

REPLACEMENT PARTS

FOR

TRIUMPH MOTORCYCLES

COMMENCING
ENGINE No.
56700

SEPTEMBER, 1954

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

TRIUMPH ENGINEERING COMPANY, LIMITED
MERIDEN WORKS, ALLESLEY
COVENTRY

Telegrams (for Spares)
"Trusty, Coventry"

Telephone
Meriden 331

PREFACE

BEFORE 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

25/6/54

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 88.**

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.

TERMS OF BUSINESS

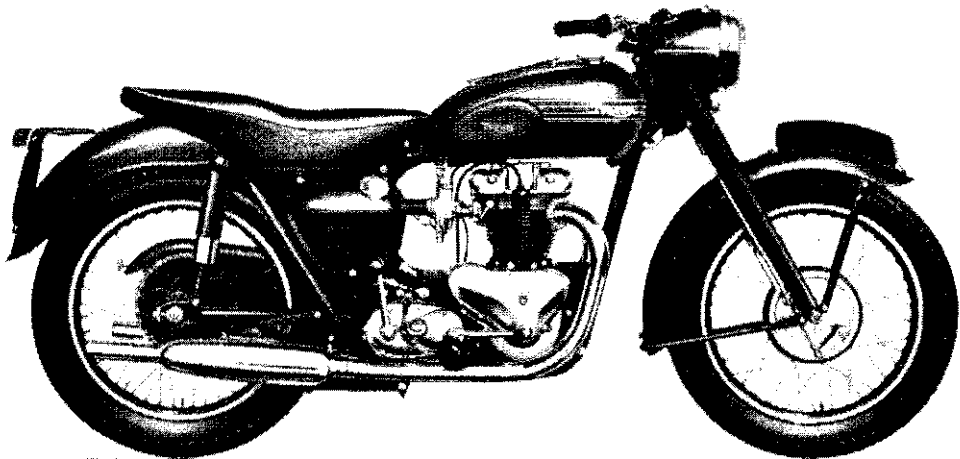
THE most convenient method of paying for Spare Parts is by the C.O.D. system. By this method you pay the postman for the goods when he delivers them to you. As the minimum C.O.D. collection fee is 10d., only goods to the value of 2/- and over can be sent by this system. We do not despatch goods by rail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

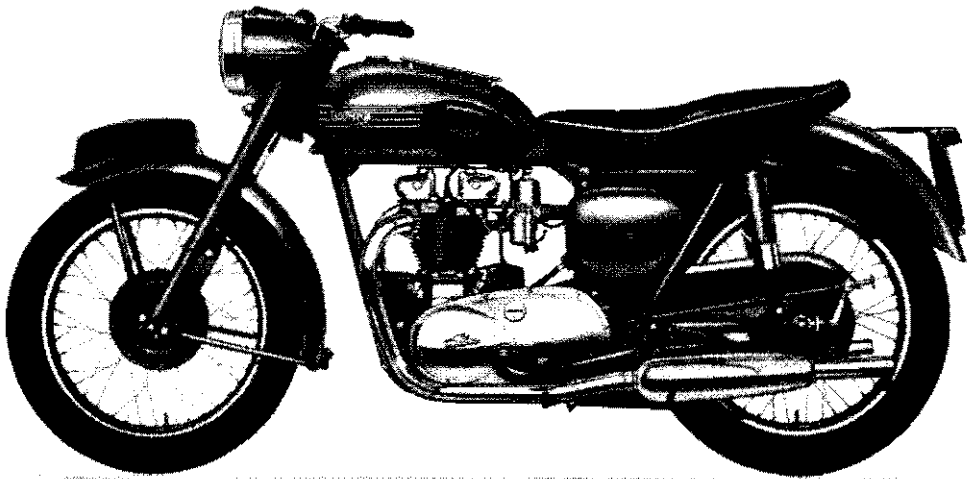
Should a remittance be forwarded by telegraphic money order, the name and address of the sender must be inserted in the space provided on the Post Office requisition form for a private message from remitter to payee. Unless this is complied with the Post Office omit such information from the telegram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

Postage, carriage and packing is charged at 2½% 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)

SPECIFICATION

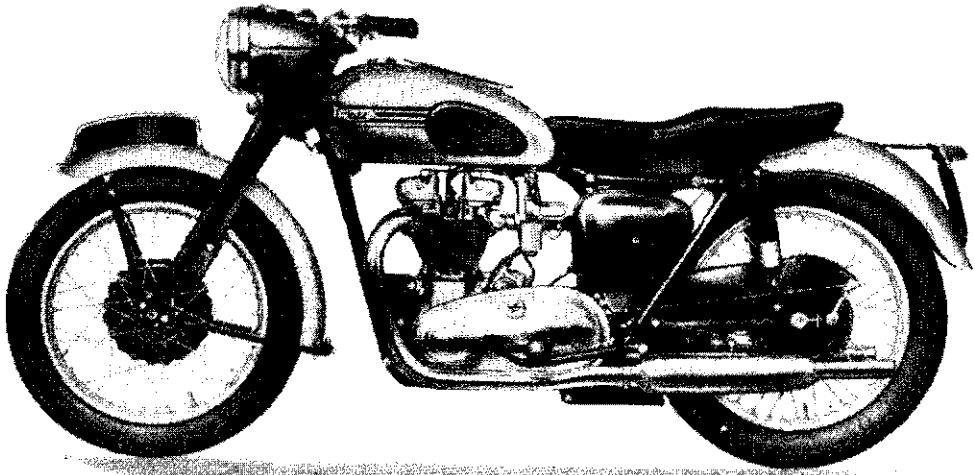
<p>Bore and stroke, mm. ... ..63×80 ins. ... 2.48×3.15</p> <p>Cylinder capacity c.c/m (cu. ins.) ... 498 (30.5)</p> <p>Compression ratio 7 : 1</p> <p>Engine sprocket 22</p> <p>Carburetter main jet (Amal) ... 200</p> <p>Carburetter pilot jet (Amal) ... 30</p> <p>Carburetter slide (Amal) ...376/3½</p> <p>Carburetter needle jet (Amal) ... .1065</p> <p>Tappet clearance, cold ins. (mm.) ... .. .010 (.26)</p>	<p>Ignition (fully retard) ins. (mm.) ... ½ (0.8) B.T.C.</p> <p>Piston ring gap Compression— ins. (mm.) ... .010-.014 (.25-.35) Scraper— ins. (mm.) ... .007-.011 (.18-.28)</p> <p>Inlet valve opens, B.T.D.C. ... 26½°</p> <p>Exhaust valve closes, A.T.D.C. ... 35½°</p> <p>Petrol tank, gallons (litres) ... 4 (18)</p> <p>Oil tank, pints (litres) ... ..6 (3.4)</p> <p>Weight lbs. (dry) (kilos)... 380 (173)</p>
---	---

THUNDERBIRD (6T)

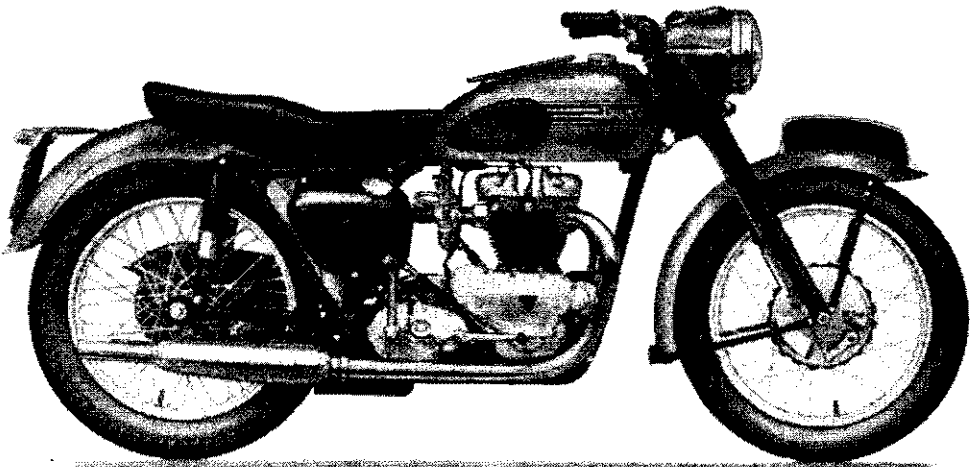
SPECIFICATION

<p>Bore and stroke, mm. ... ..71×82 ins. ... 2.79×3.23</p> <p>Cylinder capacity c.c/m (cu. ins.) ... 649 (40)</p> <p>Compression ratio 7 : 1</p> <p>Engine sprocket 24</p> <p>Carburetter (S.U.) ... Type MC2</p> <p>Jet needle M9</p> <p>Tappet clearance, cold ins. (mm.) ... .. .010 (.26)</p>	<p>Ignition (fully retard) ins. (mm.) ... ½ (0.8) B.T.C.</p> <p>Piston ring gap (Compression and Scraper) ins. (mm.) .010-.014 (.25-.35)</p> <p>Inlet valve opens, B.T.D.C. ... 26½°</p> <p>Exhaust valve closes, A.T.D.C. ... 35½°</p> <p>Petrol tank, gallons (litres) ... 4 (18)</p> <p>Oil tank, pints (litres) ... ..6 (3.4)</p> <p>Weight, lbs. (dry) (kilos) 385 (175)</p>
---	---

TIGER 100 (T100)



TIGER 110 (T110)



TIGER 100 (T100)

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) ... $376 \frac{1}{2}$</p> <p>Carburetter needle jet (Amal) ... .1065</p> <p>Tappet clearance, cold ins. (mm.) ... .010 (.26)</p>	<p>Ignition, fully advanced ins. (mm.) ... $\frac{3}{8}$ (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>Inlet valve opens, B.T.D.C. ... $26 \frac{1}{2}^\circ$</p> <p>Exhaust valve closes, A.T.D.C. ... $35 \frac{1}{2}^\circ$</p> <p>Petrol tank, gallons (litres) ... 4 (18)</p> <p>Oil tank, pints (litres) ... 6 (3.4)</p> <p>Weight lbs. (dry) (kilos) 380 (172.5)</p>
--	--

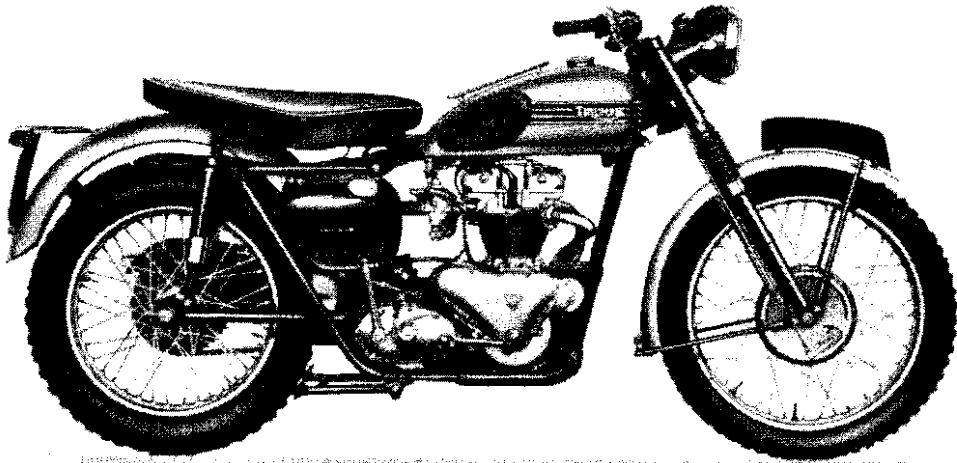
TIGER 110 (T110)

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) ... $376 \frac{1}{2}$</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.) ... $\frac{3}{8}$ (8.0) B.T.D.C.</p> <p>Piston ring gap (Compression and Scraper) ins. (mm.) .010-.014 (.25-.35)</p> <p>Inlet valve opens, B.T.D.C. ... $57 \frac{1}{2}^\circ$</p> <p>Exhaust valve closes, A.T.D.C. ... $57 \frac{1}{2}^\circ$</p> <p>Petrol tank, gallons (litres) ... 4 (18)</p> <p>Oil tank, pints (litres) ... 6 (3.4)</p> <p>Weight lbs. (dry) (kilos) 395 (179.5)</p>
---	---

*270 without air filter

TROPHY (TR5)



SPECIFICATION

Bore and stroke, mm. ...	63 × 80	Ignition, fully advanced	
ins. ...	2.48 × 3.15	ins. (mm.) ...	$\frac{3}{8}$ (9.5) B.T.D.C.
Cylinder capacity		Piston ring gap	
c.cm. (cu. ins.) ...	498 (30.5)	Compression—	
Compression ratio ...	8 : 1	ins. (mm.) ...	.010-.014 (.25-.35)
Engine sprocket ...	21	Scraper—	
Carburetter main jet (Amal) ...	220	ins. (mm.) ...	.007-.011 (.18-.28)
Carburetter pilot jet (Amal) ...	25	Inlet valve opens B.T.D.C. ...	57 $\frac{1}{2}$ °
Carburetter slide (Amal) ...	37 6/32	Exhaust valve closes A.T.D.C. ...	57 $\frac{1}{2}$ °
Carburetter needle jet (Amal) ...	.1065	Petrol tank, gallons (litres)	3 (13.5)
Tappet clearance, cold		Oil tank, pints (litres) ...	6 (3.4)
ins. (mm.) ...	.010 (.62)	Weight lbs. (dry) (kilos)	365 (165)

CARTON PACK – GROUP I

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						
Brake Lining							
CP.38	2	...	...	NW.243	...	...	Lining, brake
	16	...	...	W.129	...	...	Rivet
CP.66	2	...	...	W.631	...	...	Lining, brake
	16	...	...	W.129	...	...	Rivet
Crankcase Bearing							
CP.144	...	2	...	E.1591	...	...	Bearing ball, d/s and t/s
Fork (Telescopic) Service Pack							
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
Gears, Standard Ratio							
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
Gears, Wide Ratio							
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

GROUP I – CARTON PACK

PART No.

DESCRIPTION AND CONTENTS

Gear, Close Ratio

CP.95	...	...	1	...	...	T.1177	...	...	Mainshaft and low gear
			1	...	...	T.957	...	...	Gear, mainshaft high
			1	...	...	T.1179	...	...	Gear, mainshaft 3rd
			1	...	...	T.955	...	...	Gear, mainshaft 2nd
			1	...	...	T.959	...	...	Layshaft and high gear
			1	...	...	T.964	...	...	Gear, layshaft 3rd
			1	...	...	T.963	...	...	Gear, layshaft 2nd
			1	...	...	T.961	...	...	Gear, layshaft low
			1	...	...	T.983	...	...	Plug, speedometer drive sealing
			1	...	...	T.948	...	...	Washer, speedometer drive plug

Kickstarter Ratchet Gear

CP.27	...	...	1	...	...	T.730	...	...	Pinion, kickstarter
			1	...	...	T.731	...	...	Ratchet, kickstart
			1	...	...	T.1250/1338	...	...	Spring and sleeve
			1	...	...	T.732	...	...	Lockwasher

Pistons

CP.29	...	...	1	...	...	E.1563	...	...	Piston C.R. 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 $\pm .010$ inch C.R. 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 $\pm .020$ inch C.R. 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.29/40	...	...	1	...	...	E.1563/40	...	...	Piston $\pm .040$ inch C.R. 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.132	...	1	...	E.2671	...	Piston C.R. 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
*CP.133	...	1	...	E.2489	...	Piston C.R. 8.5 : 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
*CP.133/10	...	1	...	E.2489/10	...	Piston +.010 inch C.R. 8.5 : 1
		1	...	E.3380/10	...	Ring, first compression (Taper)
		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 inch C.R. 8.5 : 1
		1	...	E.3380/20	...	Ring, first compression (Taper)
		1	...	E.656/20	...	Ring, second compression
		1	...	GE.29/20	...	Ring, scraper
		1	...	WE.203E...	...	Pin, gudgeon
		2	...	WE.479	...	Circlip
*CP.133/40	...	1	...	E.2489/40	...	Piston +0.040 inch C.R. 8.5 : 1
		1	...	E.3380/40	...	Ring, first compression (Taper)
		1	...	E.656/40	...	Ring, second compression
		1	...	GE.29/40	...	Ring, scraper
		1	...	WE.203E...	...	Pin, gudgeon
		2	...	WE.479	...	Circlip
†CP.134	...	1	...	E.2884	...	Piston C.R. 9.5 : 1
		1	...	E.3380	...	Ring, compression first (Taper)
		1	...	E.656	...	Ring, second compression
		1	...	GE.29	...	Ring, scraper
		1	...	WE.203E...	...	Pin, gudgeon
		2	...	WE.479	...	Circlip
CP.98	...	1	...	E.2891	...	Piston C.R. 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

† Suitable for alcohol fuel only.

*Suitable for high grade fuels only.

† Suitable for Petrol-Benzole fuels only.

GROUP I - CARTON PACK

PART No.	DESCRIPTION AND CONTENTS					
CP.98/10	...	1	...	E.2891/10	...	Piston $\pm .010$ inch C.R. 7 : 1
		1	...	E.2897/10	...	Ring, first compression
		1	...	E.3049/10	...	Ring, second compression (Taper)
		1	...	E.2898/10	...	Ring, scraper
		2	...	WE.203E...	...	Pin, gudgeon
			WE.479	...	Circlip	
CP.98/20	...	1	...	E.2891/20	...	Piston $\pm .020$ inch C.R. 7 : 1
		1	...	E.2897/20	...	Ring, first compression
		1	...	E.3049/20	...	Ring, second compression (Taper)
		1	...	E.2898/20	...	Ring, scraper
		2	...	WE.203E...	...	Pin, gudgeon
			WE.479	...	Circlip	
CP.136	...	1	...	E.3000	...	Piston C.R. 8.5 : 1
		1	...	E.3381	...	Ring, first compression (Taper)
		1	...	E.2897	...	Ring, second compression
		1	...	E.2898	...	Ring, scraper
		2	...	WE.203E...	...	Pin, gudgeon
			WE.479	...	Circlip	
CP.136/10	...	1	...	E.3000/10	...	Piston ± 0.010 inch C.R. 8.5 : 1
		1	...	E.3381/10	...	Ring, first compression (Taper)
		1	...	E.2897/10	...	Ring, second compression
		1	...	E.2898/10	...	Ring, scraper
		2	...	WE.203E...	...	Pin, gudgeon
			WE.479	...	Circlip	
CP.136/20	...	1	...	E.3000/20	...	Piston ± 0.020 inch C.R. 8.5 : 1
		1	...	E.3381/20	...	Ring, first compression (Taper)
		1	...	E.2897/20	...	Ring, second compression
		1	...	E.2898/20	...	Ring, scraper
		2	...	WE.203E...	...	Pin, gudgeon
			WE.479	...	Circlip	
CP.135	...	1	...	E.3098	...	Piston C.R. 8 : 1
		1	...	E.3380	...	Ring, first compression (Taper)
		1	...	E.656	...	Ring, second compression
		1	...	GE.29	...	Ring, scraper
		2	...	WE.203E...	...	Pin, gudgeon
			WE.479	...	Circlip	
CP.135/10	...	1	...	E.3098/10	...	Piston $\pm .010$ inch C.R. 8 : 1
		1	...	E.3380/10	...	Ring, first compression (Taper)
		1	...	E.656/10	...	Ring, second compression
		1	...	GE.29/10...	...	Ring, scraper
		2	...	WE.203E...	...	Pin, gudgeon
			WE.479	...	Circlip	

CARTON PACK — GROUP I

PART No.	DESCRIPTION AND CONTENTS					
CP.135/20	...	1	...	E.3098/20	...	Piston $+0.020$ inch C.R. 8 : 1
		1	...	E.3380/20	...	Ring, first compression (Taper)
		1	...	E.656/20	...	Ring, second compression
		1	...	GE.29/20...	...	Ring, scraper
		1	...	WE.203E...	...	Pin, gudgeon
	2	...	WE.479	...	Circlip	
CP.147	...	1	...	E.3415	...	Piston C.R. 7.5 : 1
		1	...	E.3381	...	Ring, first compression (Taper)
		1	...	E.2897	...	Ring, second compression
		1	...	E.2898	...	Ring, scraper
		1	...	WE.203E...	...	Pin, gudgeon
	2	...	WE.479	...	Circlip	
CP.147/10	...	1	...	E.3415/10	...	Piston $+0.010$ " C.R. 7.5 : 1
		1	...	E.3381/10	...	Ring, first compression (Taper)
		1	...	E.2897/10	...	Ring, second compression
		1	...	E.2898/10	...	Ring, scraper
		1	...	WE.203E...	...	Pin, gudgeon
	2	...	WE.479	...	Circlip	
CP.147/20	...	1	...	E.3415/20	...	Piston $+0.020$ " C.R. 7.5 : 1
		1	...	E.3381/20	...	Ring, first compression (Taper)
		1	...	E.2897/20	...	Ring, second compression
		1	...	E.2898/20	...	Ring, scraper
		1	...	WE.203E...	...	Pin, gudgeon
	2	...	WE.479	...	Circlip	
Piston Rings						
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.99	...	2	...	E.2897	...	Ring, first compression
		2	...	E.3049	...	Ring, second compression (Taper)
		2	...	E.2898	...	Ring, scraper

GROUP I – CARTON PACK

PART No.	DESCRIPTION AND CONTENTS						
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.137	...	2	...	...	E.3380	...	Ring, first compression (Taper)
		2	...	...	E.656	...	Ring, second compression
		2	...	...	GE.29	...	Ring, scraper
CP.137/10	...	2	...	...	E.3380/10	...	Ring, first compression (Taper)
		2	...	...	E.656/10	...	Ring, second compression
		2	...	...	GE.24/10...	...	Ring, scraper
CP.137/20	...	2	...	...	E.3380/20	...	Ring, first compression (Taper)
		2	...	...	E.656/20	...	Ring, second compression
		2	...	...	GE.29/20...	...	Ring, scraper
CP.138	...	2	...	...	E.3381	...	Ring, first compression (Taper)
		2	...	...	E.2897	...	Ring, second compression
		2	...	...	E.2898	...	Ring, scraper
CP.138/10	...	2	...	...	E.3381/10	...	Ring, first compression (Taper)
		2	...	...	E.2897/10	...	Ring, second compression
		2	...	...	E.2898/10	...	Ring, scraper
CP.138/20	...	2	...	...	E.3381/20	...	Ring, first compression (Taper)
		2	...	...	E.2897/20	...	Ring, second compression
		2	...	...	E.2898/20	...	Ring, scraper

CARTON PACK – GROUP I

PART No.

DESCRIPTION AND CONTENTS

Steering Races

CP.57	...	...	1	...	...	H.437	...	...	Cup
			1	...	...	H.111	...	...	Cup
			1	...	...	H.438	...	...	Cone
			1	...	...	H.439	...	...	Cone
			22	...	...	S.70-4	...	...	Ball
			20	...	...	S.70-3	...	...	Ball

Valves

CP.6	...	...	2	...	...	E.1955	...	...	Valve, inlet
			2	...	...	E.1956	...	...	Valve, exhaust
CP.96	...	...	2	...	...	E.2903	...	...	Valve, inlet
			2	...	...	E.2904	...	...	Valve, exhaust
CP.103	...	...	2	...	...	E.2969	...	...	Valve, inlet
			2	...	...	E.1956	...	...	Valve, exhaust
CP.146	...	...	2	...	...	E.3310	...	...	Valve, inlet
			2	...	...	E.2904	...	...	Valve, exhaust

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	...	...	2	...	...	E.3001	...	...	Spring, valve inner
			2	...	...	E.3002	...	...	Spring, valve outer

ENGINE -- GROUP 2

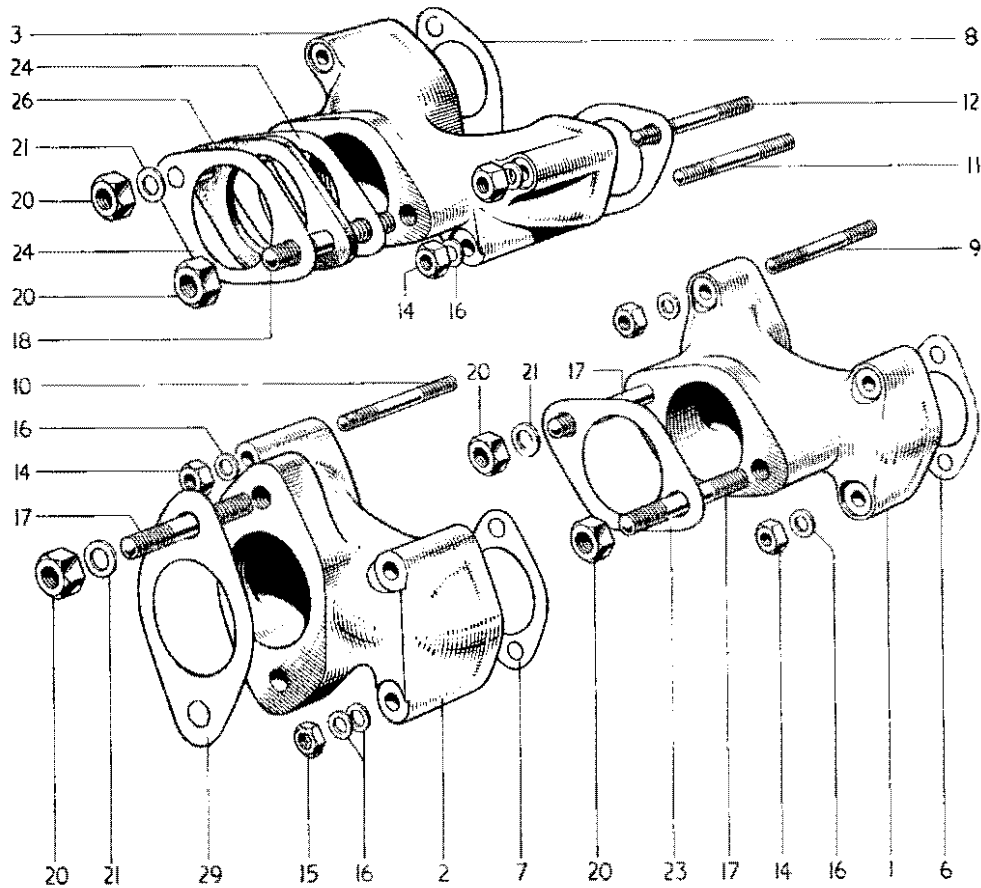


FIG. 1. INLET MANIFOLDS

INDEX

Illust. No.	Part No.	Page No.	Ref. No.	Illust. No.	Part No.	Page No.	Ref. No.
1	E1456	16	23	12	E2973	18	4
	E3304	16	26	14	W103	18	5
2	E3074	16	24	15	F879	18	6
3	E3307	16	25	16	S25-13	18	7
6	E1552	16	27	17	E1553	18	8
	E3334	16	30	18	E2962	18	9
7	E1676	16	28	20	S1-51	18	10
8	E2967	16	29	21	S25-3	18	11
9	E1554	18	1	23	NA43	91	10
10	E2920	18	2	24	NA43A	91	11
11	E2972	18	3	26	E2968	91	12
				29	E3075	92	3

GROUP 2 — ENGINE

REF. No.	PART No.	DESCRIPTION	5T	6T	TR5	T100	T110
1	E1554	Stud, inlet manifold to head ... 1 1/4" O/A ...	4	—	—	—	—
2	E2920	Stud, inlet manifold to head ... 1 1/2" O/A ...	—	4	—	—	4
3	E2972	Stud, inlet manifold to head, long 2 3/8" O/A ...	—	—	2	2	—
4	E2973	Stud, inlet manifold to head, short 1 1/8" O/A ...	—	—	2	2	—
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 3/8" O/A ...	2	2	—	—	2
9	E2962	Stud, carburetter fixing... 1 1/2" O/A ...	—	—	2	2	—
10	S1-51	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	4	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	E1563	Piston body, standard CR7 : 1 ...	2	—	—	—	—
27	E1563/10	Piston body, +.010" CR7 : 1 ...	2	—	—	—	—
28	E1563/20	Piston body, +.020" CR7 : 1 ...	2	—	—	—	—
29	E1563/40	Piston body, +.040" CR7 : 1 ...	2	—	—	—	—
30	E2891	Piston body, standard CR7 : 1 ...	—	2	—	—	—
31	E2891/10	Piston body, +.010" CR7 : 1 ...	—	2	—	—	—
32	E2891/20	Piston body, +.020" CR7 : 1 ...	—	2	—	—	—
33	E3098	Piston body, standard CR8 : 1 ...	—	—	2	2	—
34	E3098/10	Piston body, +.010" CR8 : 1 ...	—	—	2	2	—
35	E3098/20	Piston body, +.020" CR8 : 1 ...	—	—	2	2	—
36	E3000	Piston body, standard CR8.5 : 1 ...	—	—	—	—	2
37	E3000/10	Piston body, +.010" CR8.5 : 1 ...	—	—	—	—	2
38	E3000/20	Piston body, +.020" CR8.5 : 1 ...	—	—	—	—	2
39	*E3415	Piston body, standard, C.R. 7.5 : 1 ...	—	—	—	—	2
40	*E3415/10	Piston body +0.010", C.R. 7.5 : 1 ...	—	—	—	—	2
41	*E3415/20	Piston body +0.020" C.R. 7.5 : 1 ...	—	—	—	—	2
42	E656	Ring, piston compression, standard ...	2	—	2	2	—
43	E656/10	Ring, piston compression, —.010" ...	2	—	2	2	—

*Supplied for Australian market.

ENGINE — GROUP 2

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

Piston assemblies and piston ring sets are available in carton packs, see pages 10 to 14.

SPEED TWIN (5T) ENGINE

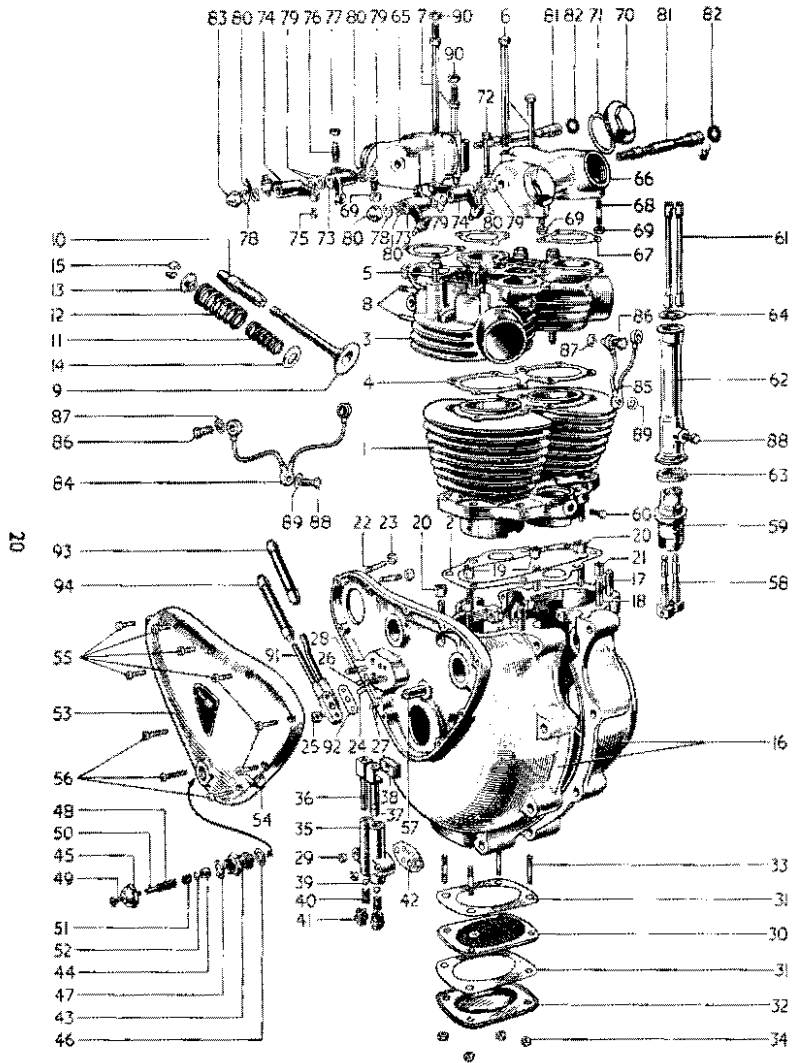


FIG. 2. CRANKCASE, CYLINDER BLOCK, CYLINDER HEAD, etc.

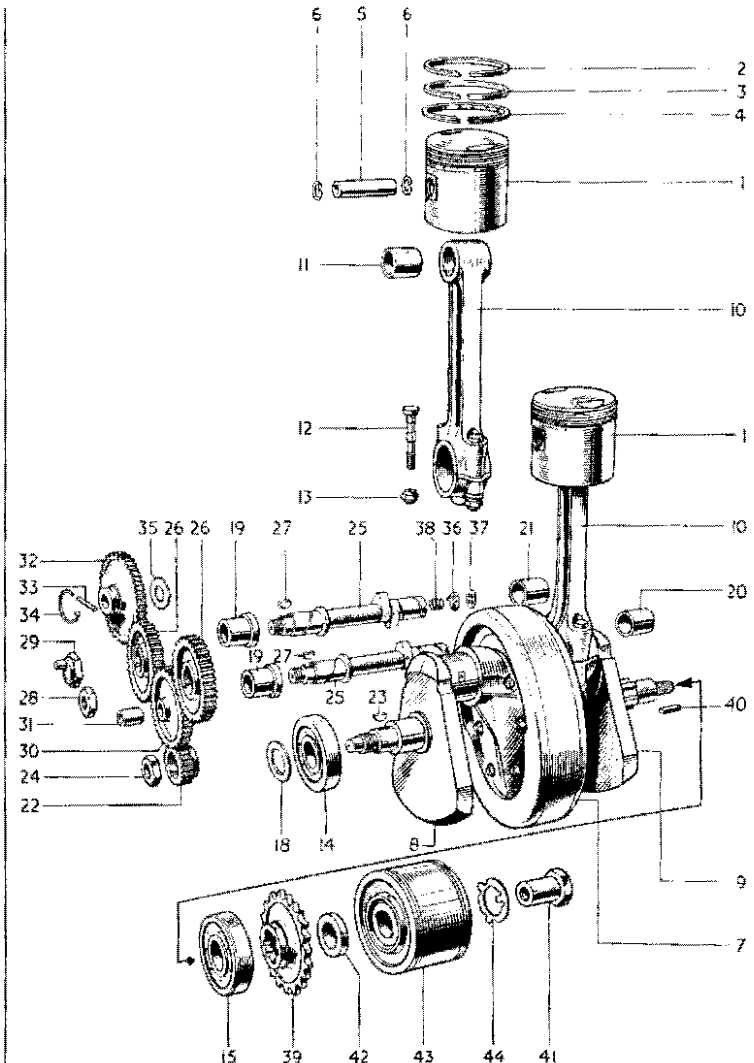


FIG. 3. CRANKSHAFT, CONNECTING RODS, PISTONS, TIMING GEAR, etc.

GROUP 2 - ENGINE

FIG. 2 INDEX

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	E2927	16	1	31	E487	29	8	63	E1496	31	14
2	E2249	16	5	32	E486	29	9	64	E3547	31	15
3	E2928	16	7	33	E1540	29	10	65	E1461T	31	16
4	E2248	16	12	34	F879	29	12	66	E1462T	31	17
5	E327	16	15	35	GS35	29	27	67	E1650	31	18
6	E1484	16	16	36	GS153	29	28	68	E1540	31	19
7	E1596	16	17	37	E1476	29	29	69	F879	31	21
8	E1554	18	1	38	E495	29	30	70	E1564	31	23
9	E1955	18	13	39	S70-7	29	31	71	E1577	31	24
	E1956	18	17	40	E403	29	32	72	E1545	31	25
10	E2899	18	19	41	E2360	29	33	73	E1457	31	28
	E2900	18	20	42	E1537	29	34	74	E1458	31	29
11	E1488	18	21	43	E2794	30	2	75	E1483	31	30
12	E1487	18	22	44	GS251	30	3	76	E1513	31	31
13	E1543	18	23	45	E2790	30	4	77	E470	31	32
14	E1544	18	24	46	E1670	30	5	78	E1330	31	33
15	WE259A	18	25	47	GS254	30	6	79	E1575	31	34
16	E2220A, 3425	28	18	48	E2788	30	7	80	E1574	32	1
17	E672	28	22	49	E2791	30	8	81	E1512	32	2
18	E3523	28	23	50	E2793	30	9	82	E3136	32	3
19	W76	28	24	51	E2789	30	10	83	E1435	32	4
20	PO172A	28	25	52	E2792	30	11	84	GS272	32	8
21	E1534A	28	30	53	E3110, 5T	30	12	85	GS273	32	9
22	E2022	28	31	54	E2615	30	24	86	E1601	32	10
23	S1-51	28	34	55	E3437	30	26	87	E1335	32	12
24	E1539	28	35	56	E3439	30	27	88	E984	32	13
25	S1-51	28	36	57	E375	30	39	89	F1880	32	14
26	E1532	28	38	58	E3059	31	6	90	S1-52	45	25
27	E1535	28	39	59	E1477	31	7	91	E3355	72	23
28	E1536	29	1	60	H200	31	9	92	E1529	72	24
29	F879	29	2	61	E1693	31	11	93	E3354	72	22
30	E529	29	7	62	E1505	31	13	94	E3353	72	21

FIG. 3 INDEX

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	E1563	18	26	19	E1479	29	15	35	I46460	30	43
2	E656	18	42	20	E1516	29	16	36	E2254	31	1
3	E3048	19	6	21	E2260	29	17	37	G587	31	2
4	GE29	19	19	22	E1472	30	28	38	E2256	31	3
5	WE203E	19	26	23	E1580	30	29	39	E3108, 22	32	16
6	WE479	19	27	24	E398	30	30	40	E3115	32	25
7	E3306	28	3	25	E3275	30	31	41	E3435	32	26
8	E3453	28	4	26	E1486A	30	33	42	E3116	32	29
9	E3329	28	7	27	E1558	30	34	*43	047510	104	1
10	E3328	28	13	28	E1492	30	35	44	465672	104	8
11	E1511	28	15	29	E1463	30	36				
12	E2490A	28	16	30	E1471	30	37				
13	E2922	28	17	31	E400	30	38				
14	E1591	29	13	32	E3123	30	40				
15	E1591	29	14	33	E3125	30	41				
18	E3300	29	19	34	E3126	30	42				

*Sold as complete unit with Stator.

ENGINE - GROUP 2

THUNDERBIRD (6T ENGINE)

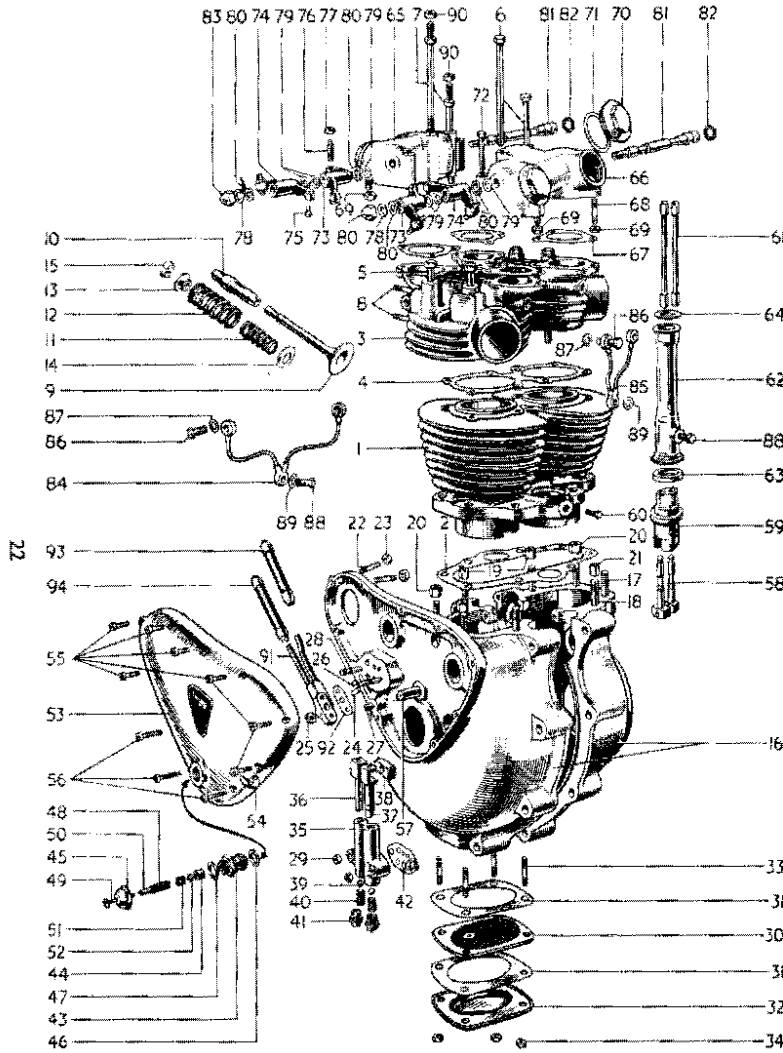


FIG. 4. CRANKCASE, CYLINDER BLOCK, CYLINDER HEAD, etc.

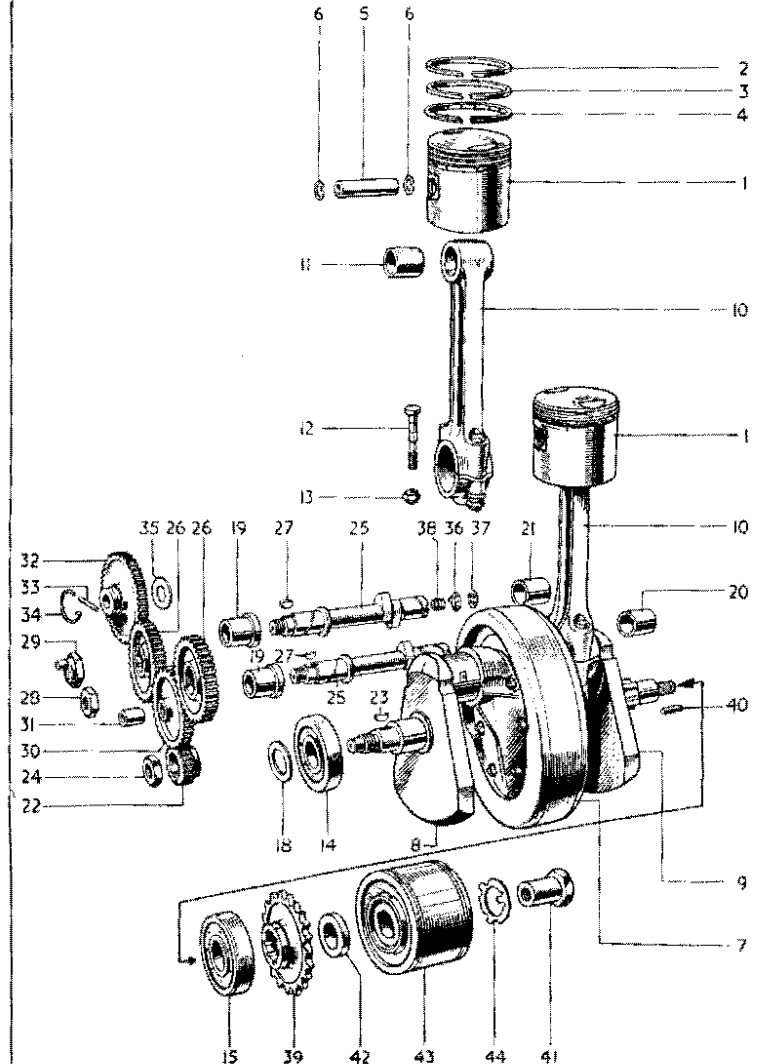


FIG. 5. CRANKSHAFT, CONNECTING RODS, PISTON TIMING GEAR, etc.

GROUP 2 - ENGINE

FIG. 4 INDEX

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	E2895	16	2	31	E487	29	8	63	E1496	31	14
2	E2894	16	6	32	E486	29	9	64	E3547	31	15
3	E2896	16	8	33	E1540	29	10	65	E1461T	31	16
4	E2905	16	13	34	F879	29	12	66	E1462T	31	17
5	E327	16	15	35	GS35	29	27	67	E1650	31	18
6	E1484	16	16	36	GS153	29	28	68	E1540	31	19
7	E1596	16	17	37	E1476	29	29	69	F879	31	21
8	E2920	18	2	38	E495	29	30	70	E1564	31	23
9	E2903	18	14	39	S70-7	29	31	71	E1577	31	24
	E2904	18	18	40	E403	29	32	72	E1545	31	25
10	E2899	18	19	41	E2360	29	33	73	E1457	31	28
	E2900	18	20	42	E1537	29	34	74	E1458	31	29
11	E1488	18	21	43	E2794	30	2	75	E1483	31	30
12	E1487	18	22	44	GS251	30	3	76	E1513	31	31
13	E1543	18	23	45	E2790	30	4	77	E470	31	32
14	E1544	18	24	46	E1670	30	5	78	E1330	31	33
15	WE259A	18	25	47	GS254	30	6	79	E1575	31	34
16	E2892/3314	28	20	48	E2788	30	7	80	E1574	32	1
17	E672	28	22	49	E2791	30	8	81	E1512	32	2
18	E1614	28	23	50	E2793	30	9	82	E3136	32	3
19	W76	28	24	51	E2789	30	10	83	E1435	32	4
20	PO172A	28	25	52	E2792	30	11	84	GS272	32	8
21	E1534A	28	30	53	E3110/6T	30	13	85	GS273	32	9
22	E2022	28	31	54	E2615	30	24	86	E1601	32	10
23	S1-51	28	34	55	E3437	30	26	87	E1335	32	12
24	E1539	28	35	56	E3439	30	27	88	E984	32	13
25	S1-51	28	36	57	E375	30	39	89	F1880	32	14
26	E1532	28	38	58	E3059	31	6	90	S1-52	45	25
27	E1535	28	39	59	E1477	31	7	91	E3355	72	23
28	E1536	29	1	60	H200	31	9	92	E1529	72	24
29	F879	29	2	61	E1693	31	11	93	E3354	72	22
30	E529	29	7	62	E1505	31	13	94	E3353	72	21

FIG. 5 INDEX

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	E2891 (7:1)	18	30	18	E3300	29	19	33	E3125	39	41
2	E2897	19	10	19	E1479	29	15	34	E3126	30	42
3	E3049	19	16	20	E1516	29	16	35	146460	30	43
4	E2898	19	23	21	E2260	29	17	36	E2254	31	1
5	WE203E	19	26	22	E1472	30	28	37	GS87	31	2
6	WE479	19	27	23	E1580	30	29	38	E2256	31	3
7	E3306	28	3	24	E398	30	30	39	E3108/24	32	18
8	E3454	28	5	25	E3275	30	31	40	E3115	32	25
9	E3330	28	8	26	E1486A	30	33	41	E3435	32	26
10	E3328	28	13	27	E1558	30	34	42	E3116	32	29
11	E1511	28	15	28	E1492	30	35	*43	047510	104	1
12	E2490A	28	16	29	E1463	30	36	44	465672	104	8
13	E2922	28	17	30	E1471	30	37				
14	E1591	29	13	31	E400	30	38				
15	E1591	29	14	32	E3123	30	40				

*Sold as complete unit with stator.

ENGINE - GROUP 2

TROPHY (TR5) AND TIGER 100 (T100) ENGINE

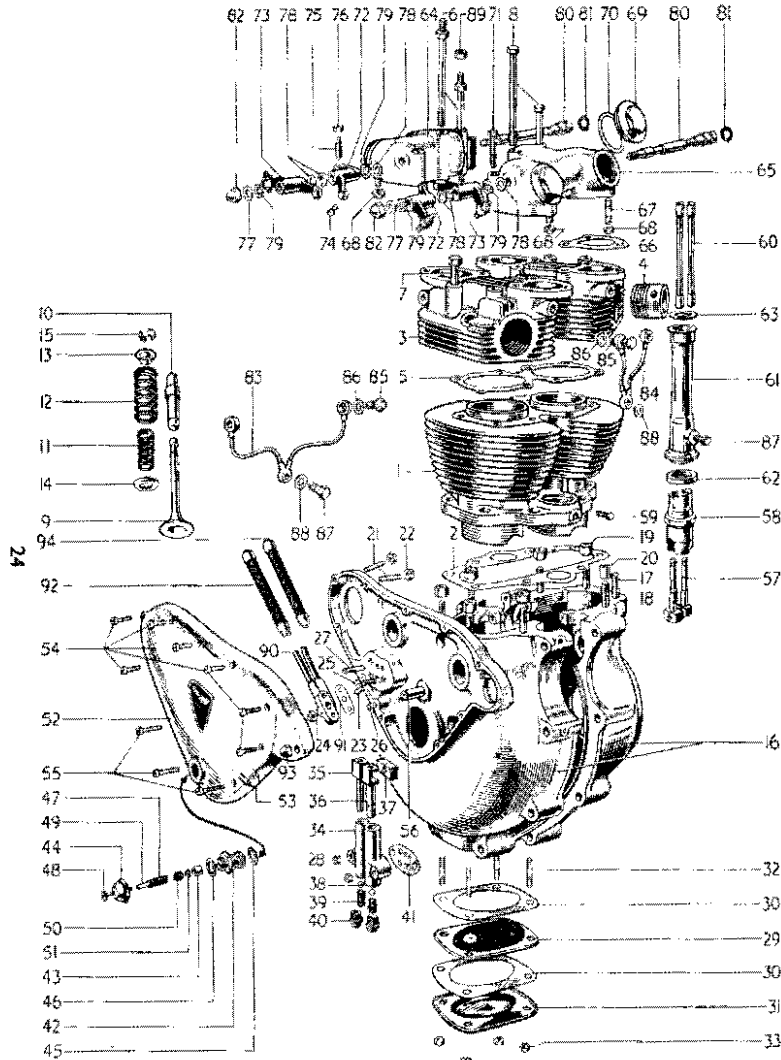


FIG. 6. CRANKCASE, CYLINDER BLOCK, CYLINDER HEAD, etc.

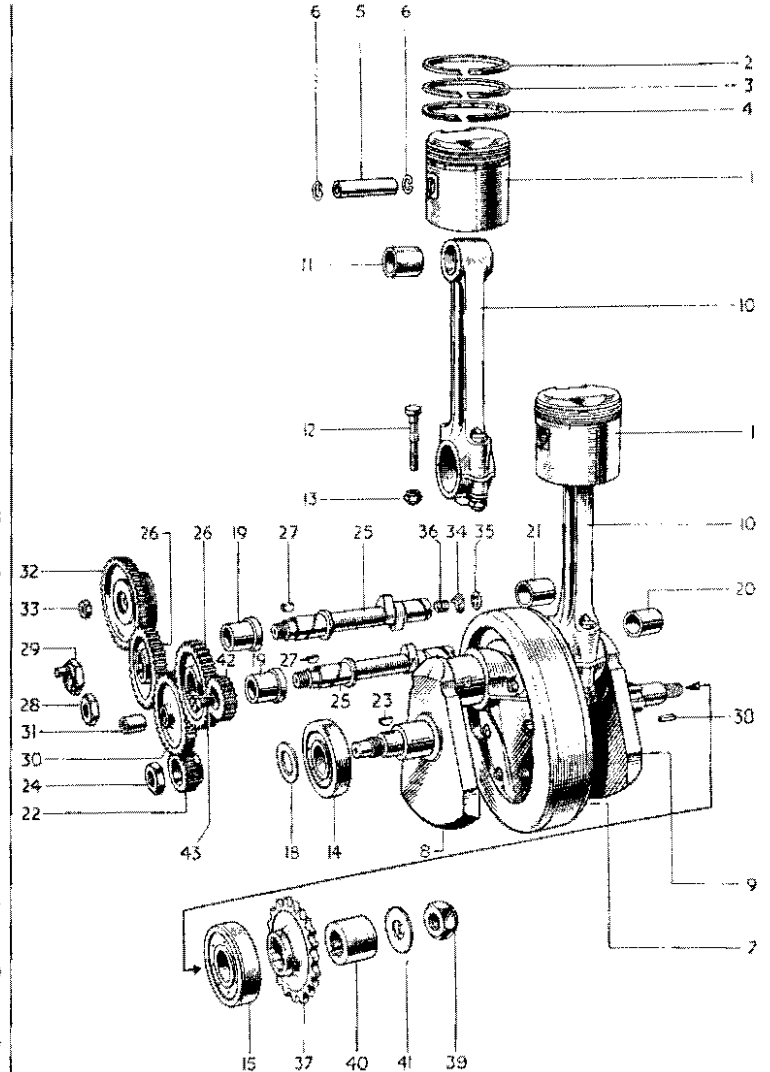


FIG. 7. CRANKSHAFT, CONNECTING RODS, PISTONS, TIMING GEARS, etc.

GROUP 2 — ENGINE

FIG. 6 INDEX

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	E2958	16	3	32	E1540	29	10	64	E1461T	31	16
2	E2249	16	5	33	F879	29	12	65	E1462T	31	17
3	E3005	16	9	34	GS35	29	27	66	E1650	31	18
4	E2961	16	11	35	GS153	29	28	67	E2980	31	20
5	E3003	16	14	36	E1476	29	29	68	F879	31	21
6	E1596A	16	18	37	E495	29	30	69	E1564	31	23
7	E2873	16	19	38	S70-7	29	31	70	E1577	31	24
8	E2874	16	20	39	E403	29	32	71	E2982	31	26
9	E2969	18	15	40	E2360	29	33	72	E1457	31	28
	E1956	18	17	41	E1537	29	34	73	E1458	31	29
10	E2899	18	19	42	E2794	30	2	74	E1483	31	30
	E2900	18	20	43	GS251	30	3	75	E1513	31	31
11	E1488	18	21	44	E2790	30	4	76	E470	31	32
12	E1487	18	22	45	E1670	30	5	77	E1330	31	33
13	E1543	18	23	46	GS254	30	6	78	E1575	31	34
14	E1544	18	24	47	E2788	30	7	79	E1574	32	1
15	WE259A	18	25	48	E2791	30	8	80	E1512	32	2
16	E2220A/3281	28	19	49	E2793	30	9	81	E3136	32	3
17	E672	28	22	50	E2789	30	10	82	E1435	32	4
18	E3523	28	23	51	E2792	30	11	83	GS272	32	8
19	E2412	28	26	52	E2218/T100	30	15	84	GS273	32	9
20	E1534A	28	30		E2218/TR5	30	14	85	E2767	32	11
21	E2022	28	31	53	E2615	30	24	86	E1335	32	12
22	F1008	28	32	54	E3437	30	26	87	E984	32	13
23	E1539	28	35	55	E3439	30	27	88	F1880	32	14
24	S1-51	28	36	56	E375	30	39	89	S1-52	45	25
25	E1532	28	38	57	E3059	31	6	90	E3355	72	23
26	E1535	28	39	58	GS36	31	8	91	E1529	72	24
27	E1536	29	1	59	H200	31	9	92	E3353	72	21
28	F879	29	2	60	E2620	31	12	93	E2228	96	24
29	E529	29	7	61	E1505	31	13	94	E3354	72	22
30	E487	29	8	62	E1496	31	14				
31	E486	29	9	63	E3547	31	15				

FIG. 7 INDEX

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	E3098 (8:1)	18	33	15	E1591	29	14	30	E1471	30	37
2	E3380	19	3	18	E3300	29	19	31	E400	30	38
3	E656	18	42	19	E1479	29	15	32	E2741	30	44
4	GE29	19	19	20	E1516	29	16	33	170104	30	45
5	WE203E	19	26	21	E2260	29	17	34	E2254	31	1
6	WE479	19	27	22	E1472	30	28	35	GS87	31	2
7	E3306	28	3	23	E1580	30	29	36	E2256	31	3
8	E3453	28	4	24	E398	30	30	37	E3108/22	31	16
9	E3329	28	7	25	E3275	30	31		E3108/28	32	19
10	E3328T	28	14		E3325	30	32	38	E3115	32	25
11	E1511	28	15	26	E1486A	30	33	39	E3120	32	27
12	E2490A	28	16	27	E1558	30	34	40	E3384	32	28
13	E2922	28	17	28	E1492	30	35	41	E3119	32	30
14	E1591	29	13	29	E1463	30	36	42	E2451	96	21
								43	111700	96	22

TIGER 110 (T110) ENGINE

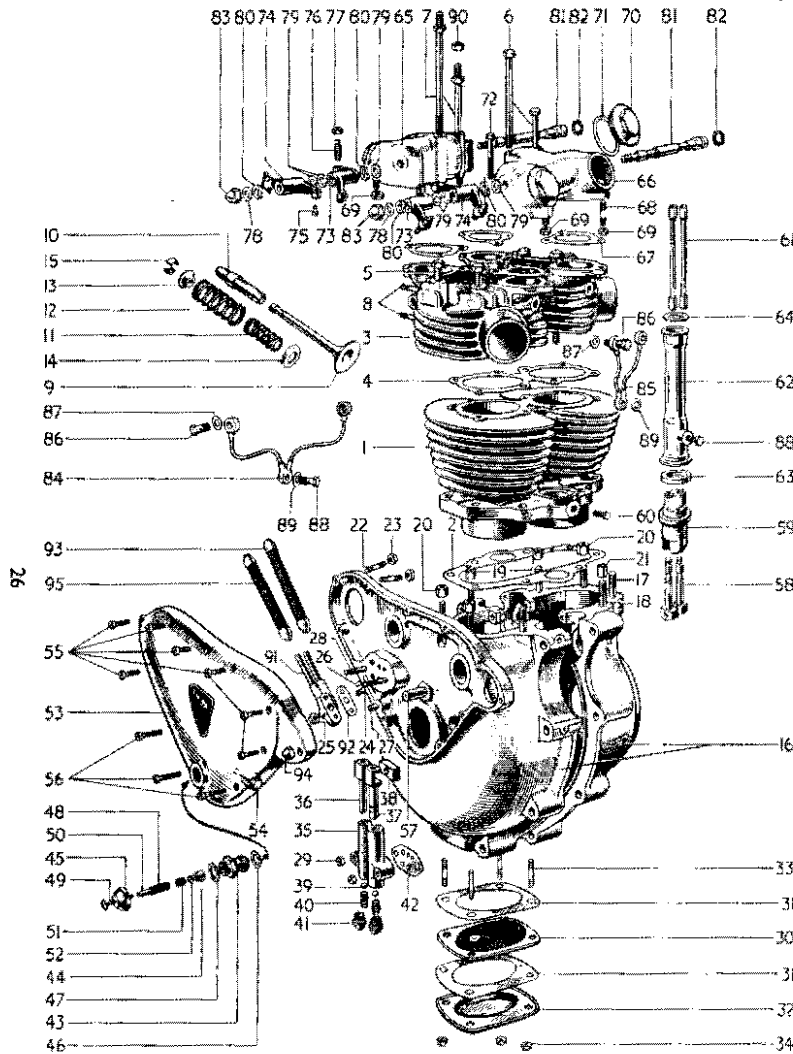


FIG. 8. CRANKCASE, CYLINDER BLOCK, CYLINDER HEAD, etc.

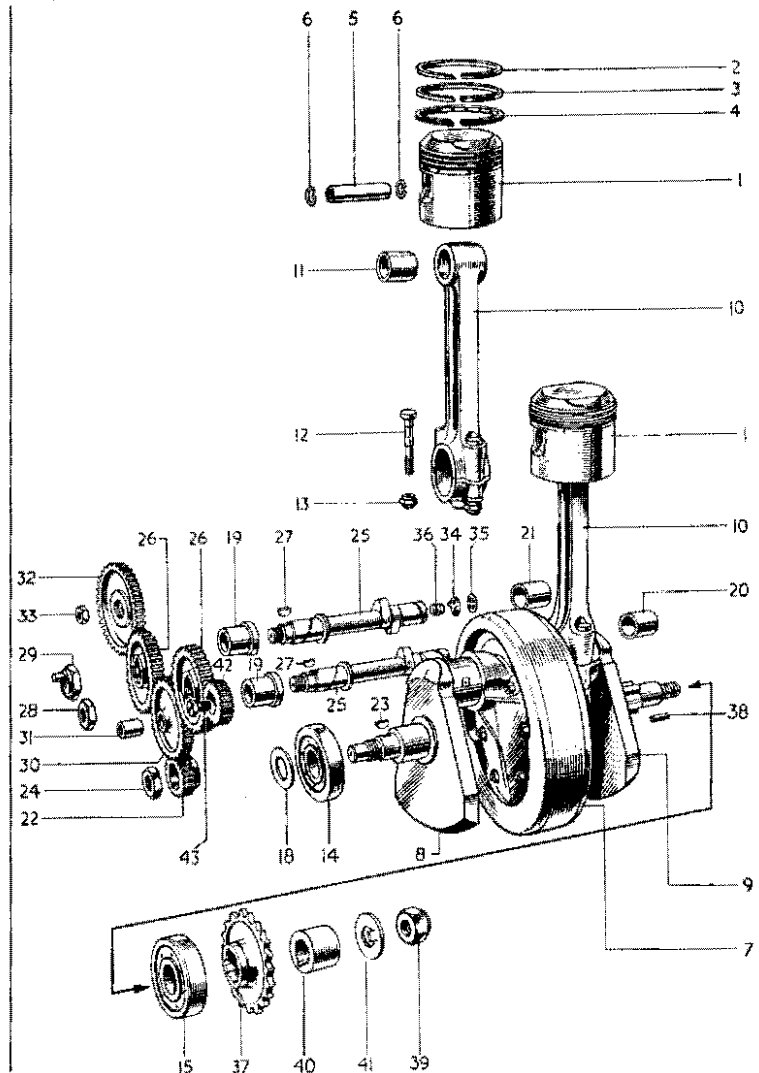


FIG. 9. CRANKSHAFT, CONNECTING RODS, PISTONS, TIMING GEARS, etc.

GROUP 2 - ENGINE

FIG. 8 INDEX

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	16	4	32	E486	29	9	65	E1461T	31	16
2	E2894	16	6	33	E1540	29	10	66	E1462T	31	17
3	E3333	16	10	34	F879	29	12	67	E1650	31	18
4	E2905	16	13	35	G535	29	27	68	E1540	31	20
5	E327	16	15	36	GS153	29	28	69	F879	31	21
6	E1484	16	16	37	E1476	29	29	70	E1564	31	23
7	E1596	16	17	38	E495	29	30	71	E1577	31	24
8	E2920	18	2	39	570-7	29	31	72	E1545	31	26
9	E3310	18	16	40	E403	29	32	73	E1457	31	28
	E2904	18	18	41	E2360	29	33	74	E1458	31	29
10	E2899	18	19	42	E1537	29	34	75	E1483	31	30
	E2900	18	20	43	E2794	30	2	76	E1513	31	31
11	E1488	18	21	44	G5251	30	3	77	E470	31	32
12	E1487	18	22	45	E2790	30	4	78	E1330	31	33
13	E1543	18	23	46	E1670	30	5	79	E1575	31	34
14	E1544	18	24	47	G5254	30	6	80	E1574	32	1
15	WE259A	18	25	48	E2788	30	7	81	E1512	32	2
16	E2892:3282	28	21	49	E2791	30	8	82	E3136	32	3
17	E672	28	22	50	E2793	30	9	83	E1435	32	4
18	E3523	28	23	51	E2789	30	10	84	G5272	32	8
19	W76	28	24	52	E2792	30	11	85	G5273	32	9
20	PO172A	28	25	53	E2218:T110	30	16	86	E1601	32	10
21	E1534A	28	30	54	E2615	30	24	87	E1335	32	12
22	E2022	28	31	55	E3437	30	26	88	E984	32	13
23	F1008	28	32	56	E3439	30	27	89	F1880	32	14
24	E1539	28	35	57	E375	30	39	90	51-52	45	25
25	51-51	28	36	58	E3059	31	6	91	E3355	72	23
26	E1532	28	38	59	E1477	31	7	92	E1529	72	24
27	E1535	28	39	60	H200	31	9	93	E3353	72	21
28	E1536	29	1	61	E1693	31	11	94	E2228	96	24
29	F879	29	2	62	E1505	31	13	95	E3354	72	22
30	E529	29	7	63	E1496	31	14				
31	E487	29	8	64	E3547	31	15				

FIG. 9 INDEX

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	E3000	18	36	15	E1591	29	14	31	E400	30	38
2	E3381	19	13	18	E3300	29	19	32	E2741	30	44
3	E2897	19	10	19	E1479	29	15	33	170104	30	45
4	E2898	19	23	20	E1516	29	16	34	E2254	31	1
5	WE203E	19	26	21	E2260	29	17	35	G587	31	2
6	WE479	19	27	22	E1472	30	28	36	E2256	31	3
7	E3306	28	3	23	E1580	30	29	37	E3108/24	32	18
8	E3454	28	5	24	E398	30	30	38	E3115	32	25
9	E3330	28	8	25	E3325	30	32	39	E3120	32	27
10	E3328T	28	14	26	E1486A	30	33	40	E3384	32	28
11	E1511	28	15	27	E1558	30	34	41	E3119	32	30
12	E2490A	28	16	28	E1492	30	35	42	E2451	96	21
13	E2922	28	17	29	E1463	30	36	43	111700	96	22
14	E1591	29	13	30	E1471	30	37				

27

ENGINE - GROUP 2

GROUP 2 — ENGINE

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

CRANKSHAFT AND FLYWHEEL ASSEMBLY

1	E3451	Crankshaft and flywheel assembly	...	...	...	1	—	1	1	—
2	E3452	Crankshaft and flywheel assembly	...	...	...	—	1	—	—	1
3	E3306	Flywheel	...	...	...	1	1	1	1	1
4	E3453	Crankshaft, timing side c/w stud	...	...	...	1	—	1	1	—
5	E3454	Crankshaft, timing side c/w stud	...	...	...	—	1	—	—	1
6	E3455	Plug, T;S crankshaft	...	...	...	1	1	1	1	1
7	E3329	Crankshaft, driving side c/w stud	...	...	...	1	—	1	1	—
8	E3330	Crankshaft, driving side c/w stud	...	...	...	—	1	—	—	1
9	E3114	Stud, driving side, crankshaft	$1 \frac{3}{16}$ " O/A	...	...	1	1	1	1	1
10	E1562	Bolt, crankshaft to flywheel	$1 \frac{3}{32}$ " U;H	...	...	6	6	6	6	6
11	W103	Nut, crankshaft to flywheel bolt	...	...	...	6	6	6	6	6
12	E3456	Oil tube, crankshafts	...	...	...	1	1	1	1	1

CONNECTING RODS

13	E3328	Rod, connecting	...	...	...	2	2	2	—	—
14	E3328T	Rod, connecting	...	...	...	—	—	—	2	2
15	E1511	Bush, connecting rod small end	...	...	...	2	2	2	2	2
16	E2490A	Bolt, connecting rod to cap	$2 \frac{29}{32}$ " U;H	...	...	4	4	4	4	4
17	E2922	Nut, connecting rod to cap bolt	...	...	...	4	4	4	4	4

CRANKCASE

18	E2220A, 3425	Crankcase assembly less main bearings	...	...	...	1	—	—	—	—
19	E2220A, 3281	Crankcase assembly less main bearings	...	...	...	—	—	1	1	—
20	E2892, 3314	Crankcase assembly less main bearings	...	...	...	—	1	—	—	—
21	E2892, 3282	Crankcase assembly less main bearings	...	...	...	—	—	—	—	1
22	E672	Stud, crankcase cylinder base	$1 \frac{1}{8}$ " O/A	...	...	6	6	6	6	6
23	E3523	Stud, crankcase cylinder base (Dowel)	$1 \frac{1}{8}$ " O/A	...	...	2	2	2	2	2
24	W76	Nut, crankcase cylinder base stud	...	...	...	4	4	—	—	4
25	PO172A	Nut, crankcase cylinder base stud	...	...	...	4	4	—	—	4
26	E2412	Nut, crankcase cylinder base stud	...	...	...	—	—	8	8	—
27	GS308	Washer, crankcase cylinder base stud	...	...	...	—	—	8	8	—
28	E1534A	Dowel, crankcase cylinder base stud (E3523)	...	...	...	2	2	2	2	2
29	E1579	Dowel, crankcase halves	...	...	...	1	1	1	1	1
30	E1534A	Dowel, crankcase halves hollow	...	...	...	1	1	1	1	1
31	E2022	Stud, magneto/distributor to crankcase	$1 \frac{5}{16}$ " O/A	...	...	3	3	3	3	3
32	F1008	Nut, magneto to crankcase stud	...	...	...	—	—	3	3	3
33	S25-3	Washer, magneto to crankcase stud	...	...	...	—	—	3	3	3
34	51-51	Nut, distributor to crankcase stud	...	...	...	3	3	—	—	—
35	E1539	Stud, oil junction block	$1 \frac{3}{8}$ " O/A	...	...	1	1	1	1	1
36	51-51	Nut, oil junction block stud	...	...	...	1	1	1	1	1
37	S23-3	Washer, oil junction block stud	...	...	...	1	1	1	1	1
38	E1532	Dowel, oil junction block	...	...	...	1	1	1	1	1
39	E1535	Dowel, crankcase to timing cover	...	...	...	1	1	1	1	1

ENGINE — GROUP 2

REF. No.	PART No.	DESCRIPTION	5T	6T	TR5	T100	T110
1	E1536	Stud, oil pump fixing 1 $\frac{1}{16}$ " O.A.	2	2	2	2	2
2	F879	Nut, oil pump fixing stud	2	2	2	2	2
3	E2312	Washer, oil pump fixing stud	2	2	2	2	2
4	E1508	Pipe, crankcase oil return	1	1	1	1	1
5	E1509	Clip, crankcase oil return pipe	1	1	1	1	1
6	E1645	Screw, crankcase oil return pipe $\frac{1}{8}$ " U.H.	1	1	1	1	1

CRANKCASE OIL FILTER

7	E529	Filter, crankcase oil	1	1	1	1	1
8	E487	Washer, crankcase oil filter joint	2	2	2	2	2
9	E486	Cover, crankcase oil filter joint	1	1	1	1	1
10	E1540	Stud, crankcase oil filter joint $\frac{3}{32}$ " O.A.	4	4	4	4	4
11	E1612	Washer, crankcase oil filter stud locking	4	4	4	4	4
12	F879	Nut, crankcase oil filter	4	4	4	4	4

CRANKCASE BEARINGS

13	E1591	Bearing, crankcase timing side (ball)	1	1	1	1	1
14	E1591	Bearing, crankcase driving side (ball)	1	1	1	1	1
15	E1479	Bush, timing side camshaft	2	2	2	2	2
16	E1516	Bush, driving side camshaft (exhaust)... ..	1	1	1	1	1
17	E2260	Bush, driving side camshaft (breather)	1	1	1	1	1
18	E2311	Pin, timing side camshaft (breather)	1	1	1	1	1
19	E3300	Clamping Washer, T:5 bearing	1	1	1	1	1

STUDS AND BOLTS FOR CRANKCASE HALVES

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

FOR ENGINE PLATE STUDS SEE PAGE 50.

OIL PUMP

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

GROUP 2 — ENGINE

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

ENGINE — GROUP 2

REF. No.	PART No.	DESCRIPTION	5T	6T	TR5	T100	T110
CRANKCASE BREATHER							
1	E2254	Valve, crankcase rotary	1	1	1	1	1
2	GS87	Disc, crankcase rotary valve	1	1	1	1	1
3	E2256	Spring, crankcase rotary valve	1	1	1	1	1
4	E2724	Pipe, crankcase breather	1	1	1	1	1
5	E3078	Extension, crankcase breather pipe (rubber)	1	1	1	1	1
TAPPETS AND TAPPET BLOCKS							
6	E3059	Tappet	4	4	4	4	4
7	E1477	Block, tappet guide	2	2	—	—	2
8	GS36	Block, tappet guide	—	—	2	2	—
9	H200	Screw, tappet guide block lock $\frac{7}{16}$ " U:H	2	2	2	2	2
10	E2312	Washer, tappet guide block lock	2	2	2	2	2
PUSH RODS							
11	E1693	Rod, push	4	4	—	—	4
12	E2620	Rod, push	—	—	4	4	—
PUSH ROD COVER TUBE							
13	E1505	Tube, push rod cover	2	2	2	2	2
14	E1496	Washer, push rod cover lower seal	2	2	2	2	2
15	E3547	Washer, push rod cover upper seal	2	2	2	2	2
OVERHEAD ROCKER GEAR							
16	E1461T	Box, inlet rocker	1	1	1	1	1
17	E1462T	Box, exhaust rocker	1	1	1	1	1
18	E1650	Gasket, rocker box joint	4	4	4	4	4
19	E1540	Stud, rocker box to cylinder head $\frac{3}{32}$ " O:A	4	4	—	—	4
20	E2980	Stud, rocker box to cylinder head $\frac{1}{8}$ " O:A	—	—	4	4	—
21	F879	Nut, rocker box to cylinder head	4	4	4	4	4
22	E3302	Washer, rocker box to cylinder head nut	—	—	4	4	—
23	E1564	Cap, rocker box inspection	4	4	4	4	4
24	E1577	Washer, rocker box inspection cap	4	4	4	4	4
25	E1545	Bolt, rocker box to cylinder head 2" U:H	4	4	—	—	4
26	E2982	Bolt, rocker box to cylinder head 2 $\frac{5}{32}$ " U:H	—	—	4	4	—
27	S2S-13	Washer, rocker box to cylinder head	4	4	4	4	4
28	E1457	Rocker, valve R.H.	2	2	2	2	2
29	E1458	Rocker, valve L.H.	2	2	2	2	2
30	E1483	Ball pin, valve rocker	4	4	4	4	4
31	E1513	Adjusting pin, valve rocker	4	4	4	4	4
32	E470	Locknut, adjusting pin	4	4	4	4	4
33	E1330	Washer, valve rocker thrust $\frac{3}{8}$ "	2	2	2	2	2
34	E1575	Washer, valve rocker thrust $\frac{1}{2}$ "	6	6	6	6	6

GROUP 2 — ENGINE
GROUP 3 — GASKET SET

REF. No.	PART No.	DESCRIPTION	5T	6T	TR5	T100	T110
1	E1574	Washer, valve rocker spring	4	4	4	4	4
2	E1512	Spindle, valve rocker	2	2	2	2	2
3	E3136	Sealing ring, rocker spindle (rubber)	2	2	2	2	2
4	E1435	Nut, valve rocker spindle (dome)	2	2	2	2	2
5	E1335	Washer, valve rocker spindle (copper)	4	4	4	4	4

ROCKER OIL FEED AND DRAIN PIPES

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

ENGINE SPROCKET

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

For 5T and 6T Alternator and lacking washer see Page 106.

GASKET SET—GROUP 3

31	GS/5T/54	Gasket set	1	—	—	—	—
32	GS/6T/54	Gasket set	—	1	—	—	—
33	GS/T100/54	Gasket set	—	—	1	1	—
34	GS/T110/54	Gasket set	—	—	—	—	1

GEARBOX — GROUP 4

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

GEARBOX—GROUP 4

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

GEARBOX CASING

7	T1201	Casing, with bushes, gearbox ...	1	1	1	1	1
8	T989	Dowel, casing to inner cover ...	2	2	2	2	2
9	E698	Stud, casing to outer cover 2 $\frac{3}{8}$ " O.A. ...	2	2	2	2	2
10	S1-S1	Nut, casing stud ...	2	2	2	2	2
11	S25-3	Washer, casing stud ...	2	2	2	2	2
12	T935	Cover, with bushes, gearbox outer ...	1	1	1	1	1
13	E3442	Screw, outer cover to casing (long) ... 3" U.H.	1	1	1	1	1
14	E3438	Screw, outer cover to casing ... 2 $\frac{3}{16}$ " U.H.	1	1	1	1	1
15	E3437	Screw, outer cover to inner cover ... 1 $\frac{1}{8}$ " U.H.	2	2	2	2	2
16	E3439	Screw, outer cover to inner cover (long) 1 $\frac{1}{8}$ " U.H.	1	1	1	1	1
17	T1217	Cover with bushes, gearbox inner ...	1	1	1	1	1
18	T323A	Stud, inner cover to outer cover ... 1 $\frac{1}{8}$ " O.A.	1	1	1	1	1
19	S1-S1	Nut, inner cover to outer cover stud ...	1	1	1	1	1
20	S25-3	Washer, inner cover to outer cover stud ...	1	1	1	1	1
21	E3436	Screw, inner cover to casing (long) ... 1 $\frac{1}{2}$ " U.H.	1	1	1	1	1
22	E3437	Screw, inner cover to casing ... 1 $\frac{1}{8}$ " U.H.	3	3	3	3	3
23	T45	Stop, kickstarter quadrant ...	1	1	1	1	1
24	E1564	Cap, gearbox oil filler ...	1	1	1	1	1
25	E1577	Washer, gear box oil filler joint ...	1	1	1	1	1
26	S46-15	Plug, gearbox drain and cover level ...	2	2	2	2	2
27	PT104B	Washer, gearbox drain and cover level ...	2	2	2	2	2

GEARBOX FITTINGS

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

GEARBOX

GROUP 4 - GEARBOX

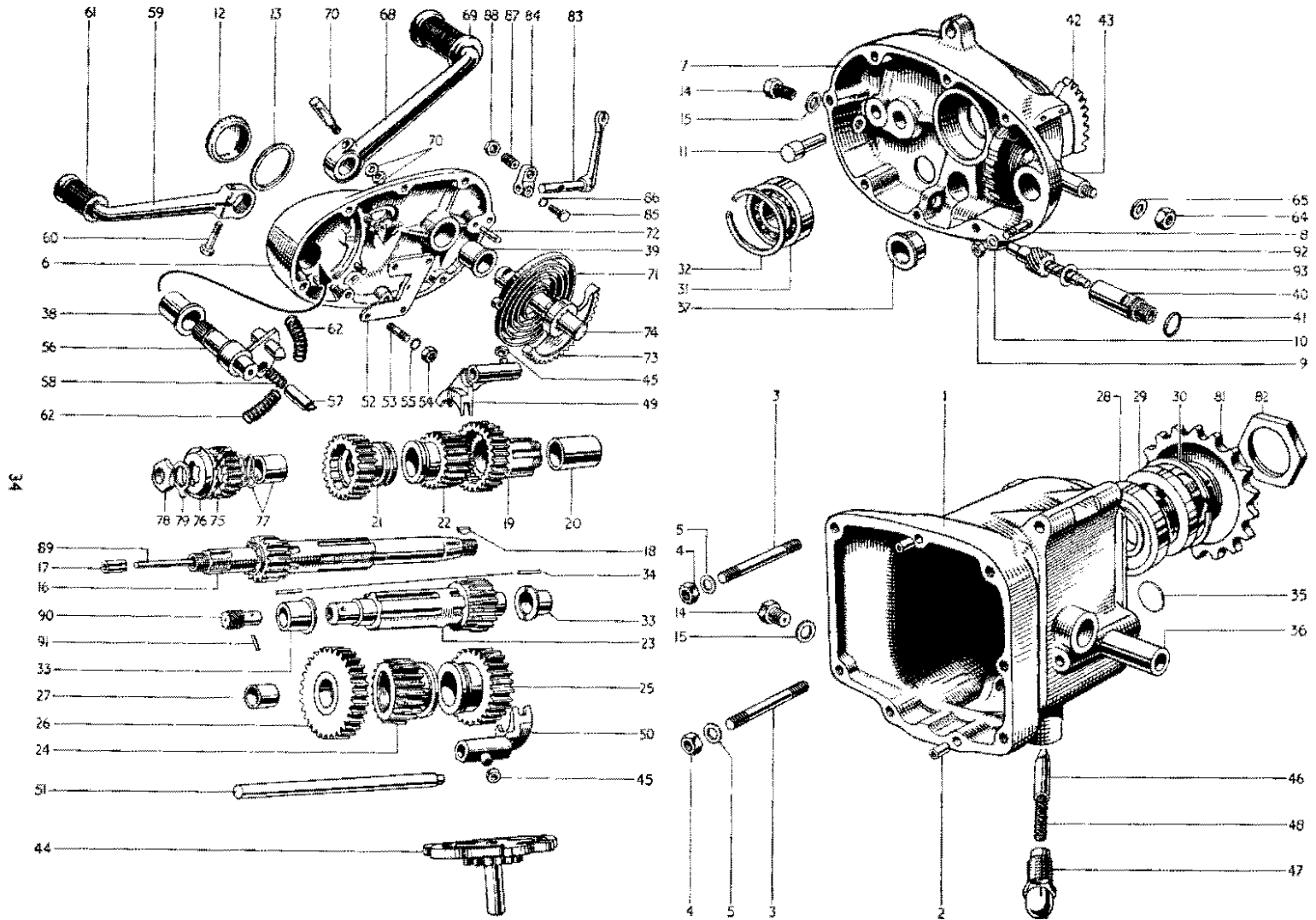


FIG. 10

FIG. 10 INDEX

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	33	7	32	T280	36	33	64	T224	37	30
2	T989	33	8	33	T911	36	34	65	S25-3	37	31
3	E698	33	9	34	T912	36	35	68	T451	37	32
4	S1-51	33	10	35	T981	36	36	69	F1814	37	39
5	S25-3	33	11	36	T341	37	1	70	S52-1	38	1
6	T935	33	12	37	T412	37	3		T1222	38	2
7	T1217	33	17	38	T57	37	4	71	T31	38	3
8	T323A	33	18	39	T23	37	5	72	T47	38	4
9	S1-51	33	19	40	T933	37	6	73	T25A	38	5
10	S25-3	33	20	41	T948	37	7	74	T24A	38	6
11	T45	33	23	42	T397	37	8	75	T730A	38	7
12	E1564	33	24	43	T399	37	9	76	T731	38	8
13	E1577	33	25	44	T500	37	10	77	T1250,1338	38	9
14	S46-15	33	26	45	NT261	37	11	78	NT297	38	10
15	PT104B	33	27	46	T44	37	12	79	T732	38	11
16	T914	36	14	47	T372	37	13	81	T471A	38	13
17	PT108B	36	15	48	T373	37	14	82	T440	38	14
18	S66-1	36	16	49	T260B	37	15	83	T487	39	1
19	T918	36	20	50	T913	37	16	84	T402	39	3
20	T920	36	21	51	T291	37	17	85	T401	39	4
21	T917	36	22	52	T407	37	18	86	E2312	39	5
22	T916	36	23	53	T454	37	19	87	T413	39	6
23	T1063	36	24	54	F879	37	20	88	T453	39	7
24	T930	36	25	55	E2312	37	21	89	T455	39	8
25	T1065	36	26	56	T408 9	37	22		T455B	39	9
26	T926	36	27	57	T406	37	23	90	T924	108	1
27	T928	36	28	58	T405	37	24	91	T925	108	3
28	T448	36	29	59	T1194	37	25	92	T934	108	4
29	T946	36	30	60	VV932	37	27	93	T825	108	6
30	E489	36	31	61	T449	37	28				
31	S35-7	36	32	62	T404	37	29				

GROUP 4 — GEARBOX

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

SHAFTS AND GEARS (STANDARD RATIO)

(See page 40 for wide and close ratio gears)

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

For speedometer drive gears see page 108.

GEARBOX SHELL BEARINGS

25	T448	Bearing, high gear	1	1	1	1	1
26	T946	Oil seal, high gear bearing	1	1	1	1	1
27	E489	Circlip, high gear bearing retaining	1	1	1	1	1
28	S35-7	Bearing, mainshaft	1	1	1	1	1
29	T280	Circlip, mainshaft bearing	1	1	1	1	1
30	T911	Bush, layshaft casing and inner cover	2	2	2	2	2
31	T912	Peg, layshaft bush	2	2	2	2	2
32	T981	Disc, layshaft bush	1	1	1	1	1

GEARBOX – GROUP 4

REF. No.	PART No.	DESCRIPTION	5T	6T	TR5	T100	T110
1	T341	Bush, gear selector camplate ... ..	|	|	|	|	|
2	E3449	Peg, gear selector camplate bush ... ..	|	|	|	|	|
3	T412	Bush, footchange spindle inner ... ..	|	|	|	|	|
4	TS7	Bush, footchange spindle outer ... ..	|	|	|	|	|
5	T23	Bush, kickstarter outer ... ..	|	|	|	|	|
6	T933	Bush, speedo gear inner cover ... ..	|	|	|	|	|
7	T948	Washer, speedo gear inner cover sealing ... ..	|	|	|	|	|

GEAR CONTROL (SELECTOR MECHANISM)

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

GEAR CONTROL (ENCLOSED FOOTCHANGE)

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

KICKSTARTER

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

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

GROUP 4 — GEARBOX

REF. No.	PART No.	DESCRIPTION	5T	6T	TR5	T100	T110
1	S52-1	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	T1033	Clutch assembly	|	—	—	—	—
16	T1034	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
23	T1041	Spider, clutch shock absorber	|	|	|	|	|
24	T1185	Rubber insert, clutch shock absorber (drive)	4	4	4	4	4
25	T1043	Rubber insert, clutch shock absorber (rebound)	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
28	T418	Hub, clutch	|	|	|	|	|
29	T394	Roller, clutch housing to hub	20	20	20	20	20
30	T414	Plate, clutch driving (corked)	4	5	5	5	5
31	NT288	Cork, clutch insert	96	120	120	120	120
32	T415	Plate, clutch driven (plain)	5	6	6	6	6
33	T429	Spring, clutch pressure	4	—	—	—	—
34	T999	Spring, clutch pressure	—	4	4	4	4
35	T423	Pin, clutch pressure spring $1\frac{13}{32}$ " U;H	4	—	—	—	—
36	T423A	Pin, clutch pressure spring $1\frac{11}{32}$ " U;H	—	4	4	4	4
37	T427	Nut, clutch pressure spring pin	4	4	4	4	4
38	T425	Cup, clutch pressure spring	4	—	—	—	—
39	T998	Cup, clutch pressure spring	—	4	4	4	4
40	T986	Plate, clutch pressure c/w button	|	|	|	|	|
41	T422	Button, clutch pressure plate	|	|	|	|	|

GEARBOX – GROUP 4

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

CLUTCH CONTROL

1	T487	Lever, clutch operating	...	...	...	...	|	|	|	|	|
2	T495	Cap, clutch operating lever rubber	...	...	...	...	|	|	|	|	|
3	T402	Arm, clutch operating lever	...	...	...	...	|	|	|	|	|
4	T401	Peg, clutch operating lever	...	...	...	...	|	|	|	|	|
5	E2312	Washer, clutch operating lever peg	...	...	...	...	|	|	|	|	|
6	T413	Pin, clutch lever adjusting	...	...	...	...	|	|	|	|	|
7	T453	Nut, clutch lever adjusting lock	...	...	...	...	|	|	|	|	|
8	T455	Rod, clutch operating	...	...	...	...	|	—	—	—	—
9	T455B	Rod, clutch operating	...	...	...	...	—	|	|	|	|

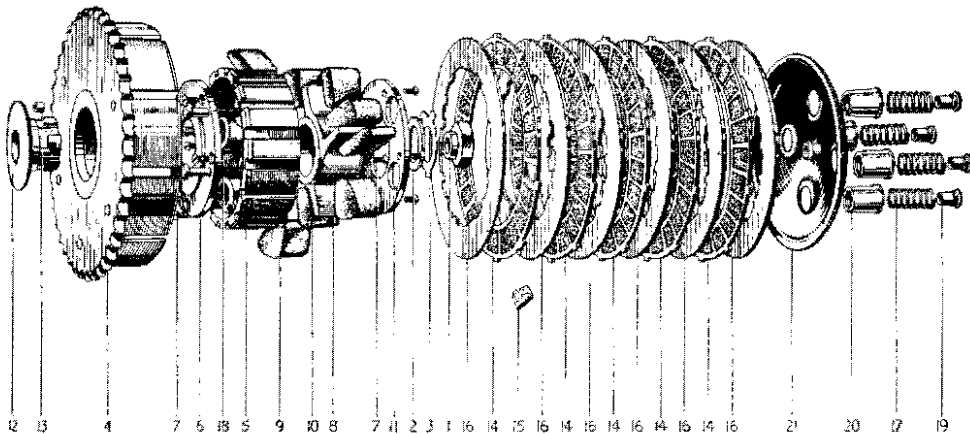


FIG. II. CLUTCH AND SHOCK ABSORBER

FIG. II INDEX

Illust. No.	Part No.	Page No.	Ref. No.	Illust. No.	Part No.	Page No.	Ref. No.
1	T1047	36	13	12	T418	38	28
2	T1045	36	14	13	T394	38	29
3	T1046	36	15	14	T414	38	30
4	T940	38	17	15	NT288	38	31
	T985	38	18	16	T415	38	32
5	T1037	38	19	17	T429	38	33
	T1038	38	20		T999	38	34
6	T1039	38	21	18	T423	38	35
7	T1040	38	22		T423A	38	36
8	T1041	38	23	19	T427	38	37
9	T1185	38	24	20	T425	38	38
10	T1043	38	25		T998	38	39
11	T1044	38	26	21	T986	38	40

ENGINE REVOLUTIONS PER MINUTE

M.P.H.	GEAR RATIO																										
	4.4	4.57	4.78	5.0	5.24	5.5	5.7	5.8	6.0	6.25	6.5	6.9	7.06	7.14	7.5	8.0	8.85	9.8	10.6	11.58	12.2	13.9	14.3	15.25	16.0	17.8	18.85
23	1144	1188	1244	1300	1364	1428	1480	1508	1560	1624	1688	1796	1836	1856	1948	2080	2300	2548	2756	3012	3172	3612	3720	3964	4160	4628	4900
25	1430	1485	1555	1625	1705	1785	1850	1885	1950	2030	2110	2245	2295	2320	2435	2600	2875	3185	3445	3765	3965	4515	4650	4955	5200	5785	6125
30	1716	1782	1866	1950	2046	2142	2220	2262	2340	2435	2532	2694	2754	2784	2922	3120	3450	3822	4134	4518	4758	5418	5655	5946	6240	6942	—
35	2002	2079	2177	2275	2387	2499	2590	2639	2730	2842	2954	3143	3213	3248	3409	3640	4025	4459	4823	5271	5551	6321	6510	6937	—	—	—
40	2288	2376	2488	2600	2728	2856	2960	3016	3120	3248	3376	3592	3672	3712	3896	4160	4600	5096	5512	6024	6344	—	—	—	—	—	—
45	2574	2673	2799	2925	3069	3213	3330	3393	3510	3554	3798	4041	4131	4176	4383	4680	5175	5733	6201	6777	7137	—	—	—	—	—	—
50	2860	2970	3110	3250	3410	3570	3700	3770	3900	4060	4220	4490	4590	4640	4870	5200	5750	6370	6890	—	—	—	—	—	—	—	—
55	3146	3267	3421	3575	3751	3927	4070	4147	4290	4466	4642	4939	5049	5104	5357	5720	6325	7007	—	—	—	—	—	—	—	—	—
60	3432	3564	3732	3900	4092	4284	4440	4524	4680	4872	5084	5388	5508	5568	5844	6240	6900	—	—	—	—	—	—	—	—	—	—
70	4004	4158	4354	4550	4774	4998	5180	5278	5460	5684	5908	6286	6428	6496	6331	6760	—	—	—	—	—	—	—	—	—	—	—
80	4576	4752	4976	5200	5456	5712	5920	6032	6240	6496	6752	7184	7344	7424	—	—	—	—	—	—	—	—	—	—	—	—	—
90	5148	5346	5598	5850	6138	6426	6660	6786	7020	7308	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
100	5720	5940	6220	6500	6820	7140	7400	7540	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
110	6292	6534	6842	7150	7502	7854	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

NOTE.—Engine R-P-M are calculated in conjunction with 3.50 × 19 Rear tyre equipment—780 R-P-Mile—and will deviate slightly from above figures for models not so equipped.
 4.00 × 18 Rear Tyre 785 R-P-Mile. 3.25 × 19 Rear Tyre 793 R-P-Mile. 4.00 × 19 Rear Tyre 756 R-P-Mile.

GEAR RATIOS

GEARS	STANDARD RATIO				WIDE RATIO				CLOSE RATIO				
	Engine Sprocket	Top	3rd	2nd	1st	Top	3rd	2nd	1st	Top	3rd	2nd	1st
17	17	6.46	7.7	10.94	15.8	6.46	9.22	14.30	18.85	6.46	7.06	8.42	11.00
18	18	6.10	7.28	10.32	14.9	6.10	8.70	13.50	17.80	6.10	6.66	7.95	10.40
19	19	5.80	6.9	9.8	14.15	5.80	8.25	12.80	16.85	5.80	6.32	7.54	9.84
20	20	5.50	6.55	9.3	13.4	5.50	7.84	12.18	16.0	5.50	6.00	7.15	9.35
21	21	5.24	6.24	8.85	12.8	5.24	7.46	11.58	15.25	5.24	5.72	6.81	8.90
22	22	5.00	5.95	8.45	12.2	5.00	7.13	11.05	14.55	5.00	5.45	6.50	8.50
23	23	4.78	5.69	8.09	11.69	4.78	6.82	10.60	13.90	4.78	5.23	6.23	8.12
24	24	4.57	5.45	7.75	11.2	4.57	6.54	10.14	13.35	4.57	5.00	5.96	7.78
25	25	4.40	5.24	7.45	10.75	4.40	6.26	9.73	12.80	4.40	4.80	5.73	7.46
Gearbox Reduction	—	1.0	1.19	1.69	2.44	1.00	1.425	2.21	2.915	1.00	1.09	1.30	1.695

RPM AND GEAR CHARTS

GROUP 8 — EXHAUST SYSTEM

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

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	E346 3	Pipe, exhaust R.H.	...	...	...	...	...	—	—	1	—	—
6	E3349	Pipe, exhaust R.H.	...	...	...	...	...	—	—	—	1	—
7	E3350	Pipe, exhaust R.H.	...	...	...	...	...	1	1	—	—	1
8	E1269	Clip, exhaust to cylinder head	...	...	...	...	...	2	2	2	2	2
9	E3469	Clip, exhaust to extension pipe	...	...	...	...	...	—	—	1	—	—
10	E409	Bolt, exhaust clip 1 5/16" U.H.	...	...	...	...	...	2	2	2	2	2
11	E410A	Washer, exhaust clip bolt	...	...	...	...	...	2	2	2	2	2
12	TE164E	Bolt, exhaust clip 1 5/16" U.H.	...	...	...	...	...	—	—	1	—	—
13	TE164C	Nut, exhaust clip bolt (D shape)	...	...	...	...	...	—	—	1	—	—
14	TE164D	Washer, exhaust clip bolt (D shape)	...	...	...	...	...	—	—	1	—	—
15	E2989	Bracket, exhaust pipe to engine plate (L.H.)	...	...	...	...	...	1	1	—	1	1
16	E2990	Bracket, exhaust pipe to engine plate (R.H.)	...	...	...	...	...	1	1	—	1	1
17	DS57	Bolt, exhaust pipe to bracket 7/16" U.H.	...	...	...	...	...	2	2	—	2	2
18	S26-2	Washer, exhaust pipe to bracket bolt	...	...	...	...	...	2	2	1	2	2
19	F879	Nut, exhaust pipe to bracket bolt	...	...	...	...	...	2	2	1	2	2
20	F1369	Bolt, exhaust pipe clip 5/8" U.H.	...	...	...	...	...	—	—	1	—	—
21	F1699	Clip, pipe to backstay	...	...	...	...	...	—	—	1	—	—

FIG. 12 INDEX

<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	E3426	42	1	17	S26-2	42	18
	E3346	42	3	18	F879	42	19
	E3347	42	4	19	E3323	44	1
2	E3462	42	2	20	E3324	44	2
3	E3349	42	6	21	E3470	44	3
	E3350	42	7	22	F3805	44	4
4	E3463	42	5	23	F1213	44	5
5	E1269	42	8	24	S1-51	44	6
6	E3469	42	9	25	S25-3	44	7
7	E410A	42	11	26	E3428	44	8
8	E409	42	10	27	F1369	44	13
9	TE164E	42	12	28	S26-2	44	14
10	TE164C	42	13	29	F879	44	15
11	TE164D	42	14	30	E3429	44	16
12	E2989	42	15		F3861	44	17
13	E2990	42	16	31	F3430	44	18
14	F1699	42	21	32	T224	44	21
15	DS57	42	17		S1-51	44	22
16	F1369	42	20	33	S26-3	44	20

EXHAUST SYSTEM - GROUP 8

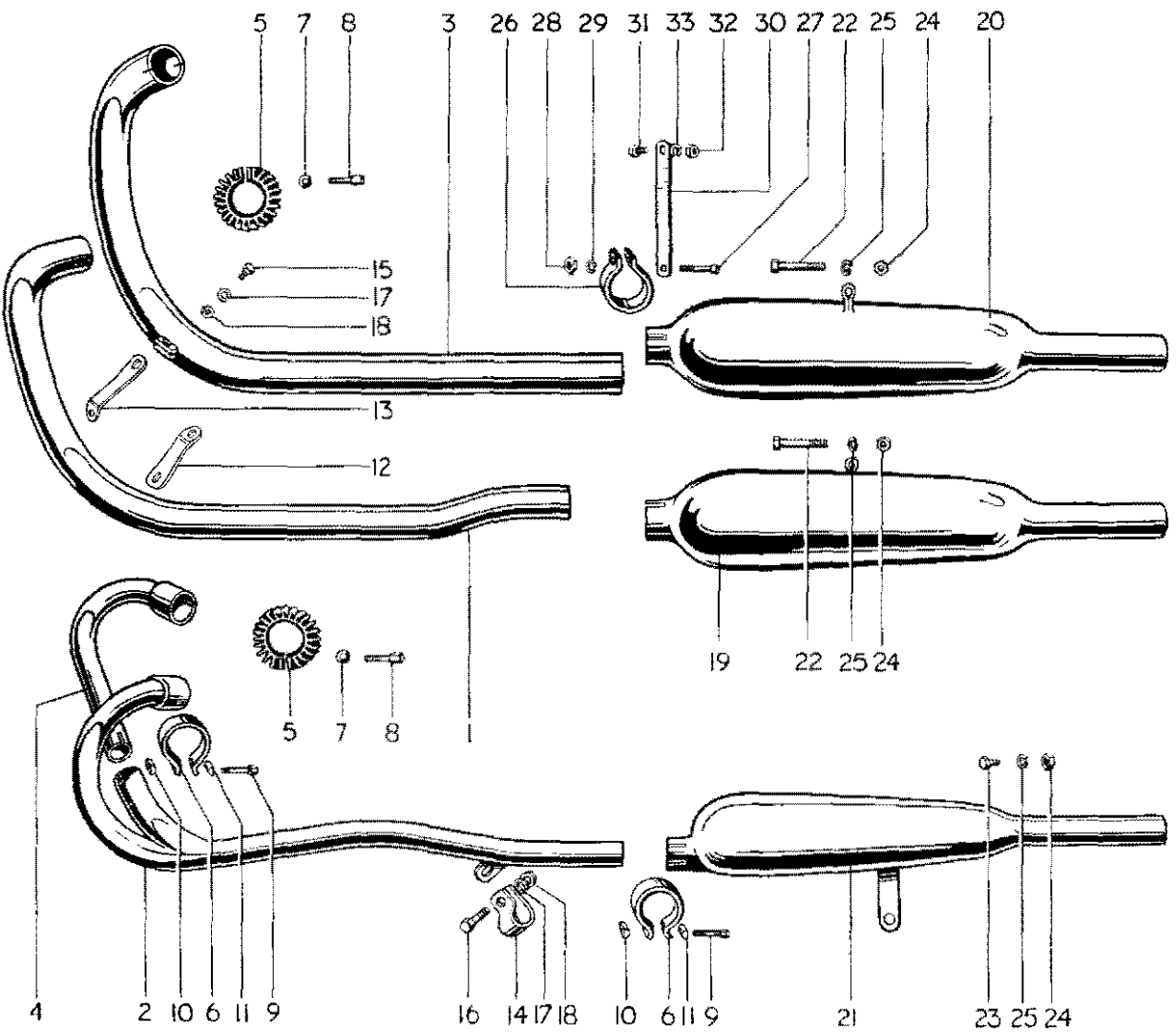


FIG. 12. EXHAUST PIPES AND SILENCERS

GROUP 8 — EXHAUST SYSTEM

GROUP 9 — FRAME

REF. No.	PART No.	DESCRIPTION	5T	6T	TR5	T100	T110
SILENCER							
1	E3323	Silencer, L.H.	1	1	—	1	1
2	E3324	Silencer, R.H.	1	1	—	1	1
3	E3470	Silencer	—	—	1	—	—
4	F3805	Bolt, silencer hanger $1\frac{1}{16}$ " U.H.	2	2	—	2	2
5	F1213	Bolt, silencer hanger $\frac{11}{16}$ " U.H.	—	—	1	—	—
6	SI-51	Nut, silencer hanger bolt	2	2	1	2	2
7	S25-3	Washer, silencer hanger bolt nut	2	2	1	2	2
8	E3428	Clip, silencer to exhaust pipe	2	2	—	2	2
9	E3469	Clip, silencer to exhaust pipe	—	—	1	—	—
10	TE164E	Bolt, silencer to exhaust pipe clip $1\frac{1}{16}$ " U.H.	—	—	1	—	—
11	TE164C	Nut, silencer to exhaust pipe clip	—	—	1	—	—
12	TE164D	Washer, silencer to exhaust pipe clip	—	—	1	—	—
13	F1369	Bolt, silencer to exhaust pipe clip $\frac{9}{16}$ " U.H.	2	2	—	2	2
14	S26-2	Washer, clip bolt nut	2	2	—	2	2
15	F879	Nut, clip bolt	2	2	—	2	2
16	*E3429	Stay, clip bolt to frame	2	2	—	2	2
17	F3861	Stay, clip bolt to frame	2	2	—	2	2
18	*F3430	Bolt, stay to frame $1\frac{1}{2}$ " U.H.	1	1	—	1	1
19	F3641	Stud, stay to frame $\frac{1}{2}$ " O.A.	1	1	—	1	1
20	S26-3	Washer, fixing nut	1	1	—	1	1
21	*T224	Nut, stay bolt	1	1	—	1	1
22	SI-51	Nut, stay stud	1	1	—	1	1

*Prior to Engine No. 64324.

FRAME—GROUP 9

FRONT PORTION

23	F3892	Frame, front portion	1	1	—	1	1
24	F3893	Frame, front portion (Export Tigers only)	—	—	1	1	1
25	F1561	Stud, seat lug to back stays $5\frac{1}{16}$ " O.A.	1	1	1	1	1
26	PO172A	Nut, seat lug to back stays stud	2	2	2	2	2
27	S26-1	Washer, seat lug to back stays stud	2	2	2	2	2
28	F1841	Support, petrol tank front	1	1	1	1	1
29	F1451	Bolt, petrol tank front support $2\frac{1}{16}$ " U.H.	1	1	1	1	1
30	SI-52	Nut, petrol tank front support	1	1	1	1	1
31	F3372	Support, petrol tank rear	1	1	1	1	1
32	F2687	Bolt, petrol tank rear support $\frac{11}{16}$ " U.H.	2	2	2	2	2
33	S26-3	Washer, petrol tank rear support	2	2	2	2	2
34	NW100	Lubricator, steering column	1	1	1	1	1

SEE FRONT FORK GROUP FOR HEAD LUG STEERING RACES PAGE 56

FRAME — GROUP 9
TORQUE STAY — GROUP 10
CRANKCASE UNDERSHIELD — GROUP 11

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

REAR PORTION

1	F3635	Frame, rear portion	1	1	1	1	1
2	F3718	Support bracket L.H. silencer	1	1	1	1	1
3	F3580	Support bracket R.H. silencer	1	1	—	1	1
4	F2603	Bolt, bracket to frame $\frac{1}{8}$ " U.H.	1	1	1	1	1
5	E1396	Stud, bracket to frame $1\frac{1}{16}$ " O.A.	2	2	—	2	2
6	SI-51	Nut, bracket to frame bolts and stud	3	3	1	3	3
7	S26-3	Washer, bracket to frame bolts and stud	3	3	1	3	3
8	KW194	Lubricator, swinging fork	1	1	1	1	1
9	WE170	Washer, lubricator	1	1	1	1	1

**When pillion footrests are fitted to TR5, read the number off as for the other models.*

SWINGING FORK

10	F3778	Swinging fork assy. c/w bushes	1	1	1	1	1
11	F3690	Bush, fork lug	2	2	2	2	2
12	F3574	Spacing Washer, R.H.	1	1	1	1	1
13	F3564	Spindle, S/Fork	1	1	1	1	1
14	F3797	Rod, cap retaining	1	1	1	1	1
15	F3798	Cap, spindle retaining	2	2	2	2	2
16	F3799	Nut, cap retaining	1	1	1	1	1
17	F3774	Stay, rear brake torque	1	1	1	1	1
18	F3780	Bolt, stay to fork $1\frac{1}{16}$ " U.H.	1	1	1	1	1
19	DS47	Nut, stay bolt	1	1	1	1	1
20	PCW73A	Washer, stay bolt nut	1	1	1	1	1

FRAME TO ENGINE TORQUE STAY—GROUP 10

21	E3308	Stay, engine to frame lug	2	2	2	2	2
22	F2603	Bolt torque stay to frame lug $\frac{1}{8}$ " U.H.	1	1	1	1	1
23	SI-51	Nut, torque stay bolt	1	1	1	1	1
24	S26-3	Washer, torque stay bolt	1	1	1	1	1
25	SI-52	Nut, torque stay to engine bolt	2	2	2	2	2
26	S26-1	Washer, torque stay to engine bolt	2	2	2	2	2

CRANKCASE UNDERSHIELD—GROUP 11

27	F3688	Undershield, crankcase	—	—	1	—	—
----	-------	-------------------------------	---	---	---	---	---

ALWAYS QUOTE COLOURS WHEN ORDERING FRAME PARTS.

GROUP 9 - FRAME

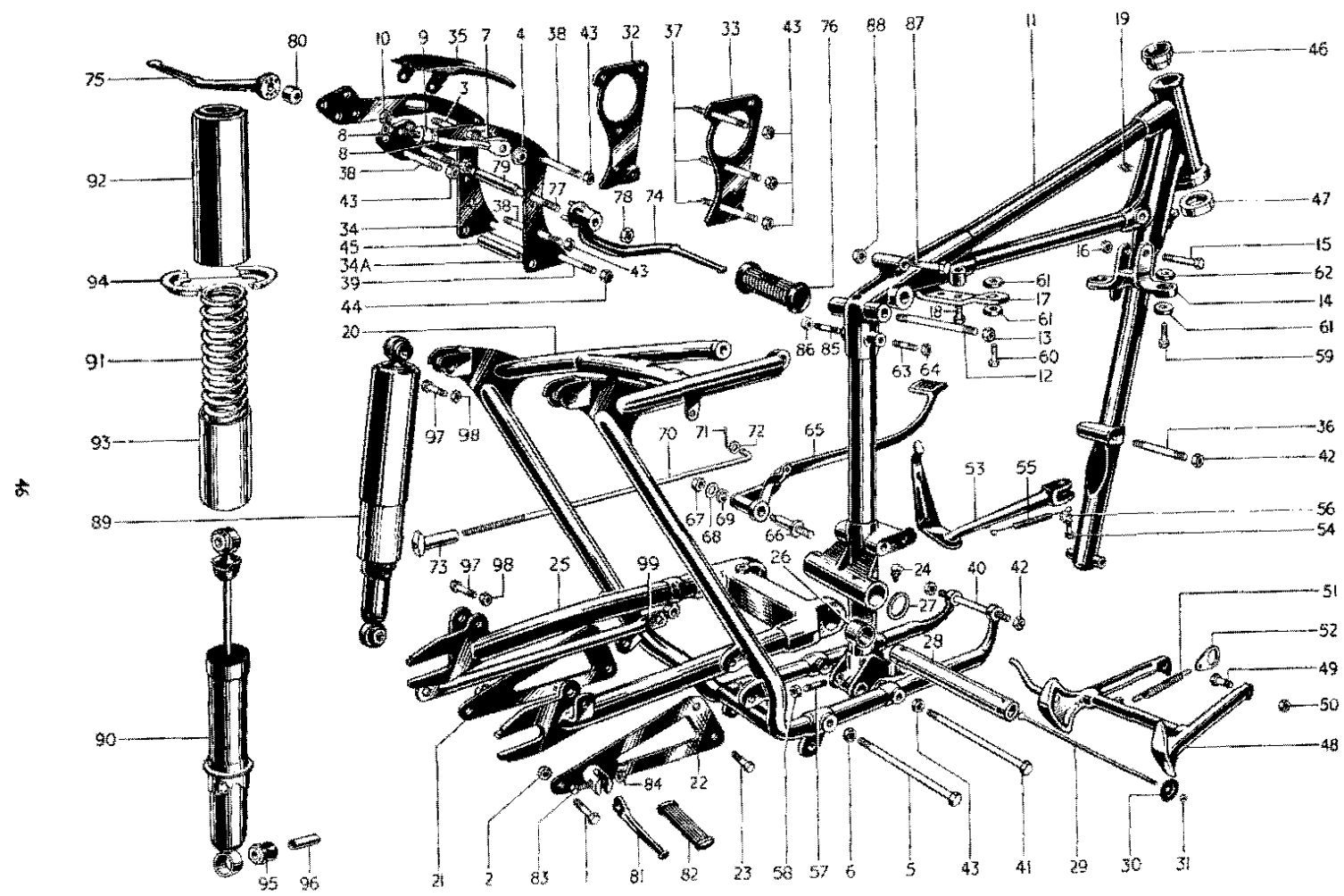


FIG. 13. FRAME

46

FIG. 13 INDEX

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	44	4	32	E2222	50	2	62	F1813	71	12
2	S1-51	44	6	33	F2647	50	3	63	F3641	72	11
3	F3769	33	28		E2223	50	4	64	F1008	72	12
4	F3772	33	31	34	F3760	50	5	65	F3595	81	1
5	F3575	36	1	34A	F3541	50	6	66	F867	81	2
6	DS47	36	2	35	F3571	50	8	67	S1-52	81	5
7	F3768	36	4	36	F2414	50	9	68	S25-2	81	6
8	S1-51	36	6	37	F1711	50	10	69	S26-16	81	7
9	F3767	36	7	38	F839	50	11	70	F3597	81	8
10	PO172A	36	9	39	F3665	50	12	71	Split Pin	81	9
11	F3892	44	23	40	F1680	50	13	72	S25-13	81	10
12	F1561	44	25	41	F3108	50	14	73	F3667	81	12
13	PO172A	44	26	42	DS47	50	15	74	F3593	81	13
14	F1841	44	28	43	PO172A	50	16	75	F987	81	14
15	F1451	44	29	44	S1-52	50	17	76	NF704	81	15
16	S1-52	44	30	45	F862	50	20	77	F3592	81	16
17	F3372	44	31	46	H437	56	26	78	DS48	81	17
18	F2687	44	32	47	H111	56	27	79	F862	81	19
19	NW100	44	34	48	F3730	51	1	80	T87	81	20
20	F3635	45	1	49	F3619	51	2	81	F1694	81	21
21	F3718	45	2	50	F2725	51	3	82	F1695	81	22
22	F3580	45	3	51	F3617	51	4	83	F2271	81	23
23	F2603	45	4	52	F3618	51	5	84	S1-51	81	24
24	KW194	45	8	53	F3723	51	6	85	F3641	82	11
25	F3778	45	10	54	F3097	51	7	86	F1008	82	12
26	F3690	45	11	55	F2610	51	8	87	E2593	107	3
27	F3574	45	12	56	F3096	51	9	88	S1-51	107	4
28	F3564	45	13	57	F3641	44	19	89 to 96	See Page 49		
29	F3797	45	14	58	S1-51	44	22	97	E2113	108	27
30	F3798	45	15	59	F1808	71	9	98	PO172A	108	29
31	F3799	45	16	60	F966	71	10	99	F3774	45	17
32	F2646	50	1	61	F967	71	11				

47

FRAME - GROUP 9

GROUP 12 – ENGINE PLATE

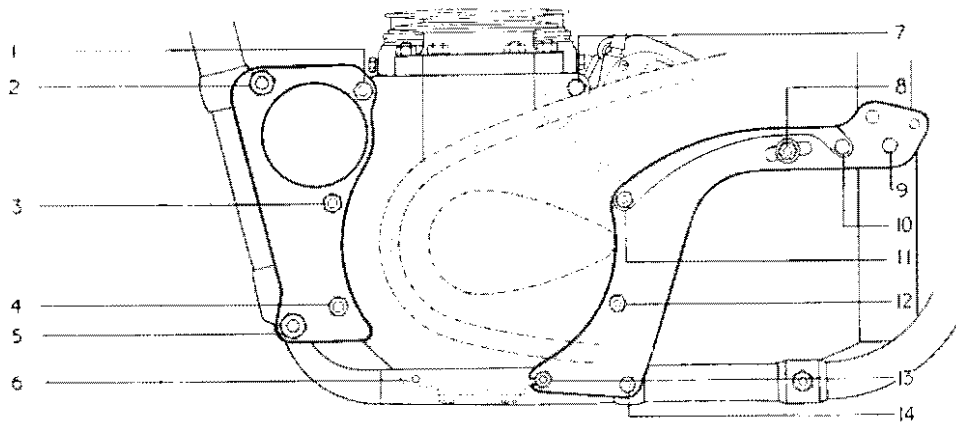


FIG. 14. ENGINE PLATE—STUDS, BOLTS, NUTS AND WASHERS

FIG. 14 INDEX

Illust. No.	Part No.	Description	Illust. No.	Part No.	Description
1, 3 and 4	F1711	Stud	8	F3769	Stud
	PO172A	Nut		F3770	Washer T.S.
	S26-1	Spring Washer		F3771	Nut D.S.
2	F2414	Stud	9, 10, 11 and 12	F3772	Nut T.S.
	DS47	Nut		F839	Stud
	PCW73A	Spring Washer		PO172A	Nut
5	F1680	Stud	13	S26-1	Spring Washer
	DS47	Nut		F3665	Stud
	PCW73A	Spring Washer		S1-S2	Nut T.S.
6	T456	Stud	14	S26-1	Spring Washer
	S1-S1	Nut		F3108	Bolt
	S25-3	Washer		PO172A	Nut
7	E1555	Bolt		S26-1	Spring Washer
	S25-3	Washer			

Part No.	Page No.	Ref. No.	Part No.	Page No.	Ref. No.	Part No.	Page No.	Ref. No.
F1711	50	10	S1-S1	29	23	F839	50	11
PO172A	50	16	S25-3	29	24	F3665	50	12
S26-1	50	19	E1555	29	20	S1-S2	50	17
F2414	50	9	S25-5	29	21	F3108	50	14
DS47	50	15	F3769	33	28			
PCW73A	50	18	F3770	29	29			
F1680	50	13	F3771	33	30			
T456	29	22	F3772	33	31			

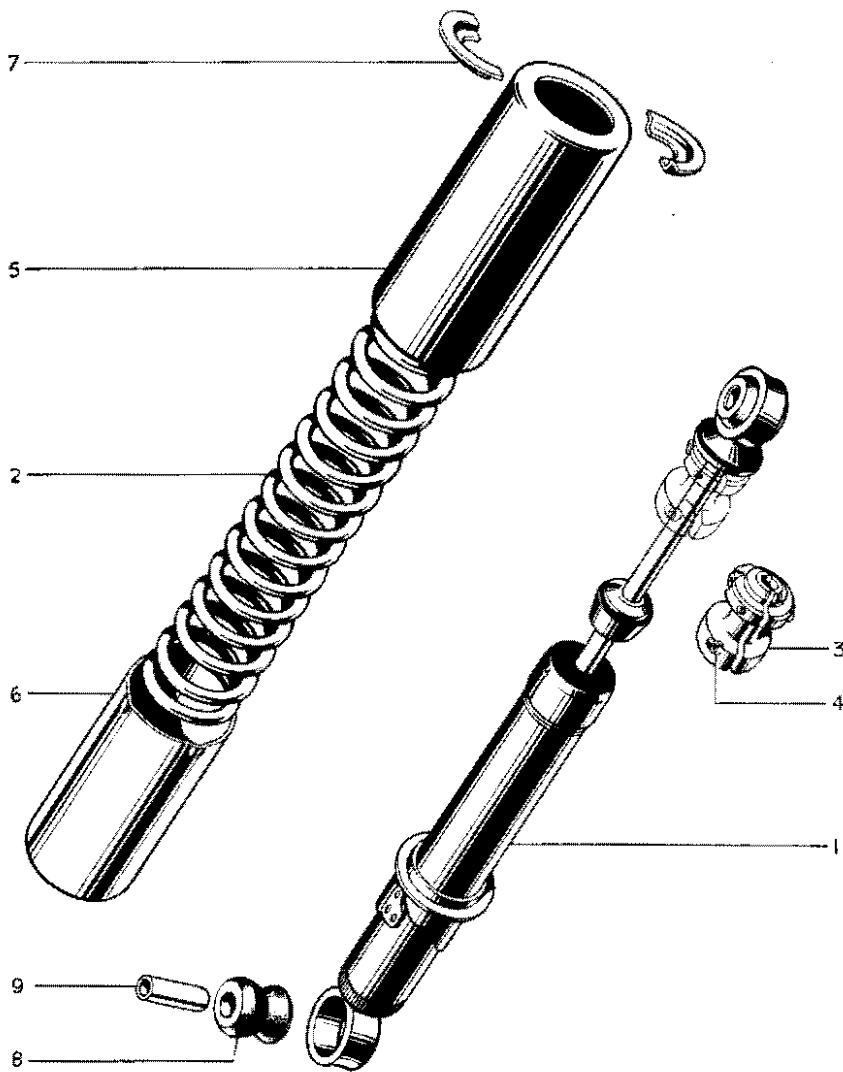


FIG. 15. GIRLING DAMPER UNITS.

FIG 15 INDEX

Illust. No.	Part No.	Page No.	Ref. No.	Illust. No.	Part No.	Page No.	Ref. No.
1	MDA4 119	108	13	3	SA193 56	108	20
	MDA4 120	108	14	4	8007.549	108	21
	MDA4 104	108	15	5	9054.46	108	22
2	SA193 57	108	16	6	9054.47	108	23
	9054 63	108	17	7	9054.43	108	24
	9054 70	108	18	8	9046.471	108	25
	9054 69	108	19	9	9046.862	108	26

GROUP 12 — ENGINE PLATE
GROUP 13 — STAND

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

ENGINE PLATE—GROUP 12

1	F2646	Plate, engine front L.H.	1	1	—	—	—
2	E2222	Plate, engine front L.H.	—	—	1	1	1
3	F2647	Plate, engine front R.H.	1	1	—	—	—
4	E2223	Plate, engine front R.H.	—	—	1	1	1
5	F3760	Plate, engine rear L.H.	1	1	1	1	1
6	F3541	Plate, engine rear R.H.	1	1	1	1	1
7	E2275	Cover, engine plate front	1	1	1	1	1
8	F3571	Cover, engine plate rear	1	1	1	1	1
9	F2414	Stud, $\frac{7}{16}$ " \times $4\frac{1}{8}$ " C.E.I.	1	1	1	1	1
10	F1711	Stud, $\frac{3}{8}$ " \times $4\frac{1}{8}$ " C.E.I.	3	3	3	3	3
11	F839	Stud, $\frac{3}{8}$ " \times $4\frac{1}{8}$ " C.E.I.	4	4	4	4	4
12	F3665	Stud, $\frac{3}{8}$ " \times $4\frac{1}{8}$ " C.E.I.	1	1	1	1	1
13	F1680	Stud, $\frac{7}{16}$ " \times $4\frac{1}{8}$ " C.E.I.	1	1	1	1	1
14	F3108	Bolt, rear engine plate to frame $7\frac{1}{2}$ " U/H ...	1	1	1	1	1
15	DS47	Nut, for F2414, F1680 Studs	4	4	4	4	4
16	PO172A	Nut, for F1023, F1711, F839 Studs and F3108 bolt ...	15	15	15	15	15
17	SI-52	Nut, for F3665 Stud	2	2	2	2	2
18	PCW73A	Washer, for F2414, F1680 Studs	4	4	4	4	4
19	S26-1	Washer, for F1711, F839 Studs and F3108 bolt ...	17	17	17	17	17
20	F862	Distance tube for F3108 bolt	1	1	1	1	1

STAND—GROUP 13

FRONT STAND

21	H412	Stand assembly, front	1	1	1	1	1
22	DSS5	Bolt, front guard to stand $\frac{3}{8}$ " U/H	1	1	1	1	1
23	SI-51	Nut, front guard to stand bolt... ..	1	1	1	1	1
24	NS362	Nut, front stand to guard spigot	1	1	1	1	1
25	H424	Screw, front stand to fork pivot $\frac{3}{8}$ " U/H ...	2	2	2	2	2
26	S25-3	Washer, pivot screw plain	2	2	2	2	2
27	H425	Washer, pivot screw spring	2	2	2	2	2

STAND — GROUP 13 TELESCOPIC FRONT FORK — GROUP 14

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

CENTRE STAND

1	F3730	Stand assembly, centre	1	1	1	1	1
2	F3619	Pivot bolt, stand to frame 1 1/8" U/H	2	2	2	2	2
3	F2725	Nut, stand to frame bolt	2	2	2	2	2
4	F3617	Spring, centre stand	1	1	1	1	1
5	F3618	Connecting link, stand spring	1	1	1	1	1

PROP STAND

6	F3723	Prop stand	1	1	1	1	1
7	F3097	Swivel pin, prop stand 1 1/4" U/H	1	1	1	1	1
8	F2610	Spring, tension	1	1	1	1	1
9	F3096	Lock washer, swivel pin	1	1	1	1	1

FRONT FORK—GROUP 14

10	H994	Fork assembly	1	—	—	—	—
11	H995	Fork assembly	—	—	—	1	1
12	H996	Fork assembly	—	1	—	—	—
13	H956	Fork assembly	—	—	1	—	—
14	H663A	Lug, fork head top	1	1	—	1	1
15	H380	Lug, fork head top c/w clips	—	—	1	—	—
16	F1760	Bolt, fork head top lug pinch 1 1/8" U/H	1	1	1	1	1
17	H379	Nut, fork head top bolt	1	1	1	1	1
18	H660	"U" bolt, handlebar clamp	2	2	—	2	2
19	S25-3	Washer, handlebar clamp	4	4	—	4	4
20	S1-51	Nut, handlebar clamp	4	4	—	4	4
21	H506	Cap, handlebar clamp	—	—	2	—	—
22	H436	Bolt, handlebar clamp cap 3/8" U/H	—	—	4	—	—
23	H942	Crown and stem, fork	1	1	1	1	1
24	H405	Nut, crown and stem sleeve	1	1	1	1	1
25	H941	Bolt, crown and stem to stanchion 2 1/4" U/H	2	2	2	2	2
26	E2412	Nut, crown and stem to stanchion	2	2	2	2	2
27	S25-2	Washer, crown and stem to stanchion	2	2	2	2	2

GROUP 14 – TELESCOPIC FRONT FORK

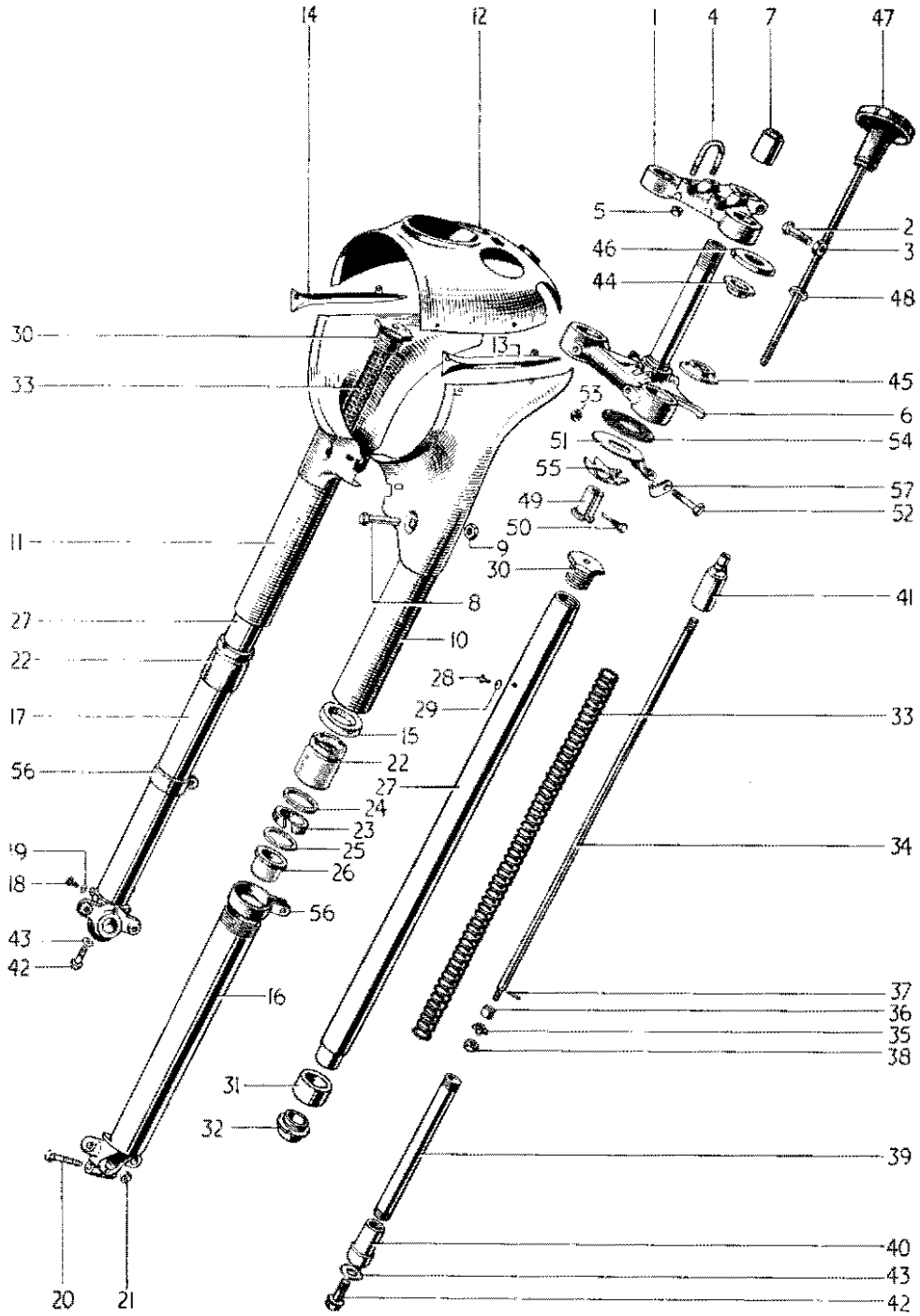


FIG. 16. TELESCOPIC FORK

TELESCOPIC FRONT FORK — GROUP 14

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

FIG. 16 INDEX

Illust. No.	Part No.	Page No.	Ref. No.	Illust. No.	Part No.	Page No.	Ref. No.
1	H663A	51	14	30	H432A	56	6
2	F1760	51	16	31	H443	56	8
3	H379	51	17	32	H444	56	9
4	H660	51	18	33	H384 (Red)	56	10
5	51-51	51	20		H505 (Blue)	56	11
6	H942	51	23	34	H399A	56	14
7	H405	51	24	35	H452	56	16
8	H941	51	25	36	H453	56	17
9	E2412	51	26	37	H454	56	18
10	H799	53	1	38	F879	56	19
11	H800	53	2	39	H394	56	20
12	H917	53	6	40	H395	56	21
	H761	53	7	41	H397	56	22
13	H623	53	13	42	H398	56	24
14	H624	53	14	43	E1335	56	25
15	H420	55	3	44	H438	56	28
16	H414	55	4	45	H439	56	29
17	H415	55	5	46	H407	56	32
18	H519	55	6	47	H536	56	33
19	H430	55	7	48	H565	56	34
20	F1760	55	8	49	H408	56	35
21	H379	55	9	50	H409	56	36
22	H390	55	10	51	H413	56	37
23	H391	55	11	52	F1718	56	38
24	H445	55	12	53	51-51	56	39
25	H431	55	13	54	H435	56	40
26	H441	56	1	55	H95	56	41
27	H382A	56	2	56	H428	68	4
28	H519A	56	4	57	F3098	107	29
29	H430	56	5				

GROUP 14 – TELESCOPIC FRONT FORK

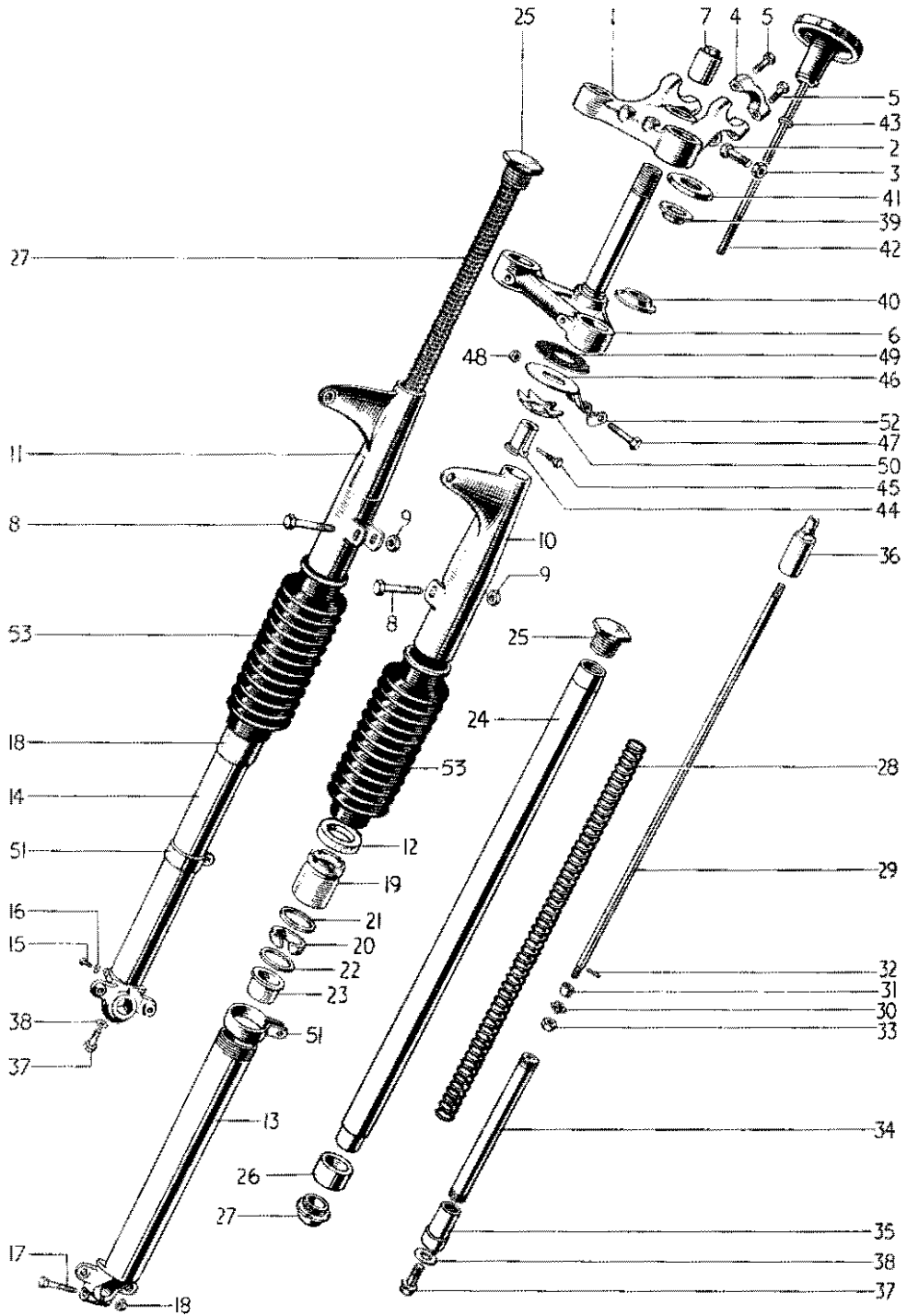


FIG. 17. TELESCOPIC FORK (TROPHY)

TELESCOPIC FRONT FORK — GROUP 14

REF. No.	PART No.	DESCRIPTION	5T	6T	TR5	T100	T110
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
4	H414	Cover, bottom tube with spindle lug L.H.	1	1	1	1	1
5	H415	Cover, bottom tube with spindle lug R.H.	1	1	1	1	1
6	H519	Plug, cover tube bottom drain $\frac{1}{2}$ " U/H	2	2	2	2	2
7	H430	Washer, cover tube bottom drain	2	2	2	2	2
8	F1760	Bolt, spindle lug pinch L.H. $1\frac{1}{8}$ " U/H	1	1	1	1	1
9	H379	Nut, spindle lug pinch L.H.	1	1	1	1	1
10	H390	Sleeve, cover tube dust excluder	2	2	2	2	2
11	H391	Washer, cover tube dust excluder felt	2	2	2	2	2
12	H445	Washer, inner—for H391	2	2	2	2	2
13	H431	Washer, outer—for H391	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	GS299	Washer, shakeproof	2	2	—	2	2
17	F3799	Nut, fixing screw	2	2	—	2	2

FIG. 17 INDEX

Illust. No.	Part No.	Page No.	Ref. No.	Illust. No.	Part No.	Page No.	Ref. No.
1	H380	51	15	28	H384	56	10
2	F1760	51	16	29	H399	56	15
3	H379	51	17	30	H452	56	16
4	H506	51	21	31	H453	56	17
5	H436	51	22	32	H454	56	18
6	H942	51	23	33	F879	56	19
7	H405	51	24	34	H394	56	20
8	H941	51	25	35	H395	56	21
9	E2412	51	26	36	H397	56	22
10	H963	53	3	37	H398	56	24
11	H964	53	4	38	E1335	56	25
12	H420	55	3	39	H438	56	28
13	H414	55	4	40	H439	56	29
14	H415	55	5	41	H407	56	32
15	H519	55	6	42	H536	56	33
16	H430	55	7	43	H565	56	34
17	F1760	55	8	44	H408	56	35
18	H379	55	9	45	H409	56	36
19	H390	55	10	46	H413	56	37
20	H391	55	11	47	F1718	56	38
21	H445	55	12	48	S1-51	56	39
22	H431	55	13	49	H435	56	40
23	H441	56	1	50	H95	56	41
24	H382	56	3	51	H428	68	4
25	H432	56	7	52	F3098	107	29
26	H443	56	8	53	H962	53	5
27	H444	56	9				

GROUP 14 — TELESCOPIC FRONT FORK

REF. No.	PART No.	DESCRIPTION	ST	6T	TR5	T100	T110
1	H441	Bearing, bottom cover tube	2	2	2	2	2
2	H382A	Stanchion	2	2	—	2	2
3	H382	Stanchion	—	—	2	—	—
4	H519A	Plug, stanchion oil filler $\frac{3}{16}$ " U.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	—	—
8	H443	Bearing, stanchion lower	2	2	2	2	2
9	H444	Nut, stanchion hydraulic stop	2	2	2	2	2
10	H384	Spring, main (identification RED)	2	2	2	2	2
11	H505	Spring, main (identification BLUE) Sidecar	A	A	A	A	A
12	H521A	Pressure tube assembly	2	2	—	2	2
13	H521	Pressure tube assembly	—	—	2	—	—
14	H399A	Rod, oil pressure	2	2	—	2	2
15	H399	Rod, oil pressure	—	—	2	—	—
16	H452	Restrictor, oil	2	2	2	2	2
17	H453	Cup, oil restrictor rod	2	2	2	2	2
18	H454	Pin, oil restrictor rod cup	2	2	2	2	2
19	F879	Nut, oil restrictor rod	2	2	2	2	2
20	H394	Tube pressure	2	2	2	2	2
21	H395	Body, pressure tube valve	2	2	2	2	2
22	H397	Sleeve, pressure tube support	2	2	2	2	2
23	H500	Pin, valve body	2	2	2	2	2
24	H398	Bolt, valve body to lug $\frac{3}{16}$ " U.H	2	2	2	2	2
25	E1335	Washer, valve body to lug bolt	2	2	2	2	2

STEERING CUPS, CONES AND BALLS

26	H437	Cup, frame lug, top	1	1	1	1	1
27	H111	Cup, frame lug bottom	1	1	1	1	1
28	H438	Cone, head lug, top	1	1	1	1	1
29	H439	Cone, crown and stem, bottom	1	1	1	1	1
30	S70-4	Ball, top race $\frac{3}{16}$ "	22	22	22	22	22
31	S70-3	Ball, bottom race $\frac{1}{4}$ "	20	20	20	20	20
32	H407	Cover, top cone dust	1	1	1	1	1

STEERING DAMPER

33	H536	Knob, c/w rod	1	1	1	1	1
34	H565	Washer, damper knob abutment	1	1	1	1	1
35	H408	Sleeve, damper adjusting	1	1	1	1	1
36	H409	Pin, sleeve securing	1	1	1	1	1
37	H413	Plate, damper anchor	1	1	1	1	1
38	F1718	Bolt, damper anchor plate $1\frac{3}{16}$ " U.H	1	1	1	1	1
39	SI-51	Nut, damper anchor plate	1	1	1	1	1
40	H435	Disc, damper anchor plate friction	1	1	1	1	1
41	H95	Plate, damper anchor plate spring	1	1	1	1	1

FRONT WHEEL — GROUP 15

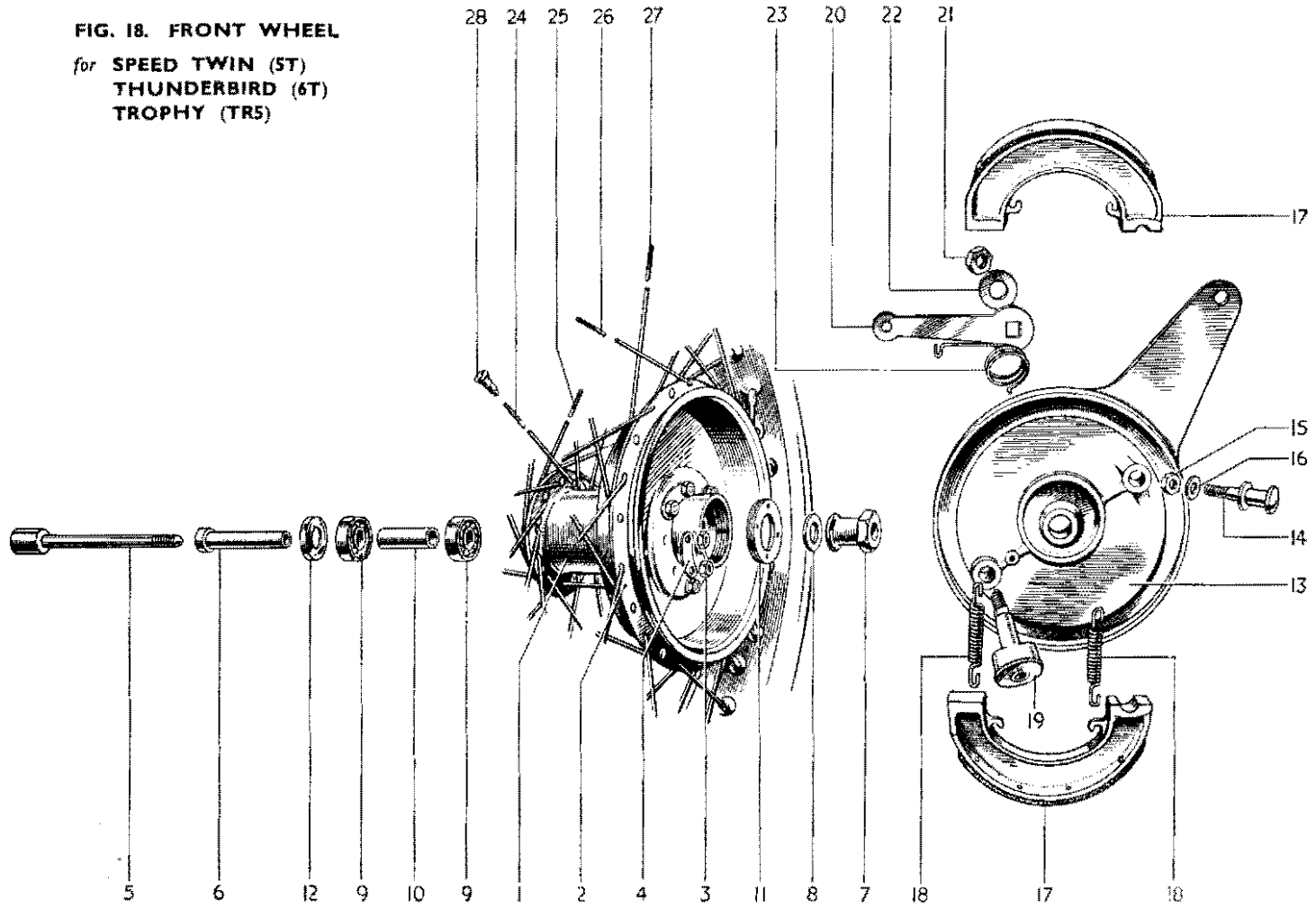
REF. No.	PART No.	DESCRIPTION	5T	6T	TR5	T100	T110
FRONT WHEEL—GROUP 15							
1	W937	Wheel, front complete	1	1	—	—	—
2	W944	Wheel, front complete	—	—	1	—	—
3	W1162	Wheel, front complete	—	—	—	1	1
4	W938	Wheel, front less internal and brake fittings	1	1	—	—	—
5	W945	Wheel, front less internal and brake fittings	—	—	1	—	—
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	—	—
9	*W660	Spoke, long 8 $\frac{1}{2}$ " × 10G—88° L.H.	10	10	—	10	10
10	*W661	Spoke, long 8 $\frac{1}{2}$ " × 10G—90° L.H.	10	10	—	10	10
11	*W354	Spoke long, 9 $\frac{1}{2}$ " × 10G—78° L.H.	—	—	10	—	—
12	*W354X	Spoke, long 9 $\frac{1}{2}$ " × 10G—99° L.H.	—	—	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	—	—
18	*W943	Spoke, short 7 $\frac{1}{8}$ " × 10G—96° R.H.	—	—	10	—	—
19	S79-2	Nipple, spoke	40	40	40	40	40
20	W573A	Hub	1	1	1	1	1
21	W940	Drum, brake	1	1	1	—	—
22	W1165	Drum, brake	—	—	—	1	1
23	W62	Bolt, brake drum to hub $\frac{1}{8}$ " U.H.	8	8	8	8	8
24	SI-51	Nut, brake drum to hub	8	8	8	8	8
25	W63	Lockplate, drum nut	4	4	4	4	4
26	W578	Spindle, front wheel hub	1	1	1	1	1
27	W761	Sleeve and collar, spindle	1	1	1	1	1
28	W544	Nut, spindle	1	1	1	1	1
29	W545	Washer, spindle nut	1	1	1	1	1
30	W653	Bearing, front wheel hub	2	2	2	2	2
31	W581	Distance piece, bearing	1	1	1	1	1
32	W582	Ring nut, bearing retaining	1	1	1	1	1
33	W583	Cap, bearing dust	1	1	1	1	1
34	WM1	Bolt, tyre security	—	—	1	—	—

*Supplied complete with nipple (S79-2).

FRONT WHEEL BRAKE

35	W585	Plate, front brake anchor	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	—	—
41	W758	Pin, front brake shoe fulcrum	—	—	—	1	1
42	PO172A	Nut, fulcrum pin	1	1	1	1	1
43	E2288	Washer, fulcrum pin	1	1	1	1	1

FIG. 18. FRONT WHEEL
for SPEED TWIN (5T)
THUNDERBIRD (6T)
TROPHY (TR5)



58

FRONT WHEEL – GROUP 15

REF. No.	PART No.	DESCRIPTION	5T	6T	TR5	T100	T110
1	W93	Shoe, brake c/w lining	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	—	—
5	W631	Lining, brake shoe	—	—	—	2	2
6	W129	Rivets, brake shoe lining	16	16	16	16	16
7	W135	Spring, brake shoe return	2	2	2	2	2
8	W386A	Cam, brake operating	1	1	1	—	—
9	W780	Cam, brake operating	—	—	—	1	1
10	W589	Lever, brake cam	1	1	1	1	1
11	S1-52	Nut, brake cam lever	1	1	1	1	1
12	S25-6	Washer, brake cam lever	1	1	1	1	1
13	W592	Spring, brake cam lever return	1	1	1	1	1
14	WF32	Pin, brake cam lever pivot	1	1	1	1	1
15		$\frac{1}{8}$ " \times $\frac{1}{2}$ " Split pin, pivot pin	1	1	1	1	1

FIG. 18 INDEX

Illust. No.	Part No.	Page No.	Ref. No.	Illust. No.	Part No.	Page No.	Ref. No.
1	W537A	57	20	17	W93	59	1
2	W940	57	21	18	W135	59	7
3	S1-51	57	24	19	W386A	59	8
4	W63	57	25	20	W589	59	10
5	W578	57	26	21	S1-52	59	11
6	W761	57	27	22	S25-6	59	12
7	W544	57	28	23	W592	59	13
8	W545	57	29	24	W661	57	10
9	W653	57	30		W354X	57	12
10	W581	57	31	25	W660	57	9
11	W582	57	32		W354	57	11
12	W583	57	33	26	W933	57	13
13	W585	57	35		W942	57	17
14	W588	57	40	27	W934	57	14
15	PO172A	57	42		W943	57	18
16	E2288	57	43	28	S79-2	57	19

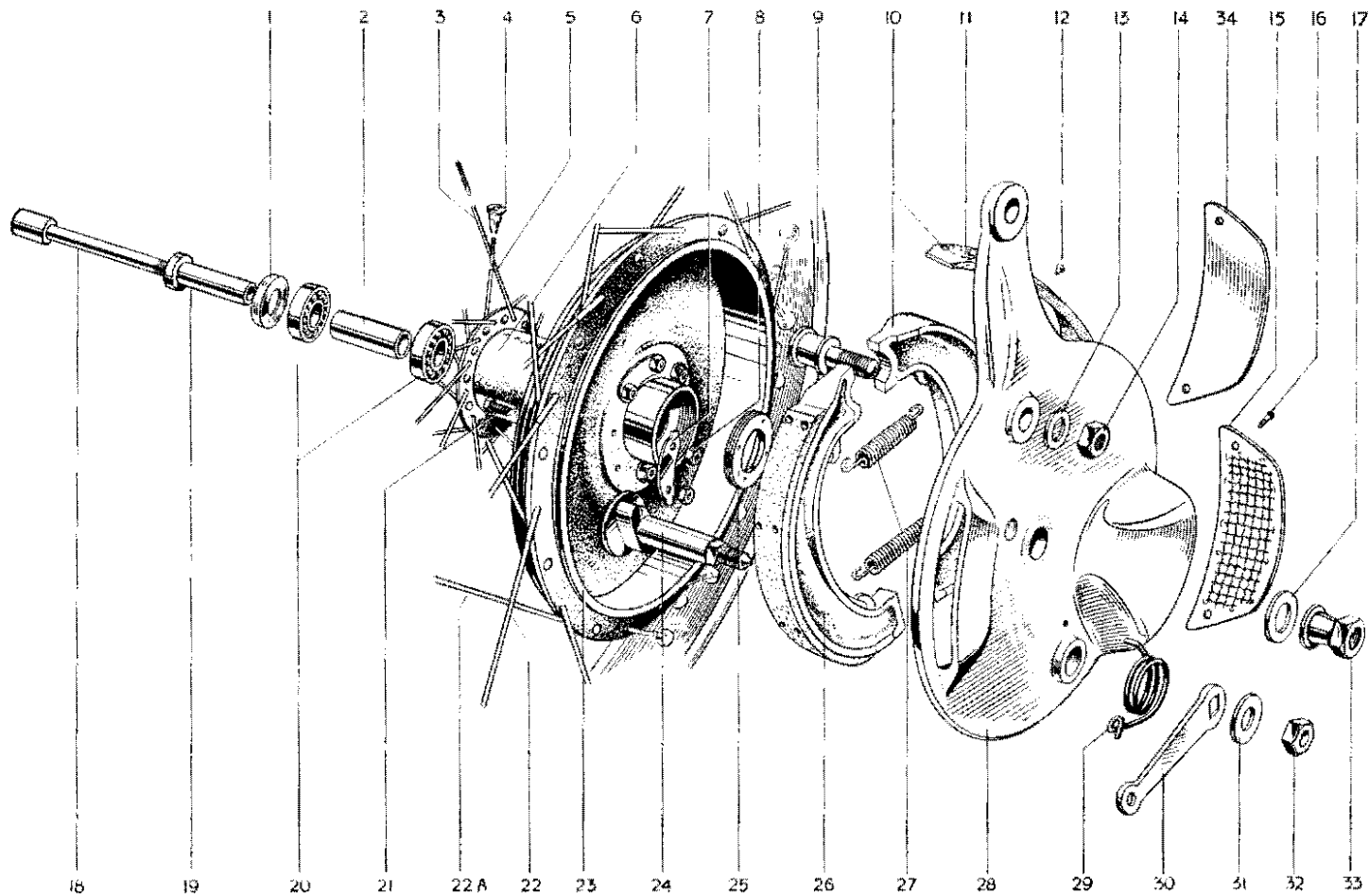


FIG. 19. FRONT WHEEL—TIGER 100 (T100) AND TIGER 110 (T110)

FRONT WHEEL – GROUP 15

FIG. 19 INDEX

<i>Illust. No.</i>	<i>Part No.</i>	<i>Page No.</i>	<i>Ref. No.</i>
1	W583	57	33
2	W581	57	31
3	W661	57	10
4	S79-2	57	19
5	W660	57	9
6	W573A	57	20
7	W63	57	25
8	SI-SI	57	24
9	W758	57	41
10	W1086	59	2
11	W631	59	5
12	W129	59	6
13	E2288	57	43
14	PO172A	57	42
15	W1059	57	37
16	H689	57	39
17	W545	57	29
18	W578	57	26
19	W761	57	27
20	W653	57	30
21	W62	57	23
22	W1166	57	15
22A	W1167	57	16
23	W1165	57	22
24	W780	59	9
25	W582	59	32
26	W1087	59	3
27	W135	59	7
28	W1073	57	36
29	W592	59	13
30	W589	59	10
31	S25-6	59	12
32	SI-52	59	11
33	W544	57	28
34	W1169	57	38

GROUP 16 — REAR WHEEL

REF. No.	PART No.	DESCRIPTION	5T	6T	TR5	T100	T110
REAR WHEEL—GROUP 16							
1	W1110	Wheel, rear complete	1	1	—	1	1
2	W1123	Wheel, rear complete	—	—	1	—	—
3	W1068	Wheel, less internals and brake fittings	1	1	—	1	1
4	W1006	Wheel, less internals and brake fittings	—	—	1	—	—
5	W79A	Rim, rear wheel WM2-19	1	1	—	1	1
6	W1007	Rim, rear wheel WM3-18	—	—	1	—	—
7	*NW125	Spoke, 8 $\frac{1}{8}$ " x 9G 76°	10	10	—	10	10
8	*NW125X	Spoke, 8 $\frac{1}{8}$ " x 9G 100°	10	10	—	10	10
9	*W1008	Spoke, 8 $\frac{1}{8}$ " x 9G 79°	—	—	10	—	—
10	*W1009	Spoke, 8 $\frac{1}{8}$ " x 9G 98°	—	—	10	—	—
11	*W107	Spoke, 8 $\frac{1}{8}$ " x 9G 80°	10	10	—	10	10
12	*W107X	Spoke, 8 $\frac{1}{8}$ " x 9G 97°	10	10	—	10	10
13	*W1010	Spoke, 8 $\frac{1}{8}$ " x 9G 79°	—	—	10	—	—
14	W1011	Spoke, 8 $\frac{1}{8}$ " x 9G 98°	—	—	10	—	—
15	TW5	Nipple, spoke	40	40	40	40	40
16	W1017	Hub	1	1	1	1	1
17	W951	Sprocket, and drum (46T)	1	1	1	1	1
18	W62	Bolt, sprocket and drum to hub $\frac{1}{8}$ " U.H.	8	8	8	8	8
19	SI-51	Nut, sprocket and drum to hub	8	8	8	8	8
20	W63	Lockplate, sprocket and drum nut	8	8	8	8	8
21	W1025	Spindle, rear wheel	1	1	1	1	1
22	F1747	Nut, rear wheel spindle	2	2	2	2	2
23	W653	Bearing, rear wheel ball	2	2	2	2	2
24	W1022	Ring, bearing backing L.H.	1	1	1	1	1
25	W1023	Distance, tube, bearing	1	1	1	1	1
26	W1021	Retaining ring, bearing	1	1	1	1	1
27	W1079	Locking screw, bearing retaining ring $\frac{1}{8}$ " U.H.	1	1	1	1	1
28	W1024	Distance piece, L.H. bearing	1	1	1	1	1
29	W583	Cap, bearing dust R.H.	1	1	1	1	1
30	W1026	Nut, bearing retaining R.H.	1	1	1	1	1
31	W1134	Chain adjuster, rear wheel	2	2	2	2	2
32	W1015	End plate, adjuster	2	2	2	2	2
33	W1058	Nut, adjuster end plate	2	2	2	2	2
34	D106	Bolt, tyre security	1	1	—	1	1
35	WM3	Bolt, tyre security	—	—	2	—	—

* Supplied complete with nipple (TW5).

REAR WHEEL BRAKE

36	W1112	Plate, rear brake anchor	1	1	1	1	1
37	W1092	Locknut, rear brake anchor plate	1	1	1	1	1
38	W93	Shoe assembly, rear with lining	2	2	2	2	2
39	NW243	Lining, rear brake shoe	2	2	2	2	2
40	W129	Rivet, brake shoe lining	16	16	16	16	16
41	W135	Spring, brake shoe return	2	2	2	2	2
42	W1083	Cam assembly rear brake	1	1	1	1	1
43	W1085	Lever, rear brake cam	1	1	1	1	1
44	SI-52	Nut, rear brake cam lever	1	1	1	1	1
45	W1090	Spring, rear brake cam lever return	1	1	1	1	1
46	DS47	Nut, Torque stay securing	1	1	1	1	1
47	PCW73A	Washer, torque stay nut	1	1	1	1	1

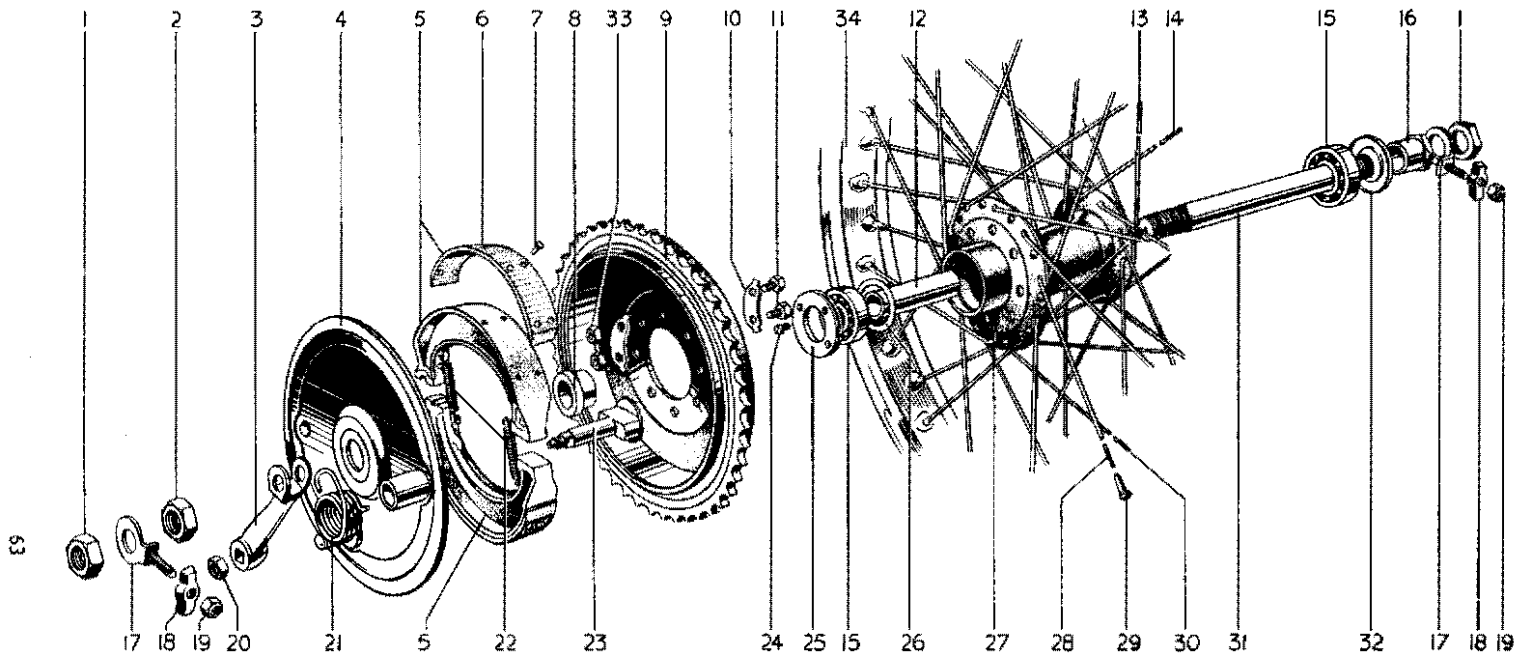


FIG. 20. REAR WHEEL

FIG. 20 INDEX

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	62	22		W1010	62	13	25	W1021	62	26
2	W1092	62	37	14	W107X	62	12	26	W1022	62	24
3	W1085	62	43		W1011	62	14	27	W1017	62	16
4	W1112	62	36	15	W653	62	23	28	NW125	62	7
5	W93	62	38	16	W1026	62	30		W1008	62	9
6	NW243	62	39	17	W1134	62	31	29	TW5	62	15
7	W129	62	40	18	W1015	62	32	30	NW125X	62	8
8	W1024	62	28	19	W1058	62	33		W1009	62	10
9	W951	62	17	20	SI-52	62	44	31	W1025	62	21
10	W63	62	20	21	W1090	62	45	32	W583	62	29
11	W62	62	18	22	W135	62	41	33	SI-51	62	19
12	W1023	62	25	23	W1083	62	42	34	W79A	62	5
13	W107	62	11	24	W1079	62	27		W1007	62	6

REAR WHEEL - GROUP 16

GROUP 17 - REAR WHEEL (QUICKLY DETACHABLE)

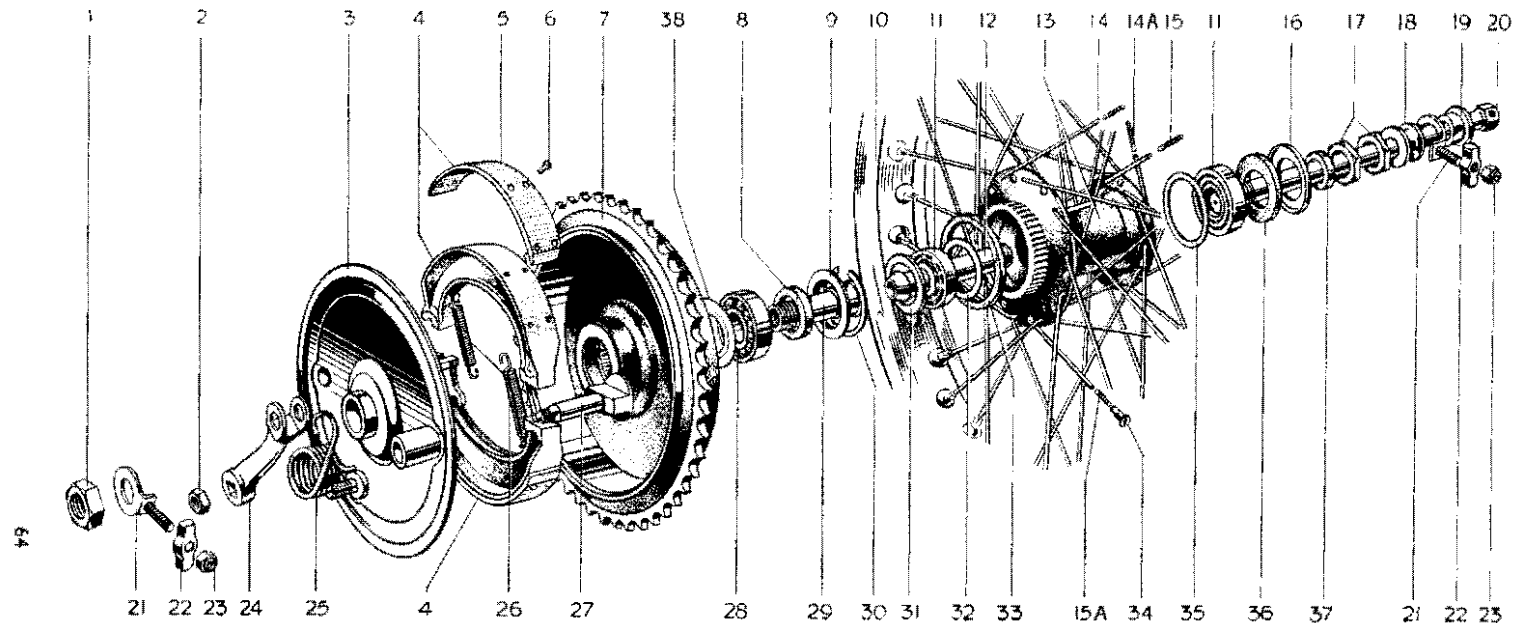


FIG. 21. REAR WHEEL (QUICKLY DETACHABLE)

FIG. 21 INDEX

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	65	32					24	W1085	65	42
2	S1-52	65	41	14A	NW126	65	9	25	W1090	65	40
3	W1121	65	38		W1127	65	10	26	W135	65	46
4	W93	65	43	15	NW125X	65	8	27	W1083	65	39
5	NW243	65	44		W1127	65	10	28	W1041	65	24
6	W129	65	45	15A	NW125X	65	8	29	W1045	65	28
7	W1040	65	22		W1126	65	9	30	W1044	65	27
8	W1042	65	25	16	W1038	65	18	31	W1035	65	15
9	W1043	65	26	17	E398	65	20	32	W1033	65	13
10	W79A	65	5	18	W1053	65	33	33	W1091	65	21
	W1007	65	6	19	W1170	65	34	34	TW5	65	11
11	W1034	65	14	20	W1055	65	35	35	W1033	65	13
12	W1039	65	19	21	W1135	65	29	36	W1036	65	16
13	W1029	65	12	22	W1015	65	30	37	W1037	65	17
14	NW125X	65	8	23	W1058	65	31	38	W1143	65	23

REAR WHEEL (QUICKLY DETACHABLE) – GROUP 17

REF. No.	PART No.	DESCRIPTION	5T	6T	TR5	T100	T110
REAR WHEEL (QUICKLY DETACHABLE)—GROUP 17							
1	W1119	Wheel, Q.D. rear complete	1	1	—	1	1
2	W1124	Wheel, Q.D. rear complete	—	—	1	—	—
3	W1028	Wheel, less internals and brake fittings	1	1	—	1	1
4	W1125	Wheel, less internals and brake fittings	—	—	1	—	—
5	W79A	Rim, WM2-19	1	1	—	1	1
6	W1007	Rim, WM3-18	—	—	1	—	—
7	NW125	Spoke, 8 $\frac{1}{4}$ " \times 9G 76 Timing side	10	10	—	10	10
8	NW125X	Spoke, 8 $\frac{1}{4}$ " \times 9G 100	30	30	—	30	30
9	W1126	Spoke, 7 $\frac{1}{16}$ " \times 9G 90 Drive side	—	—	20	—	—
10	W1127	Spoke, 7 $\frac{1}{8}$ " \times 9G 100 Timing side	—	—	20	—	—
11	TW5	Nipple, spoke	40	40	40	40	40
12	W1029	Hub	1	1	1	1	1
13	W1033	Backing ring, bearing	2	2	2	2	2
14	W1034	Bearing, taper roller	2	2	2	2	2
15	W1035	Dust cap, L.H. bearing	1	1	1	1	1
16	W1036	Felt washer, R.H. bearing	1	1	1	1	1
17	W1037	Distance piece, R.H. bearing	1	1	1	1	1
18	W1038	Dust cap, R.H. bearing	1	1	1	1	1
19	W1039	Sleeve, bearing and spindle	1	1	1	1	1
20	E398	Locknut, bearing and spindle sleeve	2	2	2	2	2
21	W1091	Sealing ring, driving flange and brake drum	1	1	1	1	1
22	W1040	Brake drum and sprocket 46T	1	1	1	1	1
23	W1143	Grease retainer, brake drum bearing	1	1	1	1	1
24	W1041	Bearing, brake drum	1	1	1	1	1
25	W1042	Felt washer, brake drum bearing	1	1	1	1	1
26	W1043	Retainer, brake drum bearing	1	1	1	1	1
27	W1044	Circlip, brake drum bearing retainer	1	1	1	1	1
28	W1045	Sleeve, brake drum bearing	1	1	1	1	1
29	W1135	Adjuster, rear wheel chain	2	2	2	2	2
30	W1015	End plate, rear wheel adjuster	2	2	2	2	2
31	W1058	Nut, rear wheel adjuster	2	2	2	2	2
32	W1052	Nut, bearing sleeve L.H.	1	1	1	1	1
33	W1053	Distance collar, spindle	1	1	1	1	1
34	W1170	Collar, spindle	1	1	1	1	1
35	W1055	Spindle	1	1	1	1	1
36	WM2	Bolt, tyre security	1	1	—	1	1
37	WM3	Bolt, tyre security	—	—	2	—	—
REAR WHEEL BRAKE							
38	W1121	Plate, brake anchor	1	1	1	1	1
39	W1083	Cam, brake	1	1	1	1	1
40	W1090	Return spring, brake lever	1	1	1	1	1
41	S1-52	Nut, brake lever	1	1	1	1	1
42	W1085	Lever, brake	1	1	1	1	1
43	W93	Shoe, rear brake c/w lining	2	2	2	2	2
44	NW243	Lining, rear brake shoe	2	2	2	2	2
45	W129	Rivet, rear brake shoe	16	16	16	16	16
46	W135	Spring, rear brake shoe	2	2	2	2	2
47	DS47	Nut, torque stay securing	1	1	1	1	1
48	PCW73A	Washer, torque stay nut	1	1	1	1	1

MUDGUARD – GROUP 18

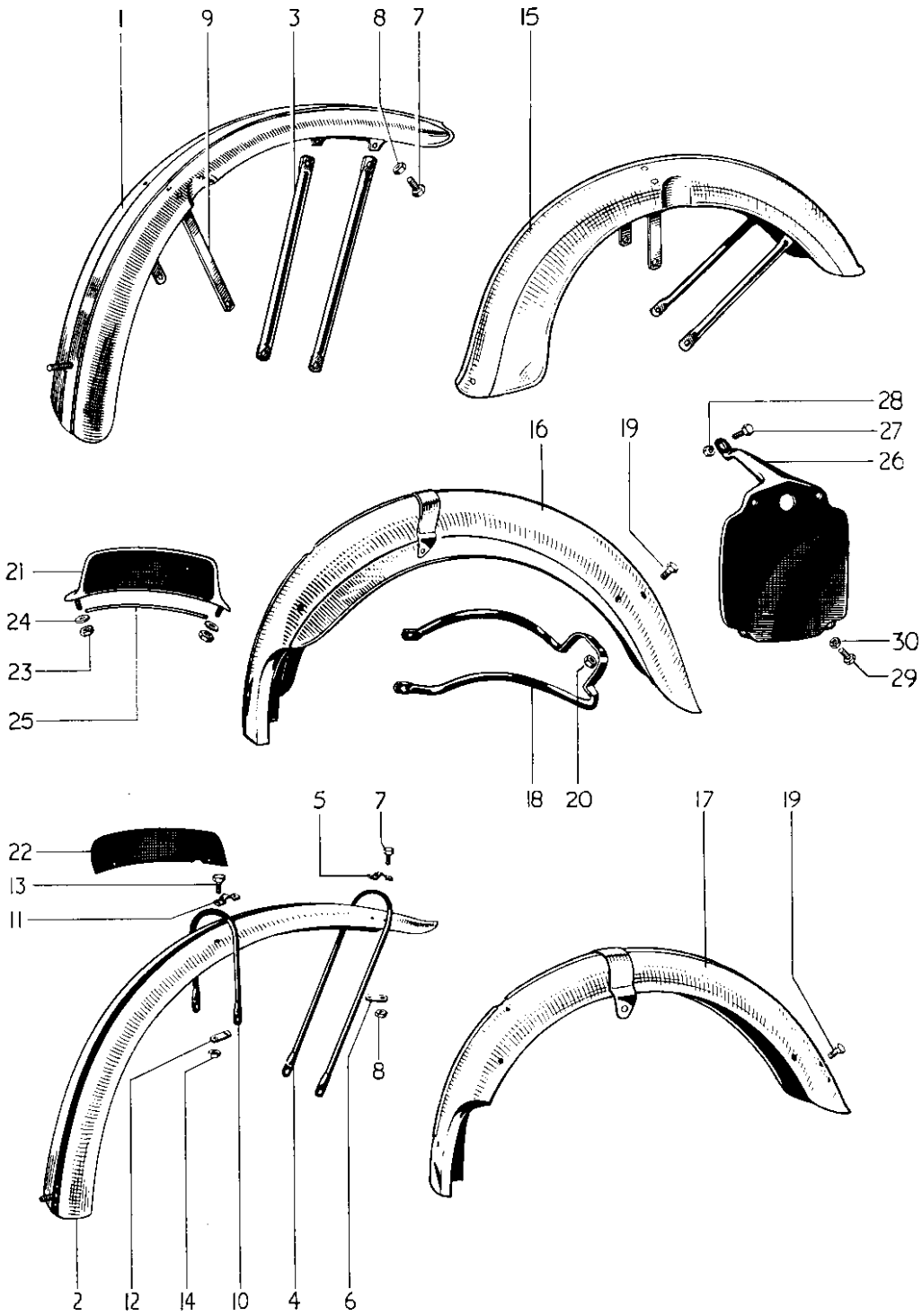


FIG. 22. FRONT AND REAR MUDGUARDS

GROUP 18 – MUDGUARD

REF. No.	PART No.	DESCRIPTION	5T	6T	TR5	T100	T110
1	DS57	Bolt, bridge to mudguard $\frac{1}{8}$ " U.H. ...	—	—	4	—	—
2	E1612	Washer, bridge to mudguard bolt ...	—	—	4	—	—
3	F879	Nut, bridge to mudguard bolt ...	—	—	4	—	—
4	H428	Clip, support bridge to fork ...	2	2	2	2	2
5	H426	Bolt, support bridge to fork clip L.H. $\frac{3}{16}$ " U.H. ...	1	1	—	1	1
6	F1031	Bolt, support bridge to fork clip L.H. $\frac{1}{8}$ " U.H. ...	—	—	1	—	—
7	H451	Bolt, support bridge to fork clip R.H. $\frac{1}{8}$ " U.H. ...	1	1	—	1	1
8	H622	Bolt, support bridge to fork clip R.H. $\frac{1}{8}$ " U.H. ...	—	—	1	—	—
9	PO172A	Nut, clip bolt ...	2	2	2	2	2
10	S26-1	Washer, clip bolt nut ...	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 $\frac{1}{8}$ " U.H. ...	—	—	2	—	—
13	S26-3	Washer, mudguard stay to fork end ...	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 $\frac{1}{8}$ " 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
----	------	--------------------------	---	---	---	---	---

REAR MUDGUARD

19	F3629	Mudguard assembly, complete ...	1	1	—	1	1
20	F3685	Mudguard assembly, complete ...	—	—	1	—	—
21	F3599	Bracket, mudguard to rear engine plates ...	1	1	1	1	1
22	W62	Bolt, mudguard bracket to rear engine plates $\frac{1}{8}$ " U.H. ...	2	2	2	2	2
23	SI-51	Nut, mudguard bracket bolt ...	2	2	2	2	2
24	S26-3	Washer, mudguard bracket bolt ...	2	2	2	2	2
25	DS57	Bolt, mudguard to bracket $\frac{1}{8}$ " U.H. ...	2	2	2	2	2
26	F879	Nut, mudguard to bracket bolt ...	2	2	2	2	2
27	S26-2	Washer, mudguard to bracket bolt ...	2	2	2	2	2
28	F3632	Bolt, mudguard to frame $\frac{1}{16}$ " U.H. ...	2	2	2	2	2
29	SI-51	Nut, mudguard to frame bolt ...	2	2	2	2	2
30	S26-3	Washer, mudguard to frame bolt ...	2	2	2	2	2
31	F3896	Lifting handle, rear ...	1	1	1	1	1
32	DS57	Bolt, lifting handle to mudguard $\frac{1}{8}$ " U.H. ...	2	2	2	2	2
33	F879	Nut, lifting handle bolt ...	2	2	2	2	2
34	S26-2	Washer, lifting handle bolt ...	2	2	2	2	2

NUMBER PLATE — GROUP 19 PETROL AND OIL TANK — GROUP 20

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

NUMBER PLATE—GROUP 19

FRONT NUMBER PLATE

1	F2698	Plate assembly, number	1	1	—	1	1
2	F2996	Plate number	—	—	1	—	—
3	H741	Clip, plate to mudguard c/w nut and bolt	—	—	2	—	—
4	H687	Screw, plate to clip $\frac{1}{4}$ " U.H.	—	—	2	—	—
5	F879	Nut, plate stud	2	2	—	2	2
6	H745	Nut, plate clip screw	—	—	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
10	F929	Bolt, rear number plate top $\frac{1}{4}$ " U.H.	1	1	1	1	1
11	S1-S1	Nut, rear number plate top bolt	1	1	1	1	1
12	S26-3	Washer, number plate top bolt	1	1	1	1	1
13	F1369	Bolt, rear number plate bottom $\frac{1}{2}$ " U.H.	2	2	2	2	2
14	S26-2	Washer, bottom bolt nut	2	2	2	2	2
15	F879	Nut, bottom bolt	2	2	2	2	2
16	D68	Transfer, number plate (gold and white)	1	1	1	1	1

PETROL AND OIL TANK—GROUP 20

PETROL TANK

17	F3280PR	Tank, petrol	1	—	—	—	—
18	F3280TM	Tank, petrol	—	1	—	—	—
19	F3280BS	Tank, petrol	—	—	—	1	1
20	F3360	Tank, petrol (Export, Tigers)	—	—	1	A	A
21	F3220	Cap, petrol tank filler	1	1	—	1	1
22	F3219	Cap, petrol tank filler c/w jack chain	—	—	1	—	—
23	F3217, 21	Jack chain, filler cap	—	—	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	F3083	Band, petrol tank styling L.H. (Export)	—	—	1	A	A
27	F3084	Band, petrol tank styling R.H. (Export)	—	—	1	A	A
28	F1823A	Nameplate, petrol tank	2	—	—	—	—
29	F1823H	Nameplate, petrol tank	—	2	—	—	—
30	F1823F	Nameplate, petrol tank	—	—	2	2	2
31	F3113	Screw, nameplate $\frac{1}{8}$ " U.H.	4	4	4	4	4

GROUP 20 — PETROL AND OIL TANK

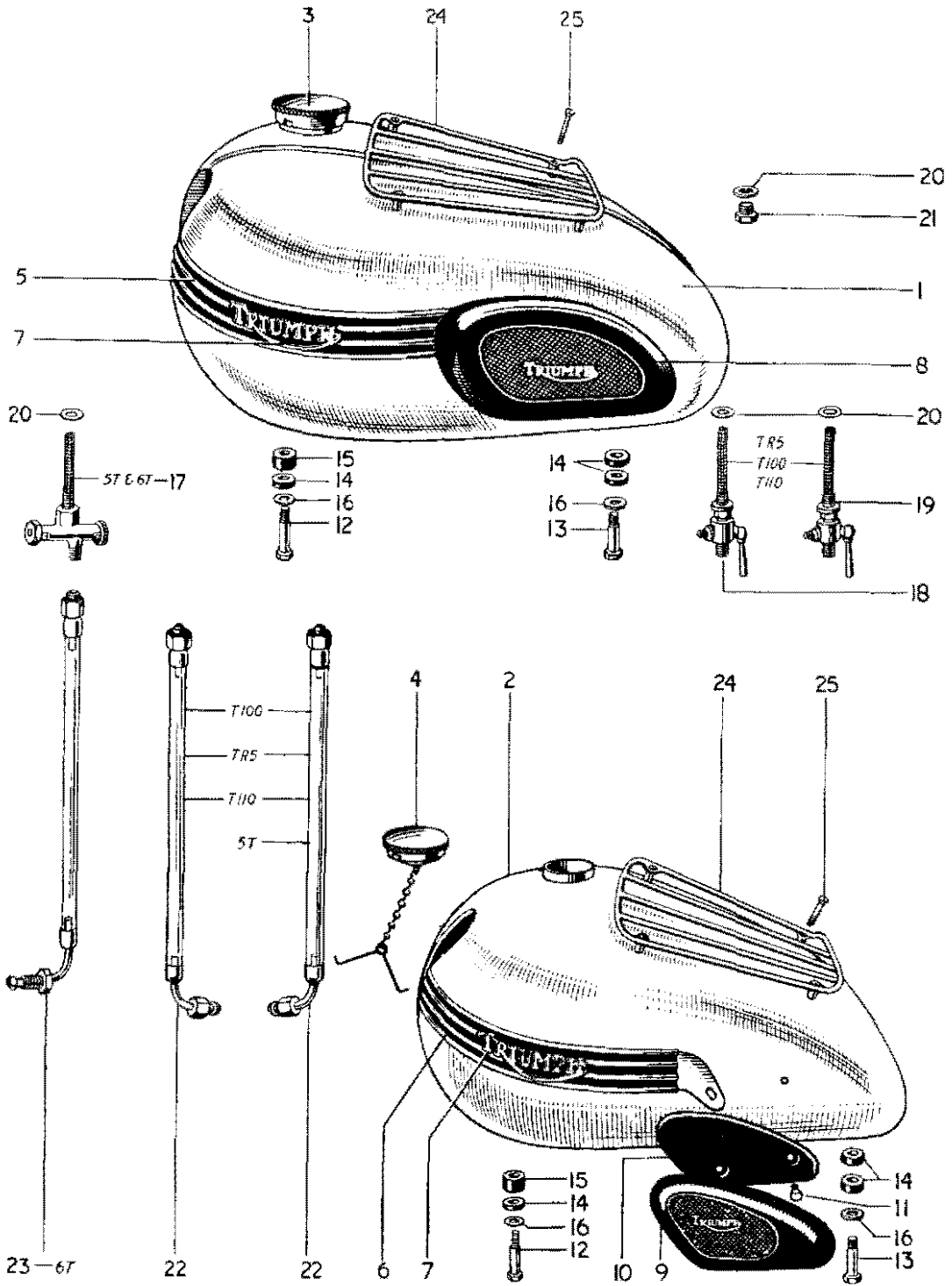


FIG. 23. PETROL TANKS AND FITTINGS

PETROL AND OIL TANK – GROUP 20

REF. No.	PART No.	DESCRIPTION	5T	6T	TR5	T100	T110
1	F2551	Pad, knee grip L.H.	1	1	—	1	1
2	F2552	Pad, knee grip R.H.	1	1	—	1	1
3	F1606	Pad, knee grip L.H. (Export, Tigers)	—	—	1	A	A
4	F1605	Pad, knee grip R. H. (Export, Tigers)	—	—	1	A	A
5	F1607	Plate, knee grip insert (Export) L.H.	—	—	1	A	A
6	F1607A	Plate, knee grip insert (Export) R.H.	—	—	1	A	A
7	T361	Bolt, knee grip insert (Export) plate $\frac{1}{4}$ " U/H	—	—	4	A	A
8	F1953	Screw, knee grip pad	4	4	—	4	4
9	F1808	Bolt, petrol tank fixing (front) $1\frac{3}{16}$ " U/H	2	2	2	2	2
10	F966	Bolt, petrol tank fixing (rear) $\frac{11}{16}$ " U/H	2	2	2	2	2
11	F967	Pad, petrol tank rubber	6	6	6	6	6
12	F1813	Pad, petrol tank rubber front	2	2	2	2	2
13	S25-27	Washer, petrol tank bolt plain	4	4	4	4	4
14	F1717	Tap, petrol feed	1	1	—	—	—
15	F3057	Tap, petrol feed L.H.	—	—	1	1	1
16	F3116	Tap, petrol feed R.H. (reserve)	—	—	1	1	1
17	F1511	Washer, petrol tap	2	2	2	2	2
18	F3329	Plug, petrol tank... ..	1	1	—	—	—
19	F3672	Pipe, petrol feed	1	—	2	2	2
20	F3332	Pipe, petrol feed	—	1	—	—	—

FIG. 23 INDEX

Illust. No.	Part No.	Page No.	Ref. No.	Illust. No.	Part No.	Page No.	Ref. No.
1	F3280	69	17	14	F1813	71	12
2	F3360	69	20	15	F967	71	11
3	F3220	69	21	16	S25-27	71	13
4	F3219	69	22	17	F1717	71	14
5	F3281	69	24	18	F3057	71	15
6	F3083	69	26	19	F3116	71	16
7	F1823	69	28	20	F1511	71	17
8	F2551	71	1	21	F3329	71	18
9	F1606	71	3	22	F3672	71	19
10	F1607	71	5	23	F3332	71	20
11	T361	71	7	24	F2933	72	1
12	F1808	71	9	25	F2936	72	2
13	F966	71	10				

GROUP 20 — PETROL AND OIL TANK

GROUP 21 — CHAINGUARD

REF. No. PART No. DESCRIPTION ST 6T TRS T100 T110

TANK PARCEL GRID

1	F2933	Grid, tank parcel	1	1	1	1	1
2	F2936	Screw, tank parcel grid	4	4	4	4	4
3	*F3026	Plug, petrol tank grid	4	4	4	4	4

*To replace F2936 when grid is not in use.

OIL TANK

4	F3856	Tank, oil	1	1	1	1	1
5	F3658	Cap, oil tank filler	1	1	—	1	1
6	F3796	Cap, oil tank filler c w jack chain	—	—	1	—	—
7	F3217 21	Jack chain, filler cap	—	—	1	—	—
8	E1792	Plug, oil tank drain	1	1	1	1	1
9	PT104B	Washer, oil tank drain plug	1	1	1	1	1
10	T1203	Pipe, oil tank vent (flexible)	1	1	1	1	1
11	F3641	Stud, oil tank to seat tube $\frac{1}{8}$ " O A	1	1	1	1	1
12	F1008	Nut, oil tank to stud	1	1	1	1	1
13	S26-3	Washer, oil tank stud nut	1	1	1	1	1
14	F1213	Bolt, tank to backstay bracket $\frac{1}{8}$ " U H	1	1	1	1	1
15	S1-51	Nut, backstay bracket bolt	1	1	1	1	1
16	S26-3	Washer, backstay bolt nut	1	1	1	1	1
17	F3179	Filter, oil tank	1	1	1	1	1
18	F1713	Washer, oil tank filter	1	1	1	1	1
19	F3655	Pipe, top half oil feed	1	1	1	1	1
20	F3182	Union nut, feed pipe	1	1	1	1	1
21	E3353	Pipe, oil feed (flexible)	1	1	1	1	1
22	E3354	Pipe, oil return (flexible)	1	1	1	1	1
23	E3355	Junction block, oil pipes to engine	1	1	1	1	1
24	E1529	Washer, oil pipe block joint	1	1	1	1	1
25	S1-51	Nut, oil pipe block securing	1	1	1	1	1
26	S25-3	Washer, oil pipe block securing nut	1	1	1	1	1

For securing bolt, nut and washer, oil tank to rear engine plates, see Rear Mudguard Group page 68.

CHAINGUARD—GROUP 21

REAR CHAINGUARD

27	F3570	Chainguard	1	1	—	1	1
28	F3807	Chainguard	—	—	1	—	—
29	DS57	Bolt, chainguard front $\frac{1}{8}$ " U H	1	1	1	1	1
30	S26-2	Washer, chainguard bolt	1	1	1	1	1
31	F3808	Clip, chainguard to frame	—	—	1	—	—
32	F3810	Distance piece, chainguard clip	—	—	1	—	—
33	F3809	Bolt, chainguard clip $1\frac{1}{4}$ " U H	—	—	1	—	—
34	E3290	Nut, clip bolt	—	—	1	—	—

Chainguard retained at the rear by the lower suspension unit bolt.

PETROL AND OIL TANK – GROUP 20

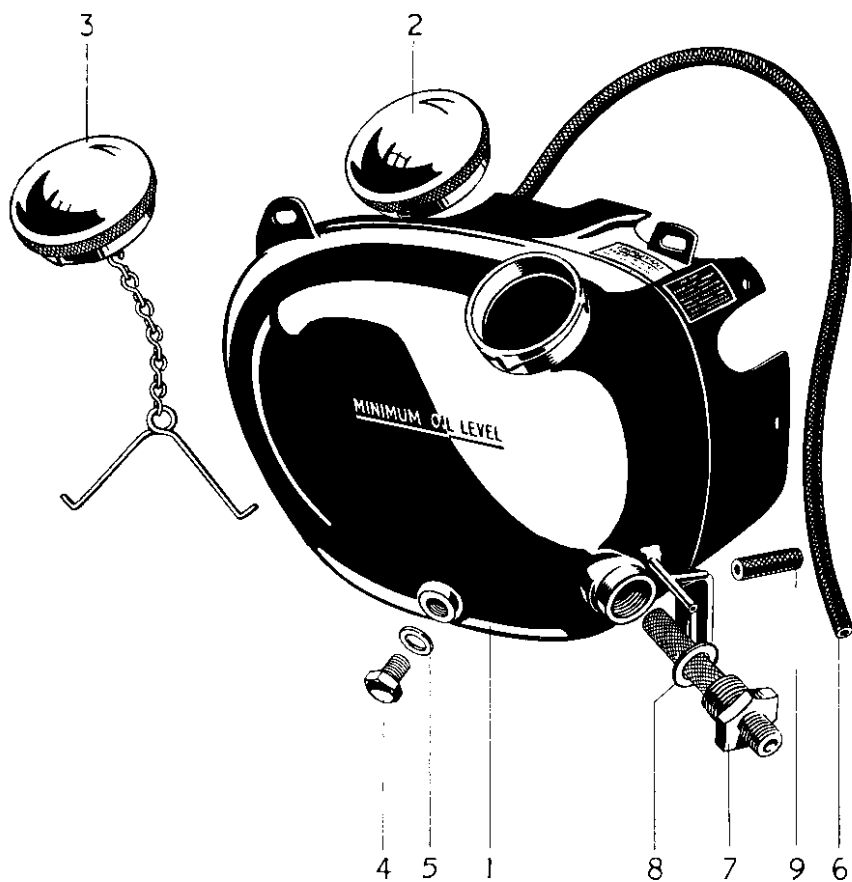


FIG. 24. OIL TANK

FIG. 24 INDEX

Illust. No.	Part No.	Page No.	Ref. No.	Illust. No.	Part No.	Page No.	Ref. No.
1	F3856	72	4	6	T1203	72	10
2	F3658	72	5	7	F3179	72	17
3	F3796	72	6	8	F1713	72	18
4	E1792	72	8	9	E3383	32	7
5	PT104B	72	9				

GROUP 22 — PRIMARY CHAINCASE

REF. No.	PART No.	DESCRIPTION	5T	6T	TR5	T100	T110
1	T1232	Cover, chaincase outer ...	1	—	—	—	—
2	T1237	Cover, chaincase outer ...	—	1	—	—	—
3	T1190	Cover, chaincase outer ...	—	—	1	1	1
4	T1231	Cover, chaincase inner ...	1	1	—	—	—
5	T1186	Cover, chaincase inner ...	—	—	1	1	1
6	T1059	Sleeve, chaincase inner (Rubber)	1	1	—	—	—
7	NT367	Plug, chaincase oil filler ...	1	1	1	1	1
8	NT376	Washer, chaincase oil filler plug ...	1	1	1	1	1
9	PCE102F	Plug, chaincase oil drain ...	1	1	1	1	1
10	WE170	Washer, chaincase oil drain plug ...	1	1	1	1	1
11	NT316	Dowel, chaincase to footrest ...	2	2	2	2	2
12	T1031	Plate, chaincase oil retainer ...	1	1	1	1	1
13	T91	Plate, chaincase oil retainer spring ...	1	1	1	1	1
14	T177A	Rivet, chaincase oil retainer plate ...	2	2	2	2	2
15	T496	Adjuster, rear chain oiler ...	1	1	1	1	1
16	T497	Spring, rear chain oiler ...	1	1	1	1	1
17	T1226	Washer, chaincase joint...	1	1	—	—	—
18	T1189	Washer, chaincase joint...	—	—	1	1	1
19	E3437	Screw, chaincase cover (short) $\frac{11}{16}$ " U:H ...	11	11	8	8	8
20	E3441	Screw, chaincase cover (long) $1\frac{11}{16}$ " U:H ...	—	—	3	3	3
21	E3444	Screw, chaincase cover (front) $2\frac{1}{2}$ " U:H ...	4	4	—	—	—

FIG. 25 INDEX

Illust. No.	Part No.	Page No.	Ref. No.	Illust. No.	Part No.	Page No.	Ref. No.
1	T1232	74	1	11	PCE102F	74	9
	T1237	74	2	12	WE170	74	10
2	T1190	74	3	13	NT316	74	11
3	E3447	104	2	14	T1031	74	12
4	E3448	104	3	15	T91	74	13
5	E3444	74	21	16	T496	74	15
6	T1226	74	17	17	T497	74	16
7	T1231	74	4	18	T1189	74	18
8	T1186	74	5	19	E3437	74	19
9	NT367	74	7	20	E3441	74	20
10	NT376	74	8				

PRIMARY CHAINCASE – GROUP 22

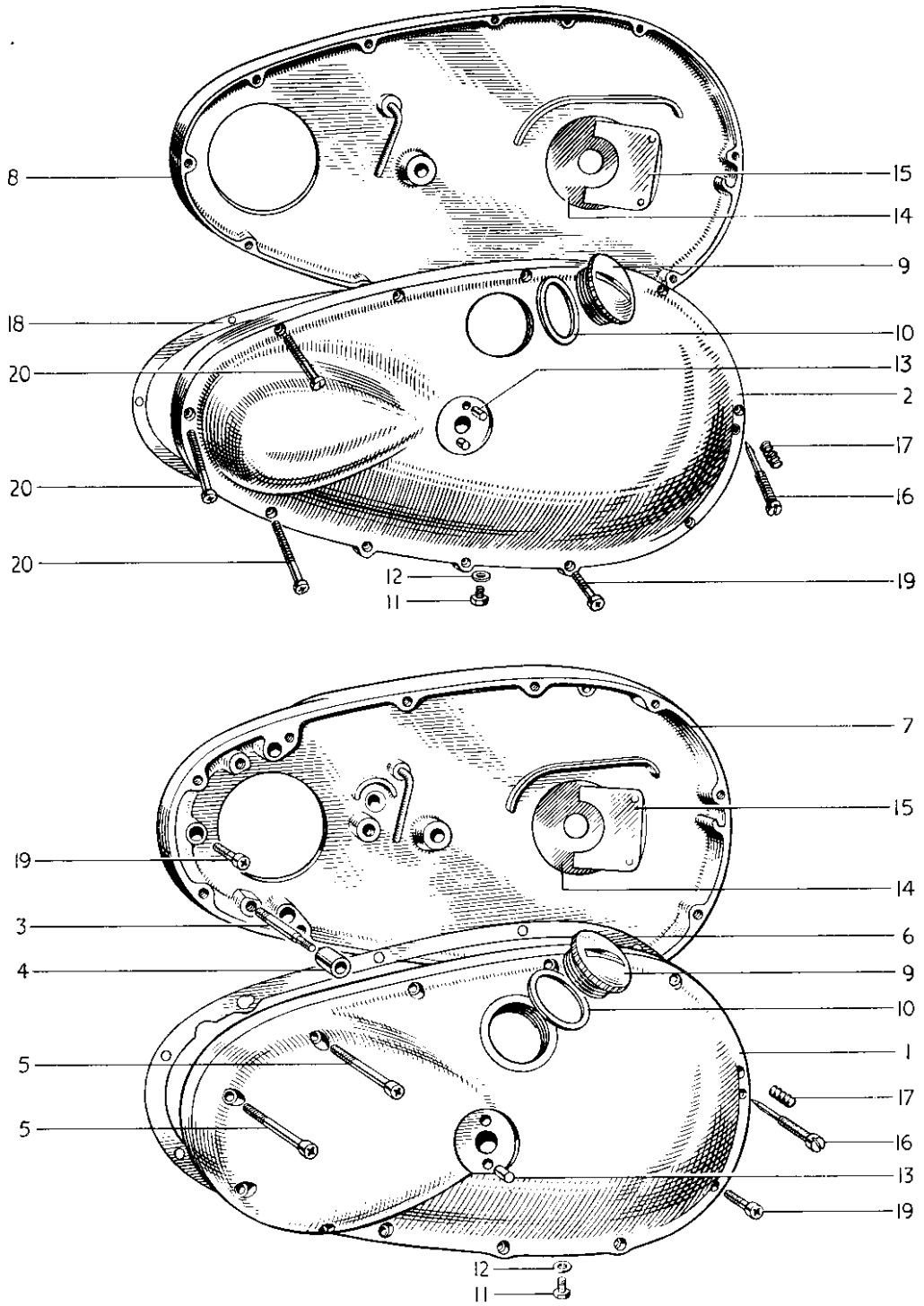


FIG. 25. PRIMARY CHAINCASE

GROUP 23 — HANDLEBAR

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

HANDLEBAR—GROUP 23

HANDLEBAR

1	H696	Handlebar, complete with all controls	...	...	1	1	—	—	—
2	H960	Handlebar, complete with all controls	...	...	—	—	1	—	—
3	H773	Handlebar, complete with all controls	...	...	—	—	—	1	1
4	H659	Handlebar, bend only	...	...	1	1	—	1	1
5	H932	Handlebar, bend only	...	...	—	—	1	—	—
6	H230	Grip, handlebar L.H. rubber	...	...	1	1	1	1	1

FOR U.S.A. AND CANADIAN PATTERN SEE PAGE 80.

THROTTLE CONTROL

7	H697	Twistgrip, assembly	...	...	1	1	1	1	1
8	H230	Grip, twistgrip rubber	...	...	1	1	1	1	1
9	H698	Head, assembly, twistgrip	...	...	1	1	1	1	1
10	H685	Spring, twistgrip friction screw	...	...	1	1	1	1	1
11	H665	Screw, twistgrip friction adjuster	...	...	1	1	1	1	1
12	H686	Spring, twistgrip friction	...	...	1	1	1	1	1
13	H234	Thimble, twistgrip cable	...	...	1	1	1	1	1
14	H237	Grubscrew, twistgrip	...	...	1	1	1	1	1
15	H700	Sleeve assembly, twistgrip	...	...	1	1	1	1	1
16	H233	Plate, sleeve retaining	...	...	2	2	2	2	2
17	H232	Circlip, sleeve retaining	...	...	1	1	1	1	1

FIG. 26 INDEX

Illust. No.	Part No.	Page No.	Ref. No.	Illust. No.	Part No.	Page No.	Ref. No.	
1	H659	76	4	9	18:500	78	3	
	H932	76	5		10	H668	78	4
	H787	80	19		11	61:004	78	5
	H746	80	20		12	18:087	78	6
2	H230	76	6	13	18:053	78	7	
	H698	76	9		14	18:546	78	8
4	H234	76	13	15	H670	79	34	
5	H700	76	15	16	31405A	99	26	
6	H233	76	16	17	H689	99	28	
7	H232	76	17	18	76200A	99	29	
8	18:535	78	2					

HANDLEBAR — GROUP 23

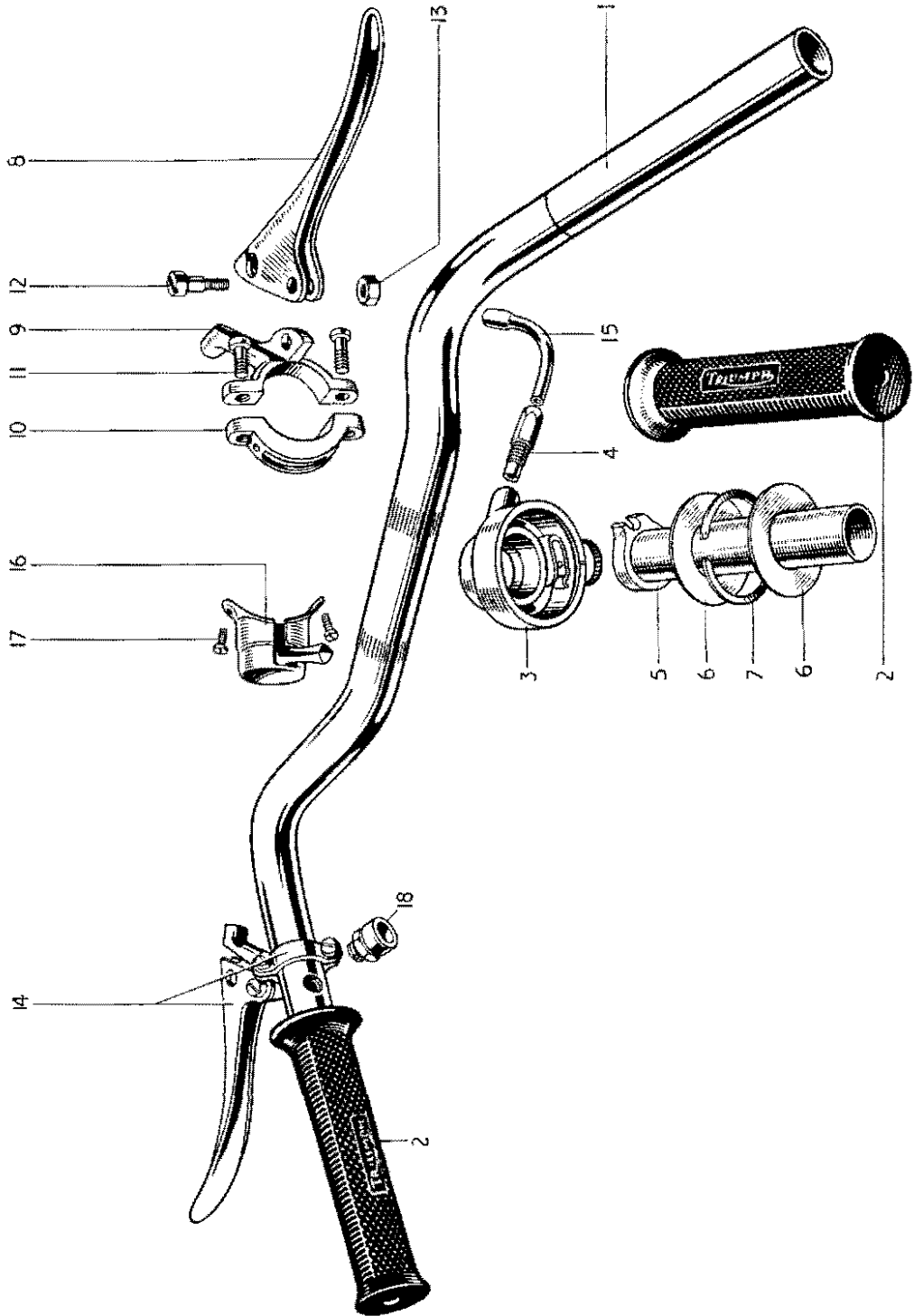


FIG. 26. HANDLEBAR AND CONTROLS

GROUP 23 — HANDLEBAR

REF. No.	PART No.	DESCRIPTION	ST	6T	TR5	T100	T110
----------	----------	-------------	----	----	-----	------	------

FRONT BRAKE CONTROL

1	18:599	Lever assembly, front brake (1" Handlebar)	...	1	1	1	1	1
2	18:535	Lever only, R.H.	...	1	1	1	1	1
3	18:500	Bracket, lever fulcrum	...	1	1	1	1	1
4	H668	Clamp, lever bracket	...	1	1	1	1	1
5	61:004	Screw, lever bracket to clamp	...	2	2	2	2	2
6	18:087	Screw, lever fulcrum pin	...	1	1	1	1	1
7	18:053	Nut, lever fulcrum pin screw	...	1	1	1	1	1

CLUTCH CONTROL

8	18:546	Lever assembly, clutch (1" handlebar)	...	1	1	1	1	1
9	18:528	Lever only, L.H.	...	1	1	1	1	1
10	18:174	Bracket, lever fulcrum	...	1	1	1	1	1
11	12:044	Clamp, lever bracket	...	1	1	1	1	1
12	11:014	Screw, lever bracket to clamp	...	2	2	2	2	2
13	18:087	Screw, lever fulcrum pin	...	1	1	1	1	1
14	18:053	Nut, lever fulcrum pin screw	...	1	1	1	1	1

AIR CONTROL

15	12:578	Lever assembly air control	...	1	—	—	1	1
16	12:163	Lever assembly air control (chrome)	...	—	—	1	—	—
17	12:016B	Lever only	...	1	—	—	1	1
18	12:016	Lever only	...	—	—	1	—	—
19	12:029	Bolt, centre	...	1	—	1	1	1
20	12:031	Cap	...	1	—	1	1	1
21	12:033	Washer, centre spring	...	1	—	1	1	1
22	11:014	Screw, clip fixing	...	2	—	2	2	2
23	12:044	Clip, fixing	...	1	—	1	1	1

MAGNETO CONTROL

24	12:173	Lever assembly, magneto control	...	—	—	1	—	—
25	12:162	Lever assembly, magneto control	...	—	—	—	1	1
26	12:017	Lever only	...	—	—	1	1	1
27	12:014	Lever only	...	—	—	—	1	1
28	12:029	Bolt, centre	...	—	—	1	1	1
29	12:031	Cap centre	...	—	—	1	1	1
30	12:033	Washer, spring	...	—	—	1	1	1
31	11:014	Screw, clip fixing	...	—	—	2	2	2
32	12:044	Clip, fixing	...	—	—	1	1	1

CONTROL CABLE — GROUP 24

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

CONTROL CABLE—GROUP 24

CLUTCH CABLE

1	D307X	Cable assembly clutch ... ..	|	|	|	|	|
2	D307W	Wire only, clutch ... ..	|	|	|	|	|
3	D307C	Casing only, clutch ... ..	|	|	|	|	|
4	D103	Ferrule, clutch casing	2	2	2	2	2
5	D81	Nipple, wire (handlebar end) ... ..	|	|	|	|	|
6	DS73	Nipple, wire (gearbox end) ... ..	|	|	|	|	|
7	DS74	Adjuster, clutch cable ... ..	|	|	|	|	|
8	W76	Locknut, clutch cable adjuster ... ..	|	|	|	|	|

FRONT BRAKE CABLE

9	D247	Cable assembly, brake ... ..	|	|	—	—	—
10	D222A	Cable assembly, brake ... ..	—	—	|	—	—
11	D305	Cable assembly, brake ... ..	—	—	—	|	|
12	D247W	Wire only, brake ... ..	|	|	—	—	—
13	D222AW	Wire only, brake ... ..	—	—	|	—	—
14	D305W	Wire only, brake ... ..	—	—	—	|	|
15	D247C	Casing only, brake ... ..	|	|	—	—	—
16	D222AC	Casing only, brake ... ..	—	—	|	—	—
17	D305C	Casing only, brake ... ..	—	—	—	|	|
18	D103	Ferrule, brake casing	2	2	2	2	2
19	H751	Ferrule, brake casing rubber ... ..	|	|	—	|	|
20	H707	Sleeve, brake casing rubber ... ..	|	|	—	|	|
21	D81	Nipple, wire ... ..	|	|	|	|	|
22	WS93	Fork end, wire ... ..	|	|	|	|	|
23	H446B	Tube, wire lower cover... ..	|	|	—	|	|
24	H447	Ferrule, cover tube ... ..	|	|	—	|	|
25	W328A	Adjuster, brake cable ... ..	|	|	|	|	|
26	WS91	Abutment... ..	|	|	|	|	|
27	W329	Thumb nut, brake cable adjuster ... ..	|	|	|	|	|

THROTTLE CABLE

28	D224	Cable assembly, throttle ... ..	|	—	|	|	|
29	D269	Cable assembly, throttle ... ..	—	|	—	—	—
30	D224W	Wire only, throttle ... ..	|	—	|	|	|
31	D269W	Wire only, throttle ... ..	—	|	—	—	—
32	D224C	Casing only, throttle ... ..	|	—	|	|	|
33	D269C	Casing only, throttle ... ..	—	|	—	—	—
34	H670	Guide tube, throttle wire ... ..	|	|	|	|	|
35	D101	Ferrule, throttle casing... ..	3	2	3	3	3
36	D83	Nipple, throttle wire (handlebar end) ... ..	|	|	|	|	|
37	NS191	Nipple, throttle wire (carburettor end) ... ..	|	|	|	|	|
38	D104	Adjuster, throttle casing ... ..	|	—	|	|	|
39	D267	Adjuster throttle casing ... ..	—	|	—	—	—
40	D268	Nut, throttle casing adjuster	—	2	—	—	—
41	D271	Spring, throttle lever return ... ..	—	|	—	—	—

GROUP 24 — CONTROL CABLE
GROUP 25 — OVERSEAS HANDLEBAR

REF. No.	PART No.	DESCRIPTION	5T	6T	TR5	T100	T110
AIR CABLE							
1	D329	Cable assembly, air ... ..	|	—	—	|	|
2	D242	Cable assembly, air ... ..	—	—	|	—	—
3	D329W	Wire only, air ... ..	|	—	—	|	|
4	D242W	Wire only, air ... ..	—	—	|	—	—
5	D329C	Casing only, air ... ..	|	—	—	|	|
6	D242C	Casing only, air ... ..	—	—	|	—	—
7	D101	Ferrule, air casing	2	—	2	2	2
8	D83	Nipple, air wire (handlebar end) ... ..	|	—	|	|	|
9	NS191	Nipple, air wire (carburettor end) ... ..	|	—	|	|	|

IGNITION CABLE							
10	D100	*Cable assembly, ignition ... ..	—	—	|	|	|
11	D100W	Wire only, ignition ... ..	—	—	|	|	|
12	D100C	Casing only, ignition ... ..	—	—	|	|	|
13	D101	Ferrule, ignition casing	—	—	2	2	2
14	D83	Nipple, ignition wire (Handlebar end) ... ..	—	—	|	|	|
15	XA69	Clip, cables to frame, etc.	as required				

**Magneto end fittings supplied by Messrs. Lucas Ltd.*

HANDLEBAR—GROUP 25

U.S.A. AND CANADIAN PATTERN

16	H786	Handlebar, complete with all controls ... ..	|	|	—	—	—
17	H798	Handlebar, complete with all controls ... ..	—	—	—	|	|
18	H973	Handlebar, complete with all controls ... ..	—	—	|	—	—
19	H787	Handlebar, bend only ... ..	|	|	—	|	|
20	H746	Handlebar, bend only ... ..	—	—	|	—	—
21	D256	Cable assembly, brake ... ..	|	|	—	—	—
22	D309	Cable assembly, brake ... ..	—	—	—	|	|
23	D330	Cable assembly, brake ... ..	—	—	|	—	—
24	D257	Cable assembly, throttle ... ..	|	—	—	|	|
25	D272	Cable assembly, throttle (not U.S.) ... ..	—	|	—	—	—
26	D260	Cable assembly, ignition ... ..	—	—	|	|	|
27	D306	Cable assembly, clutch ... ..	|	|	|	|	|

REAR BRAKE CONTROL — GROUP 26 FOOTREST — GROUP 27

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

REAR BRAKE CONTROL—GROUP 26

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

FOOTREST—GROUP 27

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

PILLION FOOTREST

21	F1694	Pedal, footrest	2	2	2	2	2
22	F1695	Rubber, footrest pedal	2	2	2	2	2
23	F2271	Bolt, footrest pedal pivot $\frac{1}{8}$ " U.H.	2	2	2	2	2
24	SI-51	Nut, footrest pedal pivot bolt	2	2	2	2	2
25	F2277	Washer, footrest pedal pivot bolt	2	2	2	2	2

Also see page 45 for model TR5.

GROUP 28 – BATTERY CARRIER AND TOOLBOX

REF. No. PART No. DESCRIPTION ST 6T TR5 T100 T110

BATTERY CARRIER AND TOOLBOX—GROUP 28

BATTERY CASE AND TOOLBOX

1	F3870	Battery case and toolbox assembly	...	...	...	1	1	1	1	1
2	E534	Swivel, carrier strap plain	...	...	...	1	1	1	1	1
3	E535	Swivel, carrier strap tapped	...	...	...	1	1	1	1	1
4	E536	Bolt, carrier strap swivel	1 1/8" U;H	...	...	1	1	1	1	1
5	F3588	Strap, carrier top	...	...	...	1	1	1	1	1
6	F1668	Strap, carrier front	...	...	...	1	1	1	1	1
7	F1727	Pin, carrier strap hinge	...	...	...	2	2	2	2	2
8	F3874	Lid assembly, battery case	...	...	...	1	1	1	1	1
9	F3875	Fastener, lid	...	...	...	1	1	1	1	1
10	F3227	Grommet, lid fastener	...	...	...	1	1	1	1	1
11	F3641	Stud, carrier to seat tube boss	1 1/8" O;A	...	...	1	1	1	1	1
12	F1008	Nut, carrier to seat tube boss stud	...	...	...	1	1	1	1	1
13	S26-3	Washer, carrier to seat tube boss stud	...	...	...	1	1	1	1	1
14	F1699	Clip, battery case to frame	...	...	...	1	1	1	1	1
15	DS57	Bolt, battery case to frame clip	1/4" U;H	...	...	1	1	1	1	1
16	F879	Nut, battery case to frame clip	...	...	...	1	1	1	1	1
17	E1612	Washer, battery case to frame clip	...	...	...	1	1	1	1	1

For securing bolt, nut and washer, Toolbox Battery case to rear engine plate, see Rear Mudguard Group, page 68.

DESPATCHING GOODS. Parts being returned to either the Distributor or Triumph Service Department for rectification should be well packed to avoid damage in transit. Cylinder barrels and cylinder heads are extremely vulnerable to breakage of the fins; when casing, pack straw or old newspapers, etc., round the finning to prevent damage due to shock. Advice of despatch should be forwarded to the consignee and the sender **MUST** securely attach a label to the returned parts, clearly stating his name and address.

RECEIVING GOODS. Every possible precaution is taken to ensure that the sender's order has been correctly interpreted and the goods despatched are correct to the invoice. Parts sent in for repair are tested before despatch and are subsequently covered by our guarantee on Page 109. In the event of any shortage or damage in transit, we must be advised within 48 hours of arrival in order that the necessary action can be taken. No claim can be entertained after this period.

BATTERY CARRIER AND TOOLBOX – GROUP 28

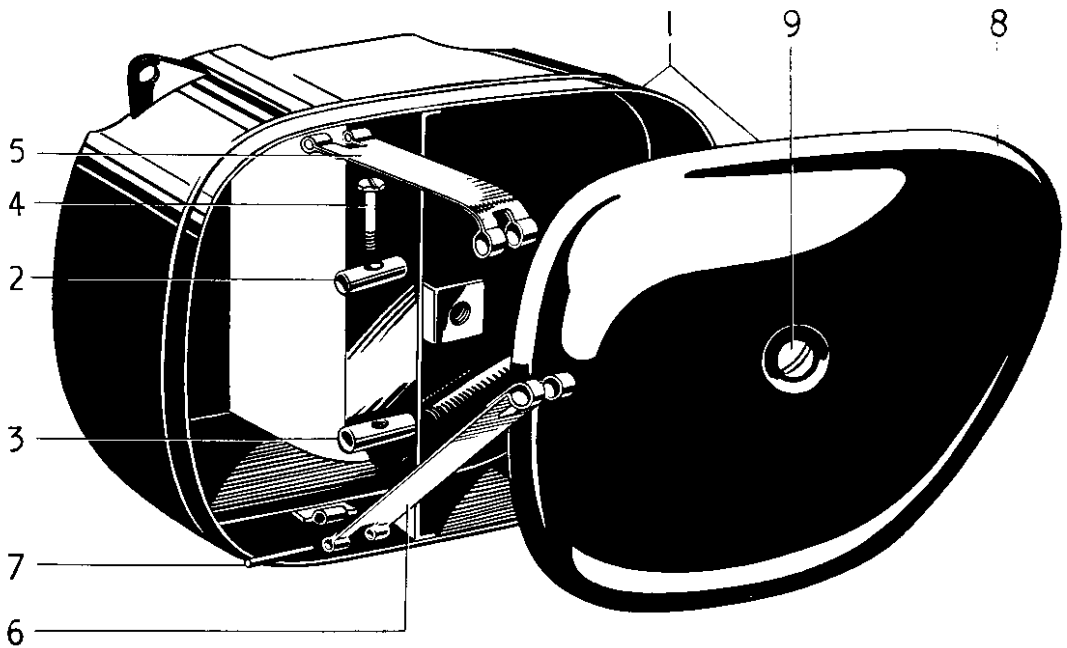


FIG. 27. BATTERY CARRIER AND TOOL BOX

FIG. 27 INDEX

<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	F3870	82	1	6	F1668	82	6
2	E534	82	2	7	F1727	82	7
3	E535	82	3	8	F3874	82	8
4	E536	82	4	9	F3875	82	9
5	F3588	82	5				

GROUP 29 – TOOLKIT

REF. No.	PART No.	DESCRIPTION	5T	6T	TR5	T100	T110
TOOLKIT—GROUP 29							
1	DA312	Toolkit, complete	|	|	|	|	|
2	WA58	Roll, canvas tool	|	|	|	|	|
3	DA72	Spanner, open $\frac{1}{2}$ " \times $\frac{7}{16}$ " whit.	|	|	|	|	|
4	KA50	Spanner, open Spec. \times $\frac{1}{4}$ " whit.	|	|	|	|	|
5	NASS	Spanner, open $\frac{1}{4}$ " \times $\frac{9}{16}$ " whit.	|	|	|	|	|
6	DA16	Spanner, open $\frac{3}{8}$ " \times $\frac{7}{16}$ " whit.	|	|	|	|	|
7	DA5	Spanner, closed .218" \times .338" square	|	|	|	|	|
8	NA65	Spanner, closed .218" \times $\frac{1}{16}$ " whit.	|	|	|	|	|
9	NA66	Spanner, closed $\frac{3}{16}$ " \times $\frac{1}{16}$ " whit.	|	|	|	|	|
10	PA57	Spanner, closed $\frac{1}{2}$ " \times $\frac{9}{16}$ " whit.	|	|	|	|	|
11	DA311	Spanner, closed $\frac{5}{8}$ " \times $\frac{1}{16}$ " whit.	|	|	|	|	|
12	PA56	Spanner, combination	|	|	|	|	|
13	DA313	Spanner, suspension units "C"	|	|	|	|	|
14	PA60	Spanner, box $\frac{1}{4}$ " \times $\frac{5}{16}$ " 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	NA12	Gun, grease	|	|	|	|	|
21	NA14A	Lever, tyre	|	|	|	|	|
22	D336	Screwdriver, Phillips No. 3	|	|	|	|	|
23	PASS	Screwdriver	|	|	|	|	|
24	D49	Inflator, tyre	|	|	|	|	|
25	D220	Spanner, fork cap nut (not included in toolkit)	|	|	|	|	|
26	167	Extractor, chain rivet (not included in toolkit)	|	|	|	|	|
27	Z90	Drive shaft adaptor (not included in tool kit)	|	|	|	|	|

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 29

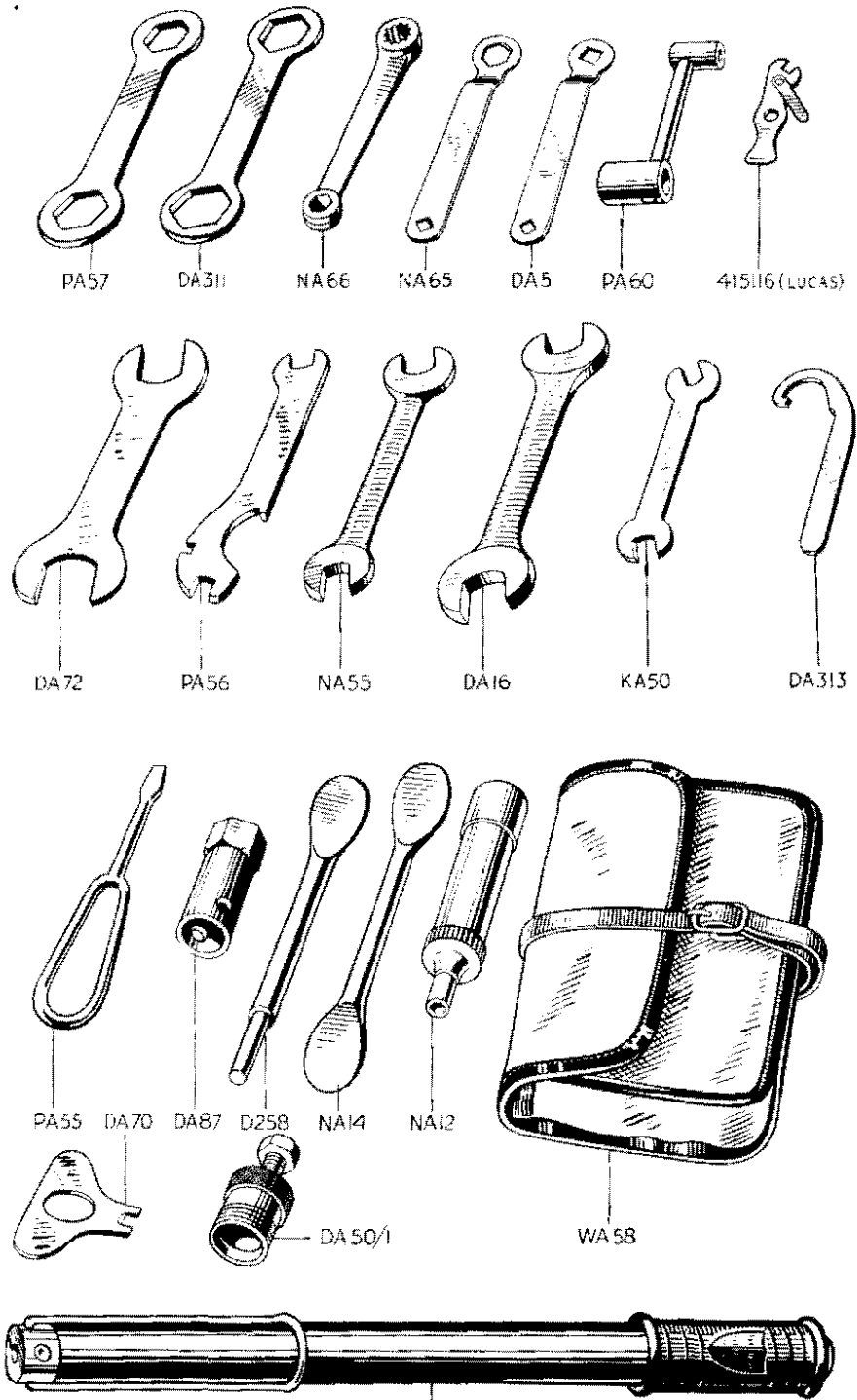


FIG. 28. TOOL KIT

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 -

CARBURETTERS	Messrs. Amal Ltd., Holdford Road, Witton, Birmingham, 6.
	The S.U. Carburetter Co., Ltd., Wood Lane, Erdington, Birmingham, 24.
CHAINS	The Renold and Coventry Chain Co. Ltd., Didsbury, Manchester.
ELECTRICAL EQUIPMENT ...	Messrs. J. Lucas, Ltd., Gt. Hampton Street, Birmingham, 18.
SPARKING PLUGS	Champion Sparking Plug Co. Ltd., Feltham, Middlesex.
SPEEDOMETERS	Messrs. Smiths Motor Accessories Ltd., Cricklewood Works, London, N.W.2.
SUSPENSION UNITS	Messrs. Girling Ltd., Kings Road, Tyseley, Birmingham, 11.
TYRES	Dunlop Rubber Co. Ltd., Fort Dunlop, Birmingham, 24.

AMAL CARBURETTER — GROUP 32

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

AMAL CARBURETTER—GROUP 32

1	376.25	Carburetter complete	|	—	—	—	—
2	376.42	Carburetter complete (U.S. export only)	—	|	—	—	—
3	376.35	Carburetter complete	—	—	|	|	—
4	376.40	Carburetter complete	—	—	—	—	|
5	376.001	Chamber, mixing	|	—	|	|	—
6	376.003	Chamber, mixing	—	|	—	—	|
7	376.107	Top, mixing chamber	|	|	|	|	|
8	376.065	Cap, mixing chamber	|	|	|	|	|
9	4.276	Spring, mixing chamber cap	|	|	|	|	|
10	4.241	Screw, cap spring	|	|	|	|	|
11	376.062	Valve, air	|	|	|	|	|
12	4.046	Spring, air valve	|	|	|	|	|
13	6.047	Guide, air valve	|	|	|	|	|
14	376.060	Valve, throttle (3½ )	|	|	|	|	|
15	376.061	Spring, throttle valve	|	|	|	|	|
16	376.068	Screw, throttle stop	|	|	|	|	|
17	376.069	Spring, throttle stop screw	|	|	|	|	|
18	332.017	Screw, air adjusting	|	|	|	|	|
19	4.148	Spring, air adjusting screw	|	|	|	|	|
20	376.100	Jet, main (200)	|	—	—	—	—
21	376.100	Jet, main (270)	—	|	—	—	—
22	376.100	Jet, main (220)	—	—	|	|	—
23	376.100	Jet, main (250)	—	—	—	—	|
24	376.055	Block, jet	|	—	|	|	—
25	376.057	Block, jet	—	|	—	—	|
26	376.070	Peg, jet block locating	|	|	|	|	|
27	376.067	Washer, jet block	|	|	|	|	|
28	376.073	Holder, main jet	|	|	|	|	|
29	376.074	Washer, main jet holder	|	|	|	|	|
30	376.075	Nut, main jet cover	|	|	|	|	|
31	376.072	Jet, needle (.1065)	|	|	|	|	|
32	376.063	Needle, jet (Type C)	|	|	|	|	|
33	4.230	Clip, jet needle	|	|	|	|	|
34	376.076	Jet, pilot (30)	|	—	—	—	—
35	376.076	Jet, pilot (25)	—	|	|	|	|
36	116.162	Washer, pilot jet cover nut	|	|	|	|	|
37	376.095	Nut, pilot jet cover	|	|	|	|	|
38	4.035	Adjuster, cable	|	|	|	|	|
39	6.132A	Ferrule, cable	|	|	|	|	|
40	376.077	Cover, float chamber	|	|	|	|	|
41	376.078	Washer, float chamber cover joint	|	|	|	|	|
42	376.079	Screw, float chamber cover	3	3	3	3	3
43	376.083	Float	|	|	|	|	|
44	376.085	Spindle, float hinge	|	|	|	|	|
45	376.094	Bush, float spindle	|	|	|	|	|
46	376.089	Needle, valve	|	|	|	|	|
47	376.088	Seating, valve needle	|	|	|	|	|

GROUP 32 – AMAL CARBURETTER

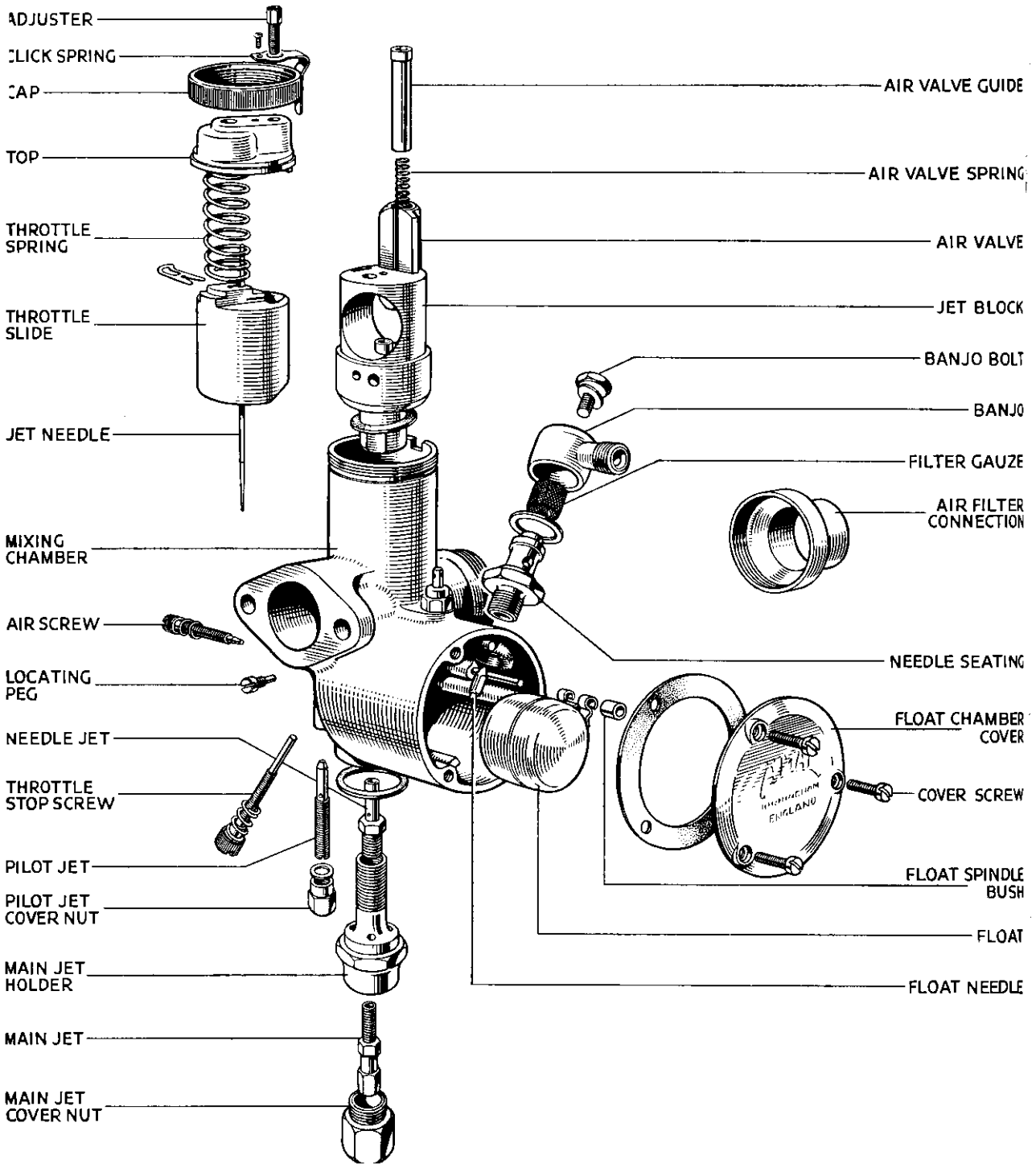


FIG. 30. AMAL CARBURETTER

AMAL CARBURETTER — GROUP 32

REF. No.	PART No.	DESCRIPTION	5T	6T	TR5	T100	T110
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	NA43	Washer, carburetter to manifold ... ..	|	—	—	—	—
11	NA43A	Washer, carburetter to manifold ... ..	—	|	2	2	|
12	E2968	Block, insulating ... ..	—	—	|	|	—
13	E3474	Adaptor, carburetter to air filter ... ..	|	—	—	—	—

S.U. CARBURETTER — GROUP 33
CHAIN — GROUP 34

REF. No.	PART No.	DESCRIPTION	5T	6T	TR5	T100	T110
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	4901,4907	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 34

18	D301	Chain, primary 70L × $\frac{3}{8}$ " × .305"	1	1	1	1	1
19	D304	Chain, rear 100L × $\frac{3}{8}$ " × $\frac{3}{8}$ "	1	—	1	1	—
20	D310	Chain, rear 101L × $\frac{3}{8}$ " × $\frac{3}{8}$ "	—	1	—	—	1
21	110-046/49	Kit, primary chain spare parts	1	1	1	1	1
22	100-056/S9	Kit, rear chain spare parts	1	1	1	1	1

LUCAS LIGHTING AND IGNITION EQUIPMENT – GROUP 35 (DYNAMO AND MAGNETO)

REF. No.	PART No.	DESCRIPTION	5T	6T	TR5	T100	T110
HEADLAMP NACELLE (TYPE MCF700P)							
1	51756	Headlamp assembly	—	—	—	1	1
2	553248	Rim, front	—	—	—	1	1
3	534296	Screw and plate, front rim fixing	—	—	—	1	1
4	516798	Glass and reflector unit	—	—	—	1	1
5	553267	Ring, lamp fixing... ..	—	—	—	1	1
6	859598	Adaptor, bulb	—	—	—	1	1
7	504665	Fixing wire, light unit	—	—	—	6	6
8	312	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 $\frac{1}{2}$ " U/H	—	—	—	2	2
12	H690	Nut, lamp fixing ring screw	—	—	—	2	2
HEADLAMP (TROPHY)							
13	50791A	Headlamp assembly	—	—	—	1	—
14	509484	Rim, lamp... ..	—	—	—	1	—
15	550875	Glass, lamp	—	—	—	1	—
16	553147	Reflector assembly	—	—	—	1	—
17	553065	Bead, rubber joint	—	—	—	1	—
18	500291	Wire, glass fixing	—	—	—	4	—
19	509936	Catch assembly, rim	—	—	—	1	—
20	504801	Holder, main bulb c.w clip and screw	—	—	—	1	—
21	551807	Clip and Screw, bulb holder	—	—	—	1	—
22	186181	Screw, bulb holder clip	—	—	—	1	—
23	500181	Interior, pilot bulb	—	—	—	1	—
24	859260, 809795	Plug and Socket	—	—	—	1	—
25	36084	Ammeter	—	—	—	1	—
26	31315	Switch, light	—	—	—	1	—
27	308312	Panel, instrument	—	—	—	1	—
28	516183	Beading, instrument panel	—	—	—	1	—
29	186130	Screw, instrument panel	—	—	—	4	—
30	188818	Nipple, cable fixing	—	—	—	1	—
31	200	Bulb, pilot 3w	—	—	—	1	—
32	168	Bulb, main 30—30w	—	—	—	1	—
PILOT LAMP (TYPE 517)							
33	52184	Pilot lamp assembly	—	—	—	1	1
34	516556	Rim, lamp... ..	—	—	—	1	1
35	516395	Bead, lamp rubber	—	—	—	1	1
36	516386	Lens, lamp glass	—	—	—	1	1
37	553780	Interior, lamp	—	—	—	1	1
38	516553	Gasket, lamp to nacelle	—	—	—	1	1
39	136231	Screw, rim to lamp body	—	—	—	2	2
40	166014	Nut, lamp body to nacelle	—	—	—	2	2
41	185037	Washer, lamp body to nacelle	—	—	—	2	2
42	988	Bulb, pilot	—	—	—	1	1

GROUP 35 — LUCAS LIGHTING AND IGNITION EQUIPMENT (DYNAMO AND MAGNETO)

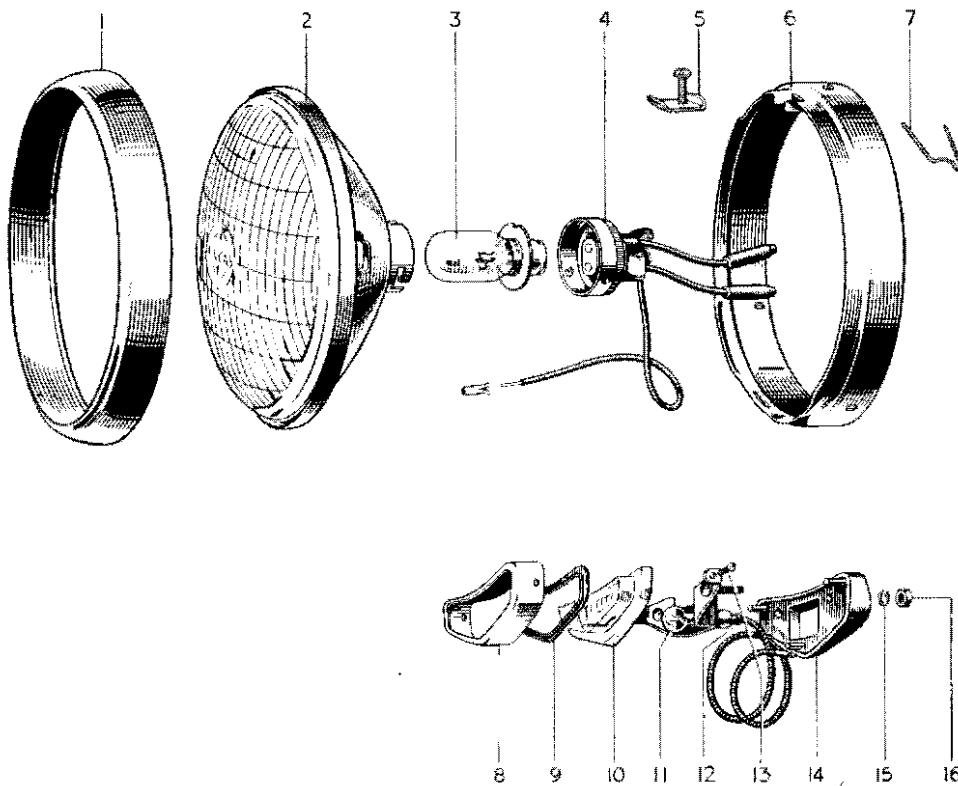


FIG. 32. HEAD AND PILOT LAMP

INDEX FOR DYNAMO CONDITION

Illust. No.	Part No.	Page No.	Ref. No.	Illust. No.	Part No.	Page No.	Ref. No.
1	553248	97	2	9	516395	97	35
2	516798	97	4	10	516386	97	36
3	312	97	8	11	988	97	42
4	859598	97	6	12	553780	97	37
5	534296	97	3	13	136231	97	39
6	553267	97	5	14	516553	97	38
7	504665	97	7	15	185037	97	41
8	516556	97	34	16	166014	97	40

INDEX FOR "AC" CONDITION

Illust. No.	Part No.	Page No.	Ref. No.	Illust. No.	Part No.	Page No.	Ref. No.
1	553248	105	13	9	516395	105	26
2	516798	105	15	10	516386	105	27
3	312	105	19	11	988	105	33
4	859598	105	17	12	553780	105	28
5	534296	105	14	13	136231	105	30
6	553267	105	16	14	516553	105	29
7	504665	105	18	15	185037	105	32
8	516556	105	25	16	166014	105	31

LUCAS LIGHTING AND IGNITION EQUIPMENT — GROUP 35 (DYNAMO AND MAGNETO)

REF. No.	PART No.	DESCRIPTION	5T	6T	TR5	T100	T110
TAIL LAMP (STOP LIGHT PATTERN WITH INTEGRAL REFLECTORS) TYPE 564							
1	53432A	Stop and tail lamp	—	—	1	1	1
2	573839	Lens	—	—	1	1	1
3	575200	Window	—	—	1	1	1
4	575208	Gasket, lens seating	—	—	1	1	1
5	552928	Screw, lens retaining	—	—	2	2	2
6	575212	Base assembly	—	—	1	1	1
7	575209	Bulbholder assembly	—	—	1	1	1
8	575207	Grommet, bulbholder	—	—	1	1	1
9	573828	Contact assembly	—	—	1	1	1
10	573825	Grommet, cable	—	—	1	1	1
11	384	Bulb 6 $\frac{1}{8}$ w off set pin	—	—	1	1	1
12	31383	Switch, stop lamp	—	—	1	1	1
13	H687	Screw, switch fixing $\frac{3}{4}$ " U.H.	—	—	2	2	2
14	GS299	Washer, fixing screw	—	—	2	2	2
WIRING HARNESS							
15	836381	Wiring harness	—	—	—	1	1
16	860613	Lead, dipper switch (Home)	—	—	—	1	1
17	860614	Lead, dipper switch (Export)	—	—	—	1	1
18	994511	Harness assembly	—	—	—	1	—
19	990521	Harness, dynamo to regulator	—	—	—	1	—
20	858020	Harness, horn and cut-out button	—	—	—	1	—
21	835395	Lead, twin stop; tail lamp	—	—	—	1	1
NACELLE INSTRUMENT PANEL							
22	31371B	Switch, lighting	—	—	—	1	1
23	351567	Lever and screw, switch	—	—	—	1	1
24	36129A	Ammeter	—	—	—	1	1
25	31071B	Button, cut-out	—	—	—	1	1
HANDLEBAR SWITCHES AND PUSHBUTTONS							
26	31405A	Switch, dipper	—	—	—	1	1
27	31482	Switch, dipper	—	—	—	1	—
28	H689	Screw, switch to lever clamp $\frac{1}{2}$ " U.H.	—	—	—	2	2
29	76200A	Button, horn push	—	—	—	1	1
30	76210A	Button, cut out	—	—	—	1	—
BATTERY (TYPE PU7E-9)							
31	PU7E-9	Battery	—	—	—	1	1
32	4179504	Plug, vent	—	—	—	3	3
33	4189048	Connection, battery lead "—"	—	—	—	1	1
34	4189040	Connection, battery lead "+"	—	—	—	1	1
35	4188743	Socket, connection "+"	—	—	—	1	1
36	4188744	Socket, connection "—"	—	—	—	1	1

LUCAS LIGHTING AND IGNITION EQUIPMENT – GROUP 35 (DYNAMO AND MAGNETO)

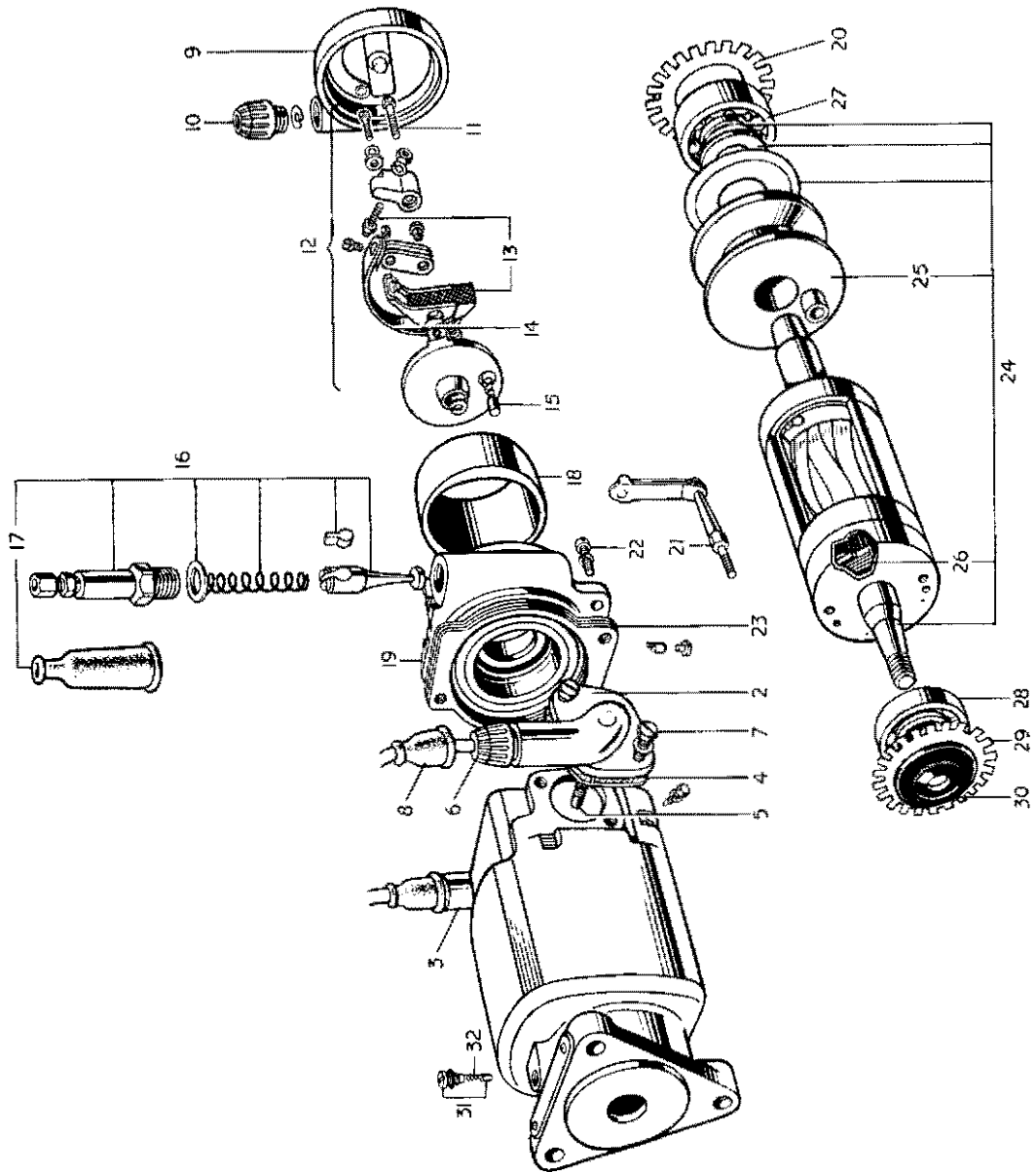


FIG. 33. LUCAS MAGNETO

**LUCAS LIGHTING AND IGNITION EQUIPMENT – GROUP 35
(DYNAMO AND MAGNETO)**

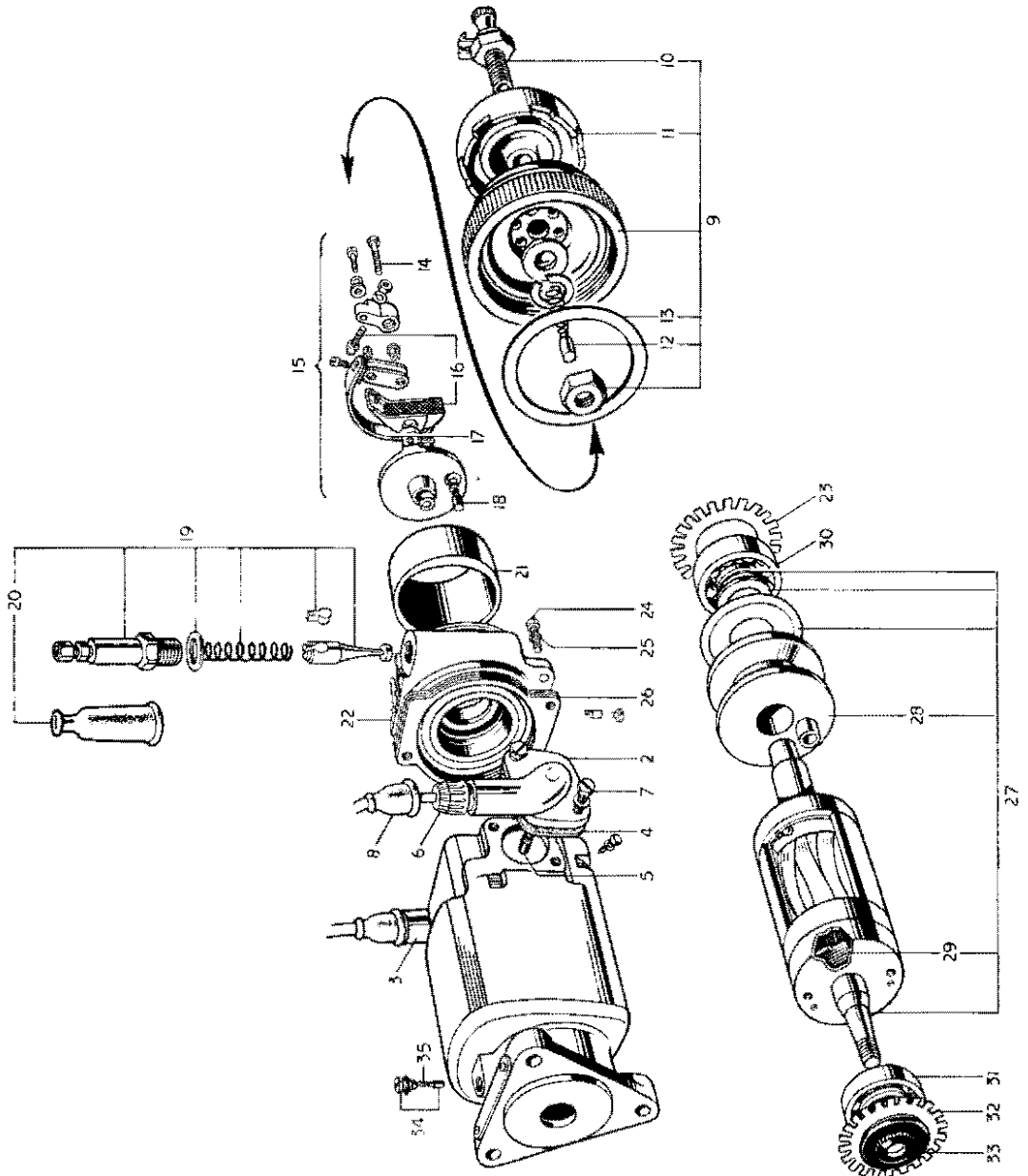


FIG. 34. LUCAS MAGNETO

LUCAS LIGHTING AND IGNITION EQUIPMENT (ALTERNATOR) – GROUP 36

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

HEADLAMP NACELLE (TYPE MCF700P)

12	51756	Headlamp assembly	1	1	—	—	—
13	553248	Rim, front	1	1	—	—	—
14	534296	Screw and plate, front rim fixing	1	1	—	—	—
15	516798	Glass and reflector unit	1	1	—	—	—
16	553267	Ring, lamp fixing	1	1	—	—	—
17	859598	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	H689	Screw, lamp fixing ring $\frac{1}{2}$ " U.H.	2	2	—	—	—
23	H690	Nut, lamp fixing ring screw	2	2	—	—	—

PILOT LAMP (TYPE 517)

24	52184A	Pilot lamp assembly	1	1	—	—	—
25	516556	Rim, lamp	1	1	—	—	—
26	516395	Bead, lamp rubber	1	1	—	—	—
27	516386	Lens, lamp glass	1	1	—	—	—
28	553780	Interior, lamp	1	1	—	—	—
29	516553	Gasket, lamp to nacelle	1	1	—	—	—
30	136231	Screw, rim to lamp body	2	2	—	—	—
31	166014	Nut, lamp body to nacelle	2	2	—	—	—
32	185037	Washer, lamp body to nacelle	2	2	—	—	—
33	988	Bulb, pilot	1	1	—	—	—

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

34	53432A	Stop and tail lamp	1	1	—	—	—
35	573839	Lens	1	1	—	—	—
36	575200	Window	1	1	—	—	—
37	575208	Gasket, lens seating	1	1	—	—	—
38	552928	Screw, lens retaining	2	2	—	—	—
39	575212	Base assembly	1	1	—	—	—

GROUP 36 – LUCAS LIGHTING AND IGNITION EQUIPMENT (ALTERNATOR)

REF. No.	PART No.	DESCRIPTION	5T	6T	TR5	T100	T110
1	575209	Bulbholder assembly	1	1	—	—	—
2	575207	Grommet, bulbholder	1	1	—	—	—
3	573828	Contact assembly	1	1	—	—	—
4	573825	Grommet, cable	1	1	—	—	—
5	384	Bulb 3/18W, offset pin	1	1	—	—	—
6	31383	Switch, stop lamp	1	1	—	—	—
7	H687	Screw, switch fixing $\frac{3}{16}$ " U.H.	2	2	—	—	—
8	G5299	Washer, fixing screw	2	2	—	—	—
WIRING HARNESS							
9	837141	Harness, wiring (Home and Export)	1	1	—	—	—
10	861542	Lead, dipper switch (Home)	1	1	—	—	—
11	861543	Lead, dipper switch (Export)	1	1	—	—	—
12	835395	Lead, twin stop/tail lamp	1	1	—	—	—
13	414965	Grommet, H.T. Coil and Distributor lead	2	2	—	—	—
14	236741	Grommet, L.T. Coil lead	2	2	—	—	—
15	458658	Grommet, Distributor plug leads	2	2	—	—	—
NACELLE INSTRUMENT PANEL							
16	31443B	Switch, lighting and ignition	1	1	—	—	—
17	318341	Key, ignition	1	1	—	—	—
18	36189A	Ammeter	1	1	—	—	—
HANDLEBAR SWITCHES AND PUSH BUTTONS							
19	31405A	Switch, dipper	1	1	—	—	—
20	H689	Screw, switch to lever clamp $\frac{1}{8}$ " U.H.	2	2	—	—	—
21	76200A	Button, horn push	1	1	—	—	—
HORN							
22	70048A	Horn, complete	1	1	—	—	—
23	701851	Bracket, horn	2	2	—	—	—
24	700920	Bracket, horn angle	1	1	—	—	—
25	142689	Screw, horn bracket	2	2	—	—	—
26	185051	Washer, horn bracket	2	2	—	—	—
27	D557	Bolt, horn bracket to lug $\frac{3}{16}$ " U.H.	2	2	—	—	—
28	S26-2	Washer, horn bracket to lug	2	2	—	—	—
BATTERY (TYPE PU7E-9)							
29	PU7E-9	Battery	1	1	—	—	—
30	4179504	Plug, vent	3	3	—	—	—
31	4189048	Connection, battery lead "+ "	1	1	—	—	—
32	4189040	Connection, battery lead "- "	1	1	—	—	—
33	4188743	Socket, connection "+ "	1	1	—	—	—
34	4188744	Socket, connection "- "	1	1	—	—	—

GUARANTEE

WE give the following guarantee with our motor cycles, motor cycle combinations and sidecars including all accessories and component parts other than tyres, saddles, chains and lighting and electrical equipment, and other than accessories and component parts supplied to the order of the Purchaser and differing from those comprised in the standard specifications supplied with our motor cycles, motor cycle combinations and sidecars, but including accessories and parts supplied by way of exchange as hereinafter provided. 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 accessory or 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 or accessory in exchange for the part of the motor cycle, motor cycle combination or side car or accessory which may have proved defective. We undertake, subject to the conditions mentioned below, to make good in manner aforesaid any part or accessory covered by this guarantee which has proved defective within the said period of six months. We do not undertake to replace or refix, or bear the cost of replacing or refixing any such new part or accessory 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 tyres, saddles, chains or lighting and electrical equipment, 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 tyres, saddles, chains, lighting and electrical equipment, accessories and 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 or accessory should be found in our motor cycles, motor cycle combinations or sidecars, or in any part or accessory 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 Engine number of the machine, the date of purchase or the date when the alleged defective part or accessory 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.

INDEX

	Page No.
Group 1—CARTON PACKS	9
Group 2—ENGINE	16
Connecting rods	28
Crankcase	28
Crankcase bearings	29
Crankcase breather	31
Crankcase oil filter	29
Crankshaft and flywheel assembly	28
Cylinder block	16
Cylinder head	16
Inlet manifold	16
Engine sprocket	32
Oil pump	29
Oil release valve	30
Overhead rocker gear	31
Pistons, rings, etc.	18
Push rods	31
Push rod cover tube	31
Rocker oil feed and drain pipes	32
Studs and bolts for crankcase halves	29
Tappet and tappet blocks	31
Timing cover	30
Timing gear and camshafts	30
Valves, guides and springs	18
Group 3—GASKET SET	32
Group 4—GEARBOX	33
Clutch and shock absorber	38
Clutch control	39
Gear control (enclosed footchange)	37
Gear control (selector mechanism)	37
Gearbox casing	33
Gearbox fittings	33
Gearbox shell bearings	36
Gearbox sprocket	38
Kickstarter	37
Shafts and gears	36
Group 5—WIDE RATIO GEAR GROUP	40
Group 6—STANDARD RATIO GEAR GROUP	40
Group 7—CLOSE RATIO GEAR GROUP	40
R.P.M. and gear ratio charts	41
Group 8—EXHAUST SYSTEM	42

	Page No.
Group 9—FRAME	44
Front portion	44
Rear portion	45
Swinging Fork	45
Group 10—TORQUE STAY	45
Group 11—CRANKCASE UNDERSHIELD	45
Group 12—ENGINE PLATE	50
Group 13—STAND	50
Front stand	50
Centre stand	51
Prop stand	51
Group 14—TELESCOPIC FORK	51
Group 15—FRONT WHEEL	57
Group 16—REAR WHEEL	62
Group 17—REAR WHEEL (Quickly detachable)	65
Group 18—MUDGUARD	66
Front mudguard	66
Front valanced mudguard	68
Rear mudguard	68
Licence holder	68
Group 19—NUMBER PLATE	69
Group 20—TANKS	69
Parcel grid	72
Petrol tank	69
Oil tank	72
Group 21—CHAINGUARD	72
Group 22—PRIMARY CHAINCASE	74
Group 23—HANDLEBARS	76
Air control	78
Clutch control	78
Front brake control	78
Handlebar	76
Throttle control	76
Magneto control	78
Group 24—CONTROL CABLES	79
Air cable	80
Clutch cable	79
Front brake cable	79
Ignition cable	80
Throttle cable	79

	Page No.
Group 25—HANDLEBARS (U.S.A. and Canadian pattern)	80
Group 26—REAR BRAKE CONTROL	81
Group 27—FOOTRESTS	81
Group 28—BATTERY CARRIER AND TOOLBOX	82
Group 29—TOOLKIT	84
Group 30—AIR FILTER	86
Group 31—LEGSHIELDS	87
PROPRIETARY FITTINGS	88
Group 32—AMAL CARBURETTER	89
Group 33—S.U. CARBURETTER	92
Group 34—CHAINS	95
Group 35—LUCAS LIGHTING AND IGNITION EQUIPMENT (Dynamo and Magneto) ...	96
Battery	99
Cut-out and regulator unit	96
Dynamo	96
Handlebar switches and push buttons	99
Headlamp—nacelle type	97
Headlamp—trophy	97
Horn	100
Magneto	100
Magneto (Wader type)	102
Nacelle instrument panel	99
Pilot lamp	97
Tail lamp (stop lamp)	99
Wiring harness	99
Group 36—LUCAS LIGHTING AND IGNITION EQUIPMENT (RM 14 Alternator) ...	104
Alternator	104
Battery	106
Distributor	104
Handlebar switches and push buttons	106
Headlamp—Nacelle type	105
Horn	106
Ignition coil	104
Nacelle instrument panel	106
Pilot lamp	105
Rectifier	104
Tail lamp (stop lamp)	105
Wiring harness	106

	Page No.
Group 37—TWINSEAT	107
Group 38—SPARKING PLUGS	107
Group 39—SPEEDOMETER	107
Group 40—SUSPENSION UNITS (GIRLING)	108

ILLUSTRATION INDEX

	Page No.
Fig. 1 Inlet Manifold	17
„ 2 Engine 5T, crankcase, cylinder block and head	20
„ 3 Engine 5T, crankshaft, connecting rods, pistons, timing gear	20
„ 4 Engine 6T, crankcase, cylinder block and head	22
„ 5 Engine 6T, crankshaft, connecting rods, pistons, timing gear	22
„ 6 Engine TR5 and T100, crankcase, cylinder block and head	24
„ 7 Engine TR5 and T100, crankshaft, connecting rods, pistons, timing gear	24
„ 8 Engine T110, crankcase, cylinder block and head	26
„ 9 Engine T110, crankshaft, connecting rods, pistons, timing gear	26
„ 10 Gearbox	34
„ 11 Clutch	39
„ 12 Exhaust pipes and silencers	43
„ 13 Frame and components	46
„ 14 Engine plate and frame studs, bolts and washers	48
„ 15 Girling suspension units	49
„ 16 Telescopic fork 5T, 6T, T100 and T110	52
„ 17 Telescopic fork TR5	54
„ 18 Front wheel arrangement 5T, 6T and TR5	58
„ 19 Front wheel arrangement T100 and T110	60
„ 20 Rear wheel	63
„ 21 Rear wheel (Quickly detachable)	64
„ 22 Mudguards	67
„ 23 Petrol tank and fittings	70
„ 24 Oil tank	73
„ 25 Primary chaincase	75
„ 26 Handlebars and controls	77
„ 27 Battery carrier and toolbox	83
„ 28 Toolkit	85
„ 29 Air Filter	87
„ 30 Carburettor components (Amal)	90
„ 31 Carburettor components (S.U.)	93
„ 32 Headlamp, nacelle pattern	98
„ 33 Lucas Magneto	101
„ 34 Lucas Magneto	103

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 20.
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 21.
4. Note that No. 4 is part number GE29, listed on page 19, 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.

A 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 20.
2. Noter qu'à côté du segment racleur se trouve le numéro 4.
3. Se référer à l'index donné sur la page numéro 21.
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—19.
 - (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 20 befindet.
2. Die Illustration zeigt als nummer des Abstreifringes 4
3. Der hierzu in Frage kommende Index befindet sich auf Seite 21.
4. No. 4 (Nummer des Abstreifringes) traegt Teilnummer G.E. 29, aufgefuehrt auf Seite 19, 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 indice 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 20.
2. Nótese que el número del segmento en la ilustración es 4.
3. Referirse al índice de la ilustración en cuestión en la página 21.
4. Note que No. 4 es pieza número GE29 en la lista de la página 19 línea de referencia No. 19.