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REPLACEMENT PARTS

FOR

TRIUMPH

MOTORCYCLES

COMMENCING
ENGINE No.
70930

SEPTEMBER, 1955

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

TRIUMPH ENGINEERING COMPANY, LIMITED
MERIDEN WORKS, ALLESLEY
COVENTRY

Telegrams (for Spares)
"Trusty, Coventry"

Telephone
Meriden 331

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

25/6/56

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

Engine No. 5T-200000

Please supply :—

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

*Send C.O.D.

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

**For terms of business see page 3.*

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

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

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

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

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

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

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

TERMS OF BUSINESS

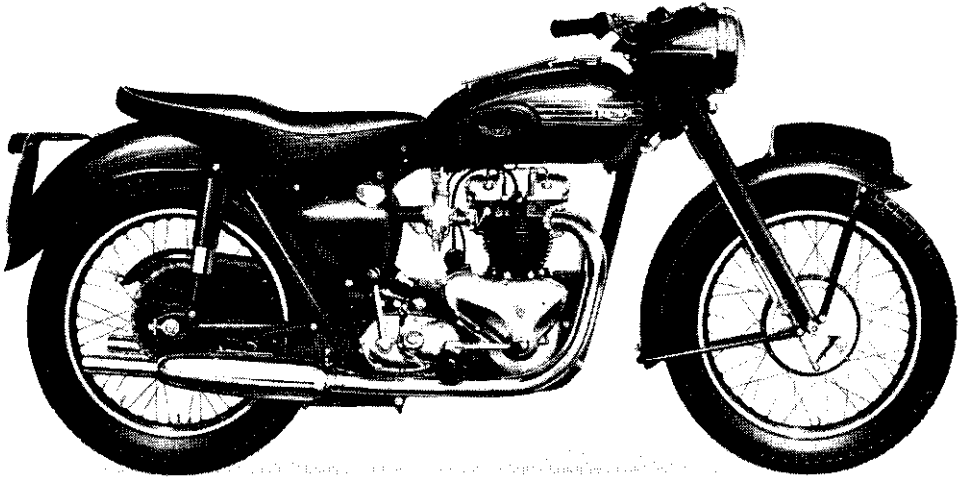
THE most convenient method of paying for Spare Parts is by the C.O.D. system. By this method you pay the postman for the goods when he delivers them to you. As the minimum C.O.D. collection fee is 10d., only goods to the value of 2/- and over can be sent by this system. We do not despatch goods by rail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

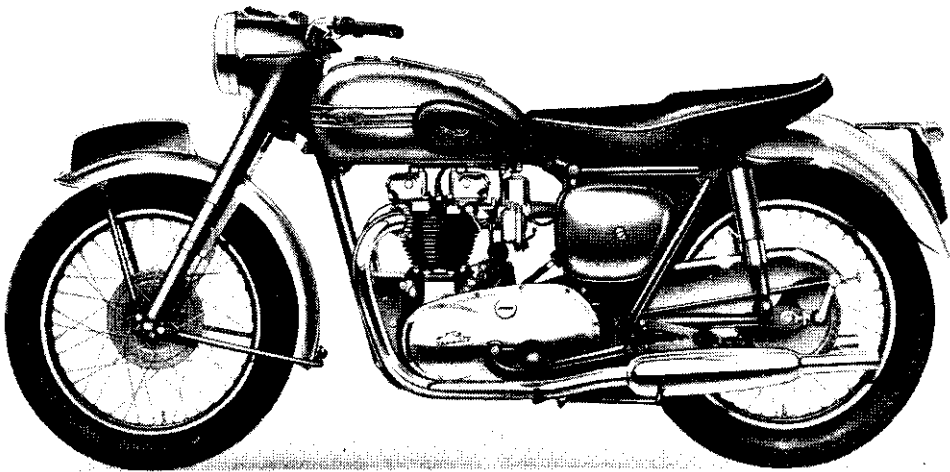
Should a remittance be forwarded by telegraphic money order, the name and address of the sender must be inserted in the space provided on the Post Office requisition form for a private message from remitter to payee. Unless this is complied with the Post Office omit such information from the telegram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

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

SPEED TWIN (5T)



THUNDERBIRD (6T)



SPEED TWIN (5T)

SPECIFICATION

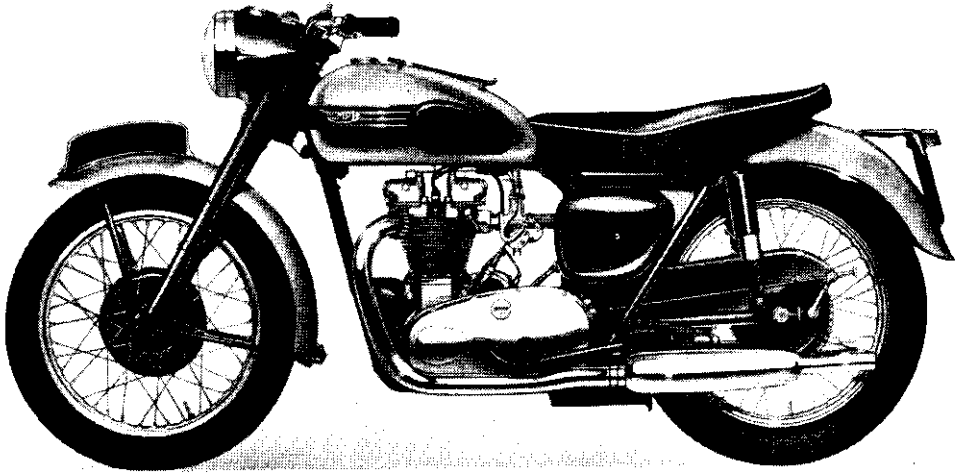
<p>Bore and stroke, mm.63×80 ins. ... 2.48×3.15</p> <p>Cylinder capacity c/cm (cu. ins.) ... 498 (30.5)</p> <p>Compression ratio 7 : 1</p> <p>Engine sprocket 22</p> <p>Carburetter main jet (Amal) ... 200</p> <p>Carburetter pilot jet (Amal) ... 30</p> <p>Carburetter slide (Amal) ...376:3½</p> <p>Carburetter 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)</p> <p>Scraper— ins. (mm.)007-.011 (.18-.28)</p> <p>Petrol tank, gallons (litres) ... 4 (18)</p> <p>Oil tank, pints (litres) 5 (3)</p> <p>Weight lbs. (dry) (kilos)... 390 (173)</p>
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THUNDERBIRD (6T)

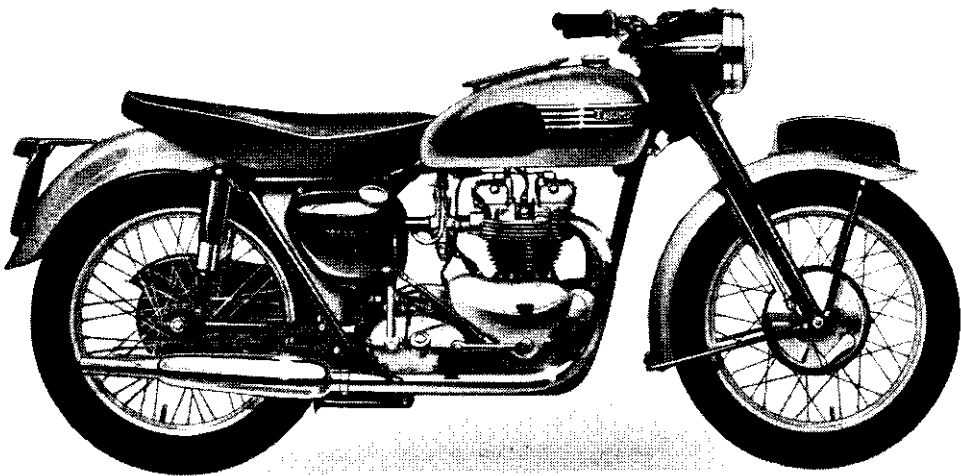
SPECIFICATION

<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 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>Petrol tank, gallons (litres) ... 4 (18)</p> <p>Oil tank, pints (litres) 5 (3)</p> <p>Weight, lbs. (dry) (kilos) 385 (175)</p>
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TIGER 100 (T100)



TIGER 110 (T110)



TIGER 100 (T100)

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, solo ...	22	Scraper—	
Carburetter main jet (Amal) ...	220	ins. (mm.) ...	.007-.011 (.18-.28)
Carburetter pilot jet (Amal) ...	25	Petrol tank, gallons (litres) ...	4 (18)
Carburetter slide (Amal) ...	376/3 $\frac{1}{2}$	Oil tank, pints (litres) ...	5 (3)
Carburetter needle jet (Amal) ...	.1065	Weight lbs. (dry) (kilos)	375 (170)
Tappet clearance, cold			
ins. (mm.) ...	.010 (.26)		

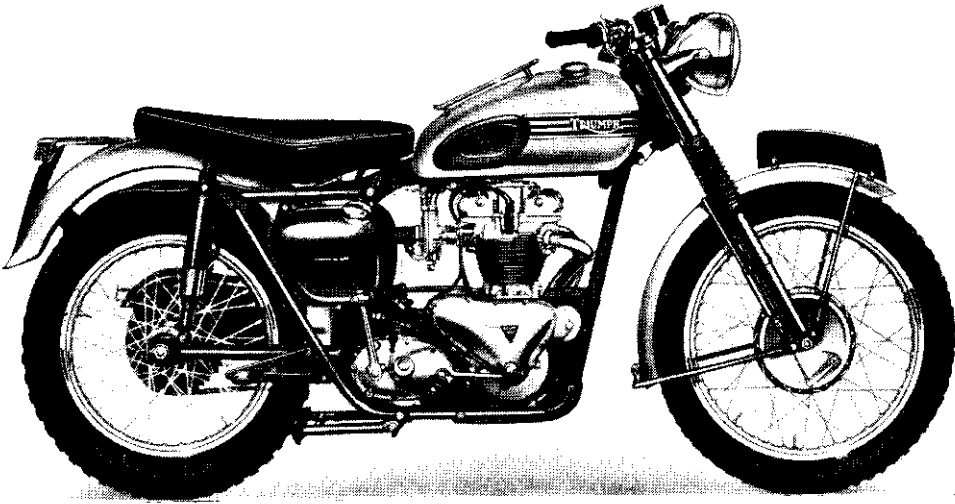
TIGER 110 (T110)

SPECIFICATION

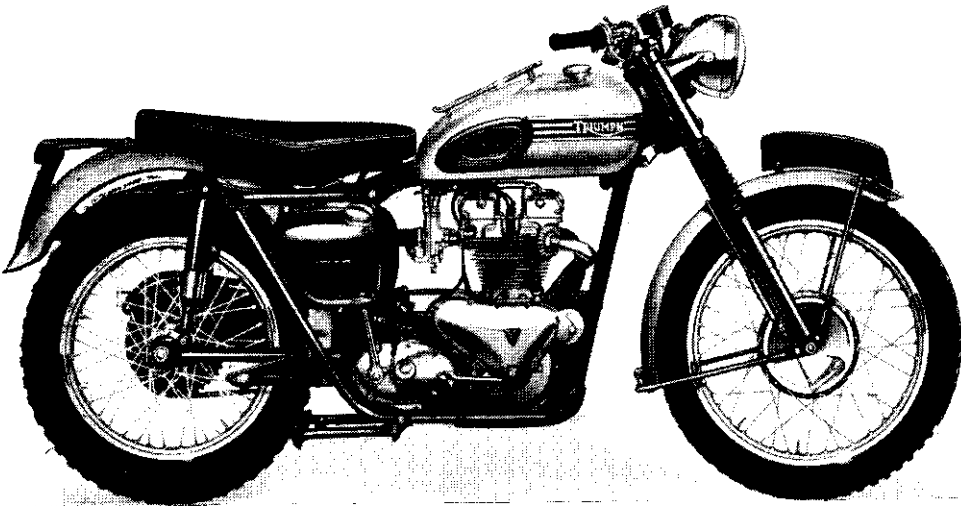
Bore and stroke, mm. ...	...71 × 82	Tappet clearance, cold ...	.004 ex (.10)
ins. ...	2.79 × 3.23	ins. (mm.) ...	.002 in. (.05)
Cylinder capacity		Ignition, fully advanced	
c/cm. (cu. ins.) ...	649 (40)	ins. (mm.) ...	$\frac{3}{8}$ (9.2) B.T.D.C.
Compression ratio ...	8.5 : 1	Piston ring gap (Compression and	
Engine sprocket, solo ...	24	Scraper) ins. (mm.)	.010-.014 (.25-.35)
Carburetter main jet (Amal) ...	*250	Petrol tank, gallons (litres) ...	4 (18)
Carburetter pilot jet (Amal) ...	25	Oil tank, pints (litres) ...	5 (3)
Carburetter slide (Amal) ...	376/3 $\frac{1}{2}$	Weight lbs. (dry) (kilos)	395 (179)
Carburetter needle jet (Amal) ...	.1065		

*270 without air filter

TROPHY (TR5)



TROPHY (TR6)



TROPHY (TR5)

SPECIFICATION

Bore and stroke, mm. ...	... 63 × 80	Tappet clearance, cold	
ins. ...	2.48 × 3.15	ins. (mm.) ...	Inlet .002 (0.10)
Cylinder capacity			Exhaust .004 (0.05)
c./cm. (cu. ins.) ...	498 (30.5)	Ignition, fully advanced	
Compression ratio ...	8 : 1	ins. (mm.) ...	$\frac{15}{32}$ (12) B.T.D.C.
Engine sprocket ...	21	Piston ring gap	
Carburetter main jet (Amal) ...	220	Compression—	
Carburetter pilot jet (Amal) ...	25	ins. (mm.) ...	.010-.014 (.25-.35)
Carburetter slide (Amal) ...	376/3½	Scraper—	
Carburetter needle jet (Amal) ...	.1065	ins. (mm.) ...	.007-.011 (.18-.28)
		Petrol tank, gallons (litres)	3 (13.5)
		Oil tank, pints (litres) ...	5 (3)
		Weight lbs. (dry) (kilos)	365 (166)

TROPHY (TR6)

SPECIFICATION

Bore and stroke, mm. ...	... 71 × 82	Tappet clearance, cold ...	.004 ex (.10)
ins. ...	2.79 × 3.23	ins. (mm.) ...	.002 in. (.05)
Cylinder capacity		Ignition, fully advanced	
c./cm. (cu. ins.) ...	649 (40)	ins. (mm.) ...	$\frac{33}{32}$ (9.2) B.T.D.C.
Compression ratio ...	8.5 : 1	Piston ring gap (Compression and	
Engine sprocket, solo ...	24	Scraper) ins. (mm.)	.010-.014 (.25-.35)
Carburetter main jet (Amal) ...	*250	Petrol tank, gallons (litres)	4 (18)
Carburetter pilot jet (Amal) ...	25	Oil tank, pints (litres) ...	5 (3)
Carburetter slide (Amal) ...	376/3½	Weight lbs. (dry) (kilos)	370 (168)
Carburetter needle jet (Amal) ...	.1065		

* 270 without air filter

CARTON PACK COMPONENT LIST—GROUP I

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

PART No.	DESCRIPTION AND CONTENTS
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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
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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

CARTON PACK – GROUP I

PART No.

DESCRIPTION AND CONTENTS

Gear, Close Ratio

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

Kickstarter Ratchet Gear

CP.27	...	...	|	...	T.730	...	...	Pinion, kickstarter
			|	...	T.731	...	...	Ratchet, kickstart
			|	...	T.1250	...	...	Spring, ratchet
			|	...	T.1338	...	...	Sleeve
			|	...	T.732	...	...	Lockwasher

Pistons 500 c.c. Models

CP.109	...	...	|	...	E.3052	...	...	Piston, CR. 5 : 1
					E.656	...	...	Ring, first compression
					E.3048	...	...	Ring, second compression (Taper)
					GE.29	...	...	Ring, scraper
					WE.203E	...	...	Pin, gudgeon
2	...	...	|	...	WE.479	...	...	Circlip
CP.109/20	...	...	|	...	E.3052/20	...	...	Piston, -.020", CR. 5 : 1
					E.656/20	...	...	Ring, first compression
					E.3048/20	...	...	Ring, second compression (Taper)
					GE.29/20	...	...	Ring, scraper
					WE.203E...	...	...	Pin, gudgeon
|	...	...	|	...	WE.479	...	...	Circlip
CP.37	...	...	|	...	E.1969	...	...	Piston, CR. 6 : 1
					E.656	...	...	Ring, first compression
					E.3048	...	...	Ring, second compression (Taper)
					GE.29	...	...	Ring, scraper
					WE.203E...	...	...	Pin, gudgeon
|	...	...	|	...	WE.479	...	...	Circlip
CP.37/10	...	...	|	...	E.1969/10	...	...	Piston, +.010", CR. 6 : 1
					E.656/10	...	...	Ring, first compression
					E.3048/10	...	...	Ring, second compression (Taper)
					GE.29/10...	...	...	Ring, scraper
					WE.203E...	...	...	Pin, gudgeon
|	...	...	|	...	WE.479	...	...	Circlip

GROUP I – CARTON PACK

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

CARTON PACK – GROUP I

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

GROUP I - CARTON PACK

PART No.	DESCRIPTION AND CONTENTS					
CP.133	...	1	...	E.2489	...	Piston, CR. 8.5 : 1
		1	...	E.3380	...	Ring, first compression (Chrome)
		1	...	E.656	...	Ring, second compression
		1	...	GE.29	...	Ring, scraper
		1	...	WE.203E...	...	Pin, gudgeon
	2	...	WE.479	...	Circlip	
CP.133/10	...	1	...	E.2489/10	...	Piston, -.010", CR. 8.5 : 1
		1	...	E.3380/10	...	Ring, first compression (Chrome)
		1	...	E.656/10	...	Ring, second compression
		1	...	GE.29/10...	...	Ring, scraper
		1	...	WE.203E...	...	Pin, gudgeon
	2	...	WE.479	...	Circlip	
CP.133/20	...	1	...	E.2489/20	...	Piston, +.020" CR. 8.5 : 1
		1	...	E.3380/20	...	Ring, first compression (Chrome)
		1	...	E.656/20	...	Ring, second compression
		1	...	GE.29/20...	...	Ring, scraper
		1	...	WE.203E...	...	Pin, gudgeon
	2	...	WE.479	...	Circlip	
CP.161	...	1	...	E.3615	...	Piston, CR. 9 : 1
		1	...	E.3380	...	Ring, first compression (Chrome)
		1	...	E.656	...	Ring, second compression
		1	...	GE.29	...	Ring, scraper
		1	...	WE.203E...	...	Pin, gudgeon
	2	...	WE.479	...	Circlip	
CP.161/20	...	1	...	E.3615/20	...	Piston, +.020", CR.9 : 1
		1	...	E.3380/20	...	Ring, first compression (Chrome)
		1	...	E.656/20	...	Ring, second compression
		1	...	GE.29/20...	...	Ring, scraper
		1	...	WE.203E...	...	Pin, gudgeon
	2	...	WE.479	...	Circlip	
CP.134	...	1	...	E.2884	...	Piston, CR. 9.5 : 1
		1	...	E.3380	...	Ring, compression First (Chrome)
		1	...	E.656	...	Ring, second compression
		1	...	GE.29	...	Ring, scraper
		1	...	WE.203E...	...	Pin, gudgeon
	2	...	WE.479	...	Circlip	
CP.132	...	1	...	E.2671	...	Piston CR. 12 : 1
		1	...	E.3380	...	Ring, first compression (Taper)
		1	...	E.656	...	Ring, second compression
		1	...	GE.29	...	Ring, scraper
		1	...	WE.203E...	...	Pin, gudgeon
	2	...	WE.479	...	Circlip	

CARTON PACK — GROUP I

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

GROUP I — CARTON PACK

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

CARTON PACK – GROUP I

PART No. DESCRIPTION AND CONTENTS

Piston Rings 650 c.c. Models

CP.99	2	E.2897	Ring, first compression
	2	E.3049	Ring, second compression (Taper)
	2	E.2898	Ring, scraper
CP.99/10	2	E.2897/10	Ring, first compression
	2	E.3049/10	Ring, second compression (Taper)
	2	E.2898/10	Ring, scraper
CP.99/20	2	E.2897/20	Ring, first compression
	2	E.3049/20	Ring, second compression (Taper)
	2	E.2898/20	Ring, scraper
CP.138	2	E.3381	Ring, first compression (Chrome)
	2	E.2897	Ring, second compression
	2	E.2898	Ring, scraper
CP.138/10	2	E.3381/10	Ring, first compression (Chrome)
	2	E.2897/10	Ring, second compression
	2	E.2898/10	Ring, scraper
CP.138/20	2	E.3381/20	Ring, first compression (Chrome)
	2	E.2897/20	Ring, second compression
	2	E.2898/20	Ring, scraper.

Valves

CP.6 (5T)	2	E.1955	Valve, inlet
	2	E.1956	Valve, exhaust
CP.96 (6T)	2	E.2903	Valve, inlet
	2	E.2904	Valve, exhaust
CP.103 (T100, TR5)	2	E.2969	Valve, inlet
	2	E.1956	Valve, exhaust
CP.146 (T110, TR6)	2	E.3310	Valve, inlet
	2	E.2904	Valve, exhaust

GROUP I – CARTON PACK

PART No. DESCRIPTION AND CONTENTS

Valve Guides

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

Valve Springs

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

Steering Races

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

Sidecar Machine Jack

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

SPECIAL NOTE

TI10 and TR6 models subsequent to Engine No. 80598 are fitted with :—

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

REPLACEMENT PARTS

REF. No.	PART No.	DESCRIPTION	5T	6T	TR5	T109/T110	TR6
----------	----------	-------------	----	----	-----	-----------	-----

ENGINE—GROUP 2

CYLINDER BLOCK

1	E3525	Block, cylinder	1	—	—	—	—
2	E3332	Block, cylinder	—	1	—	—	1
3	E3591	Block, cylinder	—	—	1	1	—
4	E3332 TR6	Block, cylinder	—	—	—	—	1
5	E2249	Washer, cylinder base	—	—	1	1	—
6	E2894	Washer, cylinder base	1	1	—	—	1

CYLINDER HEAD

7	E2928	Head, cylinder c/w guides	1	—	—	—	—
8	E2896	Head, cylinder c/w guides	—	1	—	—	—
9	E3593	Head, cylinder c/w guides	—	—	1	1	—
10	*E3608	Head, cylinder c/w guides	—	—	—	—	1
11	E2961	Adaptor, exhaust pipe	—	—	2	2	—
12	E3583	Adaptor, exhaust pipe	—	—	—	—	2
13	E2248	Gasket, cylinder head	1	—	—	—	—
14	E3614	Gasket, cylinder head	—	1	—	—	1
15	E3003	Gasket, cylinder head	—	—	1	1	—
16	E327	Bolt, cylinder head short 3 $\frac{3}{8}$ " U/H	4	4	—	—	4
17	E1484	Bolt, cylinder head medium 5 $\frac{1}{8}$ " U/H	2	2	—	—	2
18	E1596	Bolt, cylinder head (torque) 6 $\frac{3}{16}$ " U/H	2	2	—	—	2
19	E1596A	Bolt, cylinder head (torque) 5 $\frac{1}{8}$ " U/H	—	—	2	2	—
20	E2873	Bolt, cylinder head short 3 $\frac{3}{8}$ " U/H	—	—	4	4	—
21	E2874	Bolt, cylinder head, medium 5 $\frac{1}{16}$ " U/H	—	—	2	2	—
22	GS308	Washer, cylinder head bolt	4	4	—	—	—
23	F2184	Washer, cylinder head bolt	—	—	8	8	8

INLET MANIFOLD

24	E3576	Manifold, inlet	1	—	—	—	—
25	E3074	Manifold, inlet	—	1	—	—	—
26	E3307	Manifold, inlet	—	—	1	1	—
27	E3304	Manifold, inlet	—	—	—	—	1
28	E1552	Washer, inlet manifold joint	2	—	—	—	—
29	E1676	Washer, inlet manifold joint	—	2	—	—	—
30	E2967	Washer, inlet manifold joint	—	—	2	2	—
31	E3334	Washer, inlet manifold joint	—	—	—	—	2

* See Page 18

GROUP 2 → ENGINE

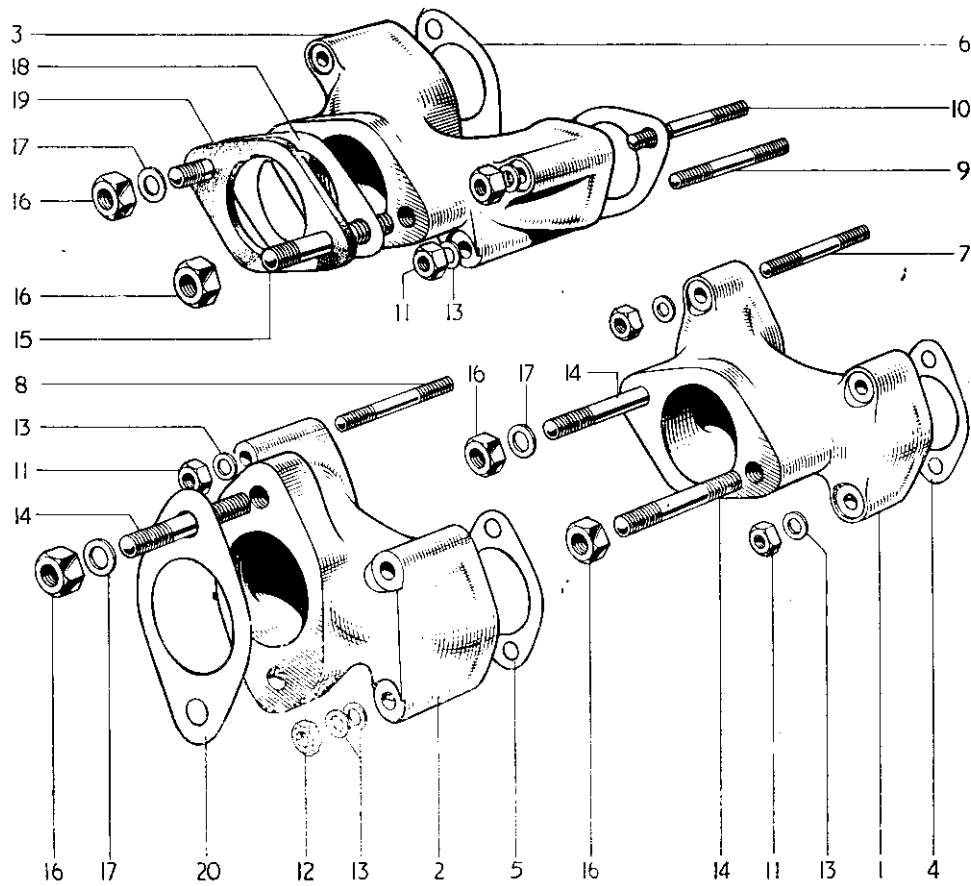


FIG. 1. INLET MANIFOLDS

INDEX

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

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ENGINE —GROUP 2

REF. No.	PART No.	DESCRIPTION	5T	6T	TR5	T100	T110	TR6
1	E1554	Stud, inlet manifold to head ...	1 $\frac{17}{32}$ " O/A	4	—	—	—	—
2	E2920	Stud, inlet manifold to head ...	1 $\frac{33}{32}$ " O/A	—	4	—	—	—
3	E2972	Stud, inlet manifold to head, long	2 $\frac{3}{8}$ " O/A	—	—	2	2	—
4	E2973	Stud, inlet manifold to head, short	1 $\frac{5}{16}$ " O/A	—	—	2	2	4 4
5	W103	Nut, inlet manifold to head ...	...	4	3	4	4	4 4
6	F879	Nut, inlet manifold to head ...	...	—	1	—	—	—
7	S25-13	Washer, inlet manifold to head ...	...	4	5	4	4	4 4
8	E1553	Stud, carburetter fixing...	1 $\frac{3}{32}$ " O/A	2	2	—	—	—
9	E2962	Stud, carburetter fixing...	1 $\frac{7}{32}$ " O/A	—	—	2	2	2 2
10	SI-51	Nut, carburetter fixing ...	...	2	2	2	2	2 2
11	S25-3	Washer, carburetter fixing ...	...	1	2	1	1	1 1
12	E2415	Clip, H.T. leads to manifold ...	...	1	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 2
17	E1956	Valve, exhaust ...	...	2	—	2	2	—
18	E2904	Valve, exhaust ...	...	—	2	—	—	2 2
19	E2899	Guide, inlet valve ...	...	2	2	2	2	2 2
20	E2900	Guide, exhaust valve ...	...	2	2	2	2	2 2
21	E1488	Spring, inner valve ...	...	4	4	4	4	4 4
22	E1487	Spring, outer valve ...	...	4	4	4	4	4 4
23	E1543	Collar, valve spring top ...	...	4	4	4	4	4 4
24	E1544	Cup, valve spring bottom ...	...	4	4	4	4	4 4
25	WE259A	Cotter, valve split ...	...	8	8	8	8	8 8

PISTONS, RINGS, ETC.

26	CP29	Piston complete, standard CR7 : I	...	2	—	—	—	—
27	CP29:10	Piston complete, $-.010$ " CR7 : I	...	A	—	—	—	—
28	CP29:20	Piston complete, $+.020$ " CR7 : I	...	A	—	—	—	—
29	CP29:40	Piston complete, $+.040$ " CR7 : I	...	A	—	—	—	—
30	CP98	Piston complete, standard CR7 : I	...	—	2	—	—	—
31	CP98:10	Piston complete, $-.010$ " CR7 : I	...	—	A	—	—	—
32	CP98:20	Piston complete, $+.020$ " CR7 : I	...	—	A	—	—	—
33	CPI35	Piston complete, standard CR8 : I	...	—	—	2	2	—
34	CPI35:10	Piston complete, $+.010$ " CR8 : I	...	—	—	A	A	—
35	CPI35:20	Piston complete, $+.020$ " CR8 : I	...	—	—	A	A	—
36	CPI57	Piston complete, standard CR8.5 : I	...	—	—	—	—	2 2
37	CPI57:10	Piston complete, $+.010$ " CR8.5 : I	...	—	—	—	—	A A
38	CPI57:20	Piston complete, $+.020$ " CR8.5 : I	...	—	—	—	—	A A
39	*CPI59	Piston complete, standard CR7.5 : I	...	—	—	—	—	A A
40	*CPI59:10	Piston complete, $+.010$ " CR7.5 : I	...	—	—	—	—	A A
41	*CPI59:20	Piston complete, $+.020$ " CR7.5 : I	...	—	—	—	—	A A
42	E656	Ring, piston compression, standard	...	2	—	2	2	—
43	E656:10	Ring, piston compression, $-.010$	...	A	—	A	A	—

* Supplied as standard for Australian market.

GROUP 2 — ENGINE

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

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

CRANKSHAFT AND FLYWHEEL ASSEMBLY

28	E3451	Crankshaft and flywheel assembly ...	1	—	1	1	—	—
29	E3452	Crankshaft and flywheel assembly ...	—	1	—	—	1	1
30	E3306	Flywheel ...	1	1	1	1	1	1
31	E3453	Crankshaft, timing side c/w stud ...	1	—	1	1	—	—
32	E3454	Crankshaft, timing side c/w stud ...	—	1	—	—	1	1
33	E3455	Plug, T/S crankshaft ...	1	1	1	1	1	1
34	E3329	Crankshaft, driving side c/w stud ...	1	—	1	1	—	—
35	E3330	Crankshaft, driving side c/w stud ...	—	1	—	—	1	1
36	E3114	Stud, driving side, crankshaft 1 ¹ / ₈ " O/A	1	1	1	1	1	1
37	E1562	Bolt, crankshaft to flywheel 1 ³ / ₈ " U/H	6	6	6	6	6	6
38	W103	Nut, crankshaft to flywheel bolt ...	6	6	6	6	6	6
39	E3456	Oil tube, crankshafts ...	1	1	1	1	1	1

ENGINE – GROUP 2

REF. No.	PART No.	DESCRIPTION	5T	6T	TR5	T100	T110	TR6
CONNECTING RODS								
1	E3606	Connecting rod, complete	2	2	2	2	2	2
2	E3586	Bearing, connecting rod big end	4	4	4	4	4	4
3	E1511	Bush, connecting rod small end	2	2	2	2	2	2
4	E2490A	Bolt, connecting rod to cap $2\frac{23}{32}$ " U/H ...	4	4	4	4	4	4
5	E2922	Nut, connecting rod to cap bolt	4	4	4	4	4	4

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

CRANKCASE

6	E2220A/3281	Crankcase assembly less main bearings ...	—	—	1	1	—	—
7	E2892/3314	Crankcase assembly less main bearings ...	1	1	—	—	—	—
8	E2892/3282	Crankcase assembly less main bearings ...	—	—	—	—	1	1
9	E672	Stud, crankcase cylinder base ... $1\frac{3}{8}$ " O/A	6	6	6	6	6	6
10	E3523	Stud, crankcase cylinder base (Dowel) $1\frac{3}{8}$ " O/A	2	2	2	2	2	2
11	W76	Nut, crankcase cylinder base stud	4	4	—	—	4	4
12	PO172A	Nut, crankcase cylinder base stud	4	4	—	—	4	4
13	E2412	Nut, crankcase cylinder base stud	—	—	8	8	—	—
14	GS308	Washer, crankcase cylinder base stud ...	—	—	8	8	—	—
15	E1534A	Dowel, crankcase cylinder base stud (E3523)	2	2	2	2	2	2
16	E1579	Dowel, crankcase halves	1	1	1	1	1	1
17	E1534A	Dowel, crankcase halves hollow	1	1	1	1	1	1
18	E2022	Stud, magneto/distributor to crankcase $1\frac{5}{8}$ " O/A	3	3	3	3	3	3
19	F1008	Nut, magneto to crankcase stud	—	—	3	3	3	3
20	S25-3	Washer, magneto to crankcase stud	—	—	3	3	3	3
21	SI-51	Nut, distributor to crankcase stud	3	3	—	—	—	—
22	E1539	Stud, oil junction block $1\frac{7}{32}$ " O/A	1	1	1	1	1	1
23	SI-51	Nut, oil junction block stud	1	1	1	1	1	1
24	S23-3	Washer, oil junction block stud	1	1	1	1	1	1
25	E1532	Dowel, oil junction block	1	1	1	1	1	1
26	1535	Dowel, crankcase to timing cover	1	1	1	1	1	1

SPEED TWIN (5T) ENGINE

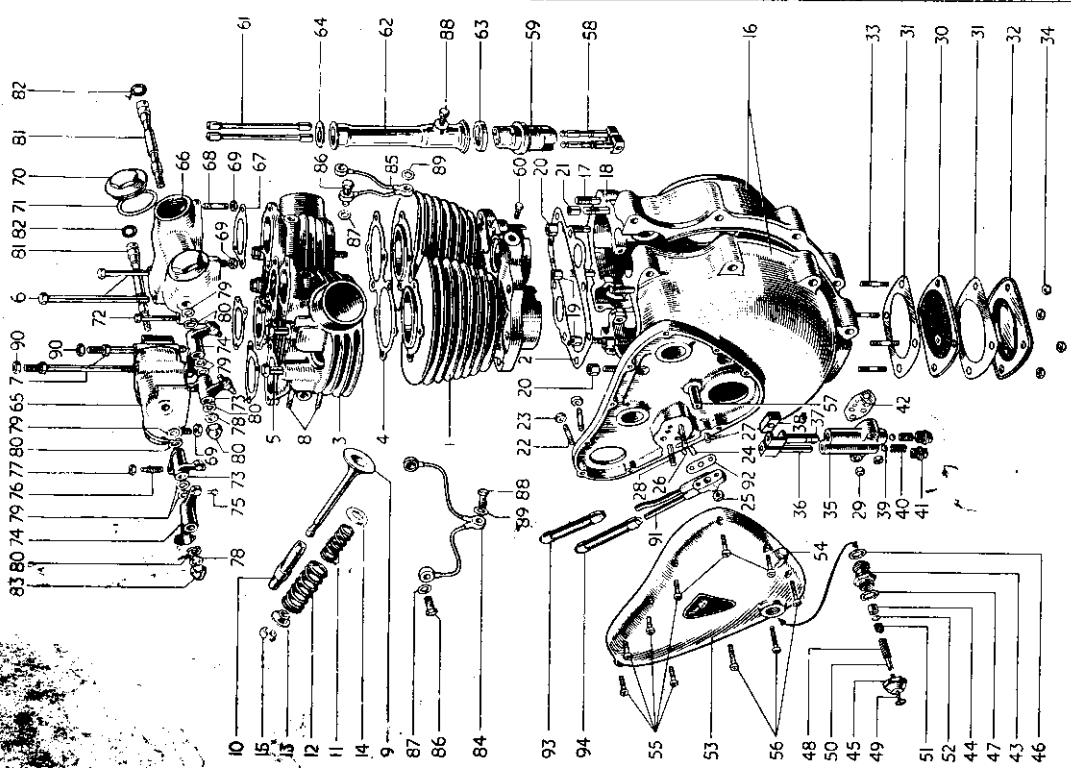


FIG. 2. CRANKCASE, CYLINDER BLOCK, CYLINDER HEAD, etc.

GROUP 2 - ENGINE

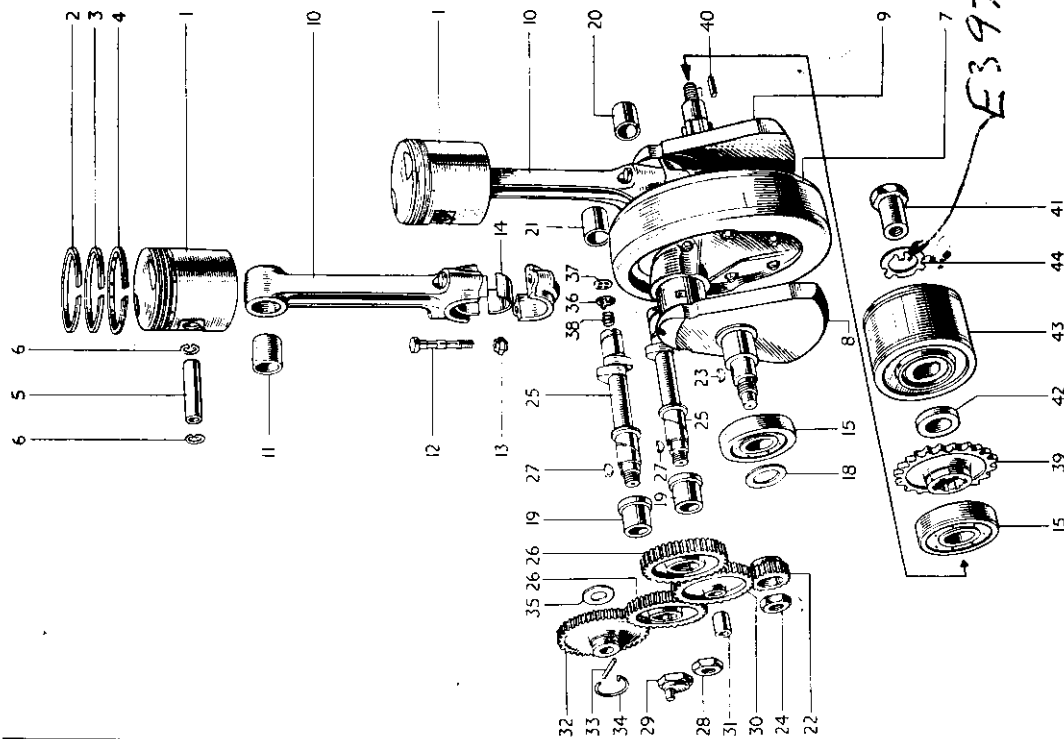


FIG. 3. CRANKSHAFT, CONNECTING RODS, PISTONS, TIMING GEAR, etc.

ENGINE - GROUP 2

INDEX FIG. 2

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

INDEX FIG. 3

Illust. No.	Part No.	Page No.	Ref. No.	Illust. No.	Part No.	Page No.	Ref. No.	Illust. No.	Part No.	Page No.	Ref. No.
1	CP29	21	26	19	E1479	32	15	35	146460	33	43
2	E656	21	42	20	E1516	32	16	36	E2254	34	1
3	E3048	22	6	21	E2260	32	17	37	GS87	34	2
4	GE29	22	19	22	E1472	33	28	38	E2256	34	3
5	WE203E	22	26	23	E1580	33	29	39	E3108 22	35	18
6	WE479	22	27	24	E398	33	30	40	E3115	35	27
7	E3306	22	30	25	E3275	33	31	41	E3435	35	28
8	E3453	22	31	26	E1486A	33	33	42	E3116	35	31
9	E3329	22	34	27	E1558	33	34	43	465969	104	2
10	E3606	23	1	28	E1492	33	35	44	465672	104	10
11	E1511	23	3	29	E1463	33	36				
12	E2490A	23	4	30	E1471	33	37				
13	E2922	23	5	31	E400	33	38				
14	3586	23	2	32	E3123	33	40				
15	E1591	32	13	33	E3125	33	41				
18	E3900	32	19	34	E3126	33	42				

GROUP 2 - ENGINE

THUNDERBIRD (6T ENGINE)

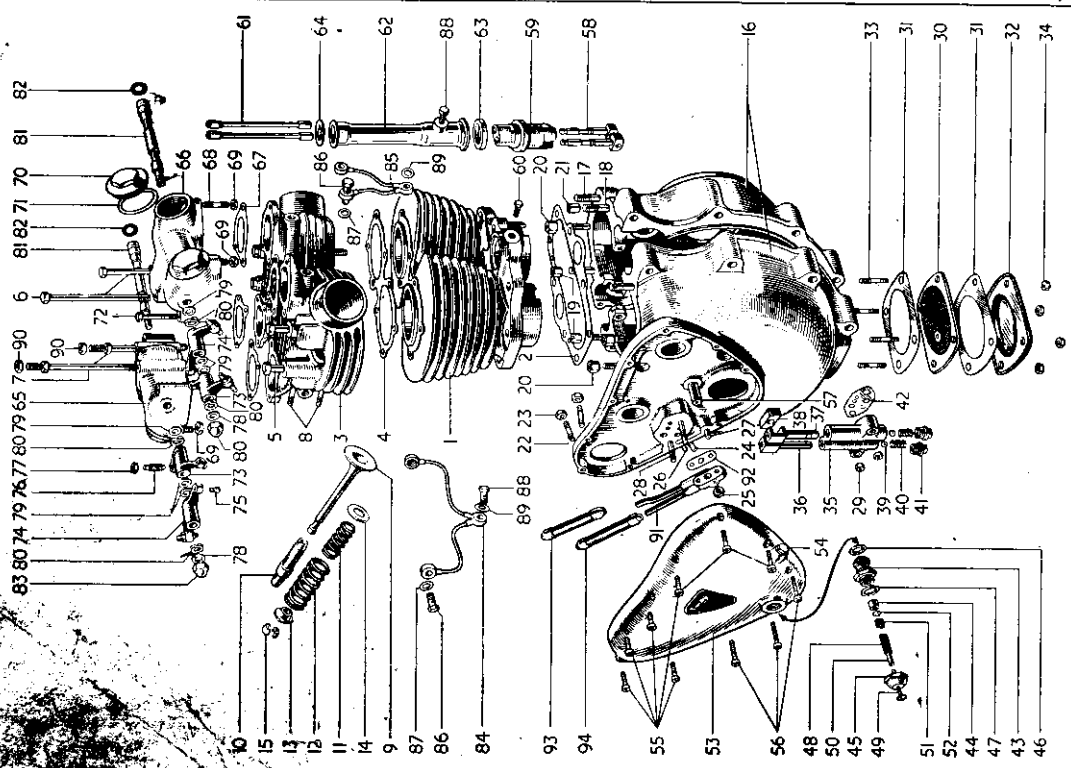


FIG. 4. CRANKCASE, CYLINDER BLOCK, CYLINDER HEAD, etc.

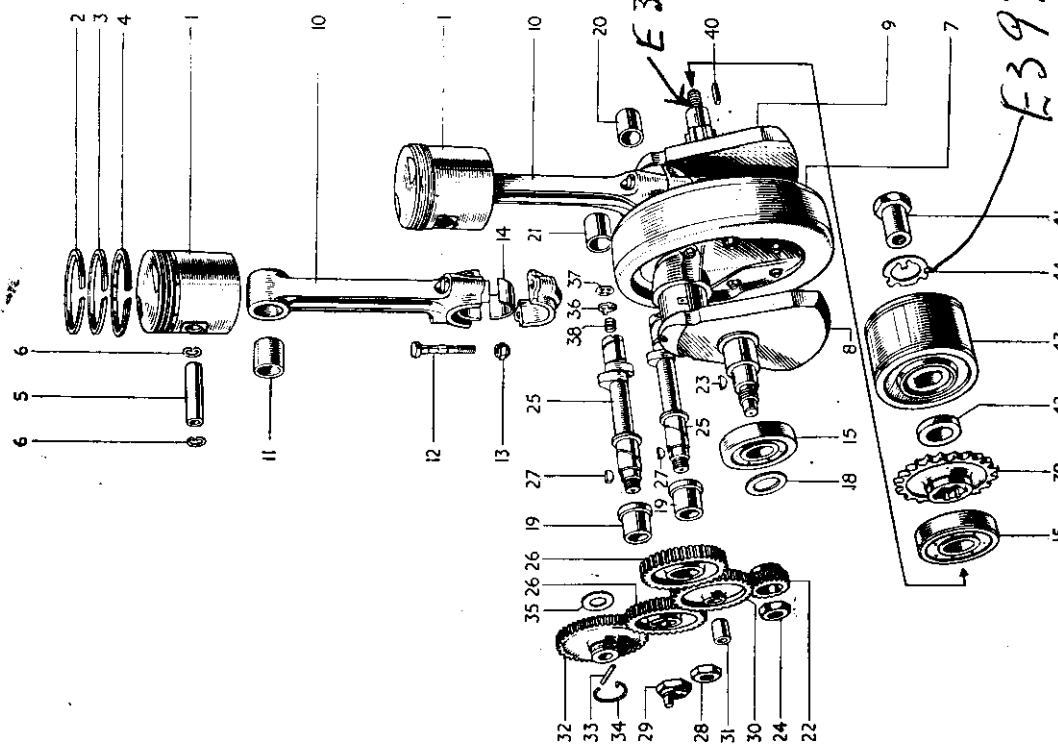


FIG. 5. CRANKSHAFT, CONNECTING RODS, PISTON TIMING GEAR, etc.

INDEX FIG. 4

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

INDEX FIG. 5

Illust. No.	Part No.	Page No.	Ref. No.	Illust. No.	Part No.	Page No.	Ref. No.	Illust. No.	Part No.	Page No.	Ref. No.
1	CP98	21	30	18	E3300	32	19	33	E3125	33	41
2	E2897	22	10	19	E1479	32	15	34	E3126	33	42
3	E3049	22	16	20	E1516	32	16	35	146460	33	43
4	E2898	22	23	21	E2200	32	17	36	E2254	34	1
5	WE203E	22	26	22	E1472	33	28	37	GS87	34	2
6	WE479	22	27	23	E1580	33	29	38	E2256	34	3
7	E3306	22	30	24	E398	33	30	39	E3108/24	34	3
8	E3454	22	32	25	E3275	33	31	40	E3115	35	20
9	E3330	22	35	26	E1486A	33	33	41	E3435	35	27
10	E3606	23	1	27	E1558	33	34	42	E3178	35	28
11	E1511	23	3	28	E1492	33	35	43	465969	104	31
12	E2490A	23	4	29	E1463	33	36	44	465672	104	2
13	E2922	23	5	30	E1471	33	37				
14	E3586	23	2	31	E400	33	38				
15	E1591	32	13	32	E3123	33	40				

GROUP 2 - ENGINE

TROPHY (TR5) AND TIGER 100 (T100) ENGINE

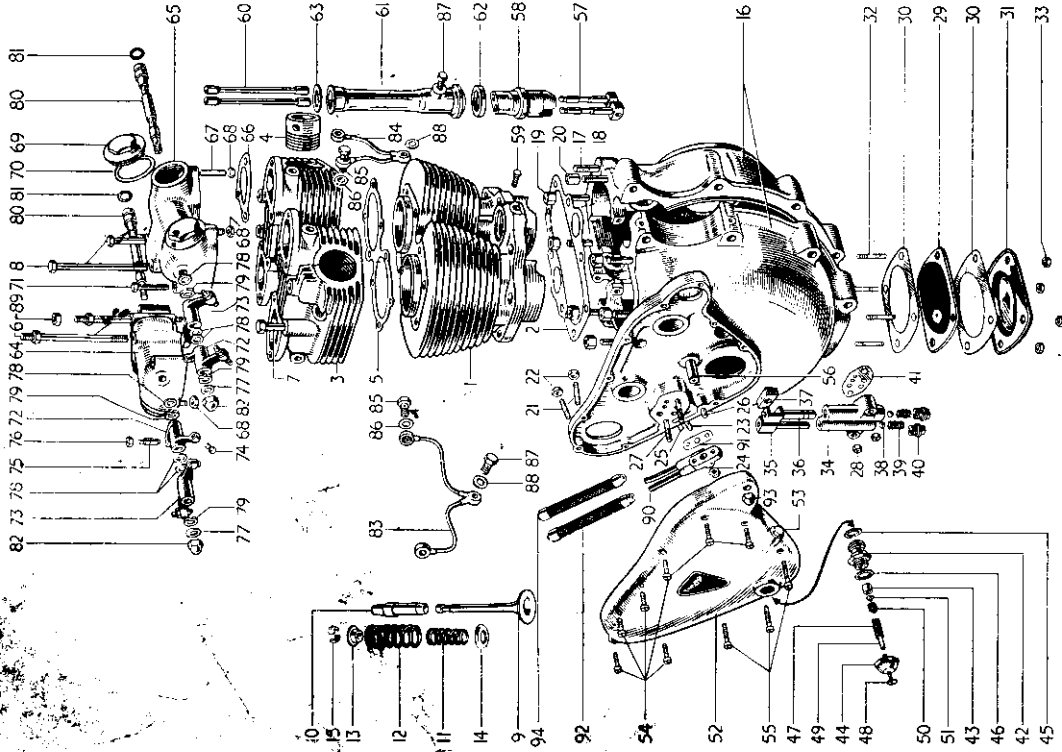


FIG. 6. CRANKCASE, CYLINDER BLOCK, CYLINDER HEAD, etc.

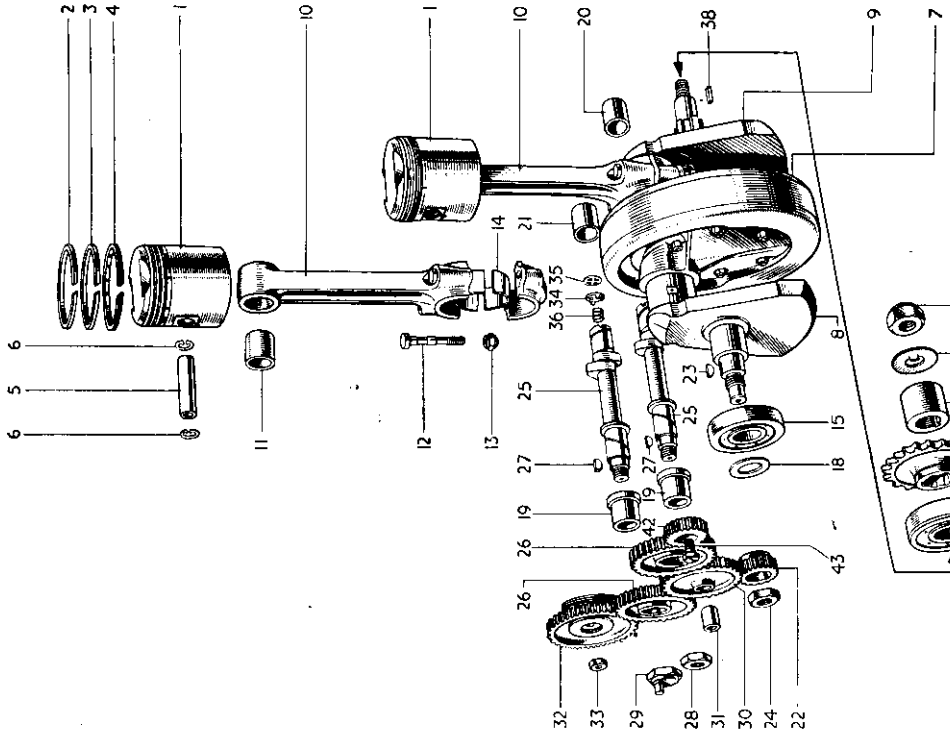


FIG. 7. CRANKSHAFT, CONNECTING RODS, PISTONS, TIMING GEARS, etc.

ENGINE - GROUP 2

INDEX FIG. 6

Illust. No.	Part No.	Page No.	Ref. No.	Illust. No.	Part No.	Page No.	Ref. No.	Illust. No.	Part No.	Page No.	Ref. No.
1	E3591	19	3	32	E1540	32	10	64	E1461T	34	17
2	E2249	19	5	33	F879	32	12	65	E1462T	34	19
3	E3593	19	9	34	GS35	32	27	66	E1650	34	21
4	E2961	19	11	35	GS153	32	28	67	E2980	34	24
5	E3003	19	15	36	E1476	32	29	68	F879	34	25
6	E1596A	19	19	37	E495	32	30	69	E1564	34	27
7	E2873	19	20	38	S70-7	32	31	70	E1577	34	28
8	E2874	19	21	39	E403	32	32	71	E2982	34	30
9	E2969	21	15	40	E2360	32	33	72	E1457	34	32
10	E1956	21	17	41	E1537	32	34	73	E1458	34	33
11	E2899	21	19	42	E2794	33	2	74	E1483	34	34
12	E2900	21	20	43	GS251	33	3	75	E1513	34	35
13	E1488	21	21	44	E2790	33	4	76	E470	34	36
14	E1487	21	22	45	E1670	33	5	77	E1330	35	1
15	E1543	21	23	46	GS254	33	6	78	E1575	35	2
16	E1544	21	24	47	E2788	33	7	79	E1574	36	3
17	WE259A	21	25	48	E2791	33	8	80	E1512	35	4
18	E220A/3281	23	6	49	E2793	33	9	81	E3253	35	5
19	E672	23	9	50	E2789	33	10	82	E1435	35	6
20	E3523	23	10	51	E2792	33	11	83	GS272	35	10
21	E2412	23	13	52	E2218/T100	33	15	84	GS273	35	11
22	E1534A	23	15	53	E2218/Trophy	33	14	85	E2767	35	13
23	E2022	23	18	54	E2615	33	24	86	E1335	35	14
24	F1008	23	19	55	E3437	33	26	87	E984	35	15
25	E1539	23	22	56	E3439	33	27	88	F1880	35	16
26	S1-51	23	23	57	E375	33	39	89	S1-52	50	19
27	E1532	23	25	58	E3059	34	6	90	E3355	74	23
28	E1535	23	26	59	GS36	34	8	91	E1529	74	24
29	E1536	32	1	60	H200	34	9	92	E3353	74	21
30	F879	32	2	61	E2620	34	12	93	E2228	98	24
31	E529	32	7	62	E1505	34	13	94	E3354	74	22
	E487	32	8	63	E1496	34	15				
	E486	32	9	63	E3547	34	16				

INDEX FIG. 7

Illust. No.	Part No.	Page No.	Ref. No.	Illust. No.	Part No.	Page No.	Ref. No.	Illust. No.	Part No.	Page No.	Ref. No.
1	CP135	21	33	15	E1591	32	13	30	E1471	33	37
2	E3380	21	3	18	E3300	32	19	31	E400	33	38
3	E656	21	42	19	E1479	32	15	32	E2741	33	44
4	GE29	22	19	20	E1516	32	16	33	170104	33	45
5	WE203E	22	26	21	E2260	32	17	34	E2254	34	1
6	WE479	22	27	22	E1472	32	28	35	GS87	34	2
7	E3306	22	30	23	E1580	32	29	36	E2256	34	3
8	E3453	22	31	24	E398	32	30	37	E3108/21	35	3
9	E3379	22	34	25	E3275	33	31	38	E3115	35	21
10	E3606	23	1	26	E3325	33	32	39	E3120	35	29
11	E1511	23	3	27	E1486A	33	33	40	E3364	35	30
12	E2490A	23	4	28	E1558	33	34	41	E3119	35	32
13	E2922	23	5	29	E1492	33	35	43	E2451	98	21
14	E3586	23	2	29	E1463	33	36		11704	98	22

GROUP 2 - ENGINE

TROPHY (TR6) AND TIGER I10 (T110) ENGINE

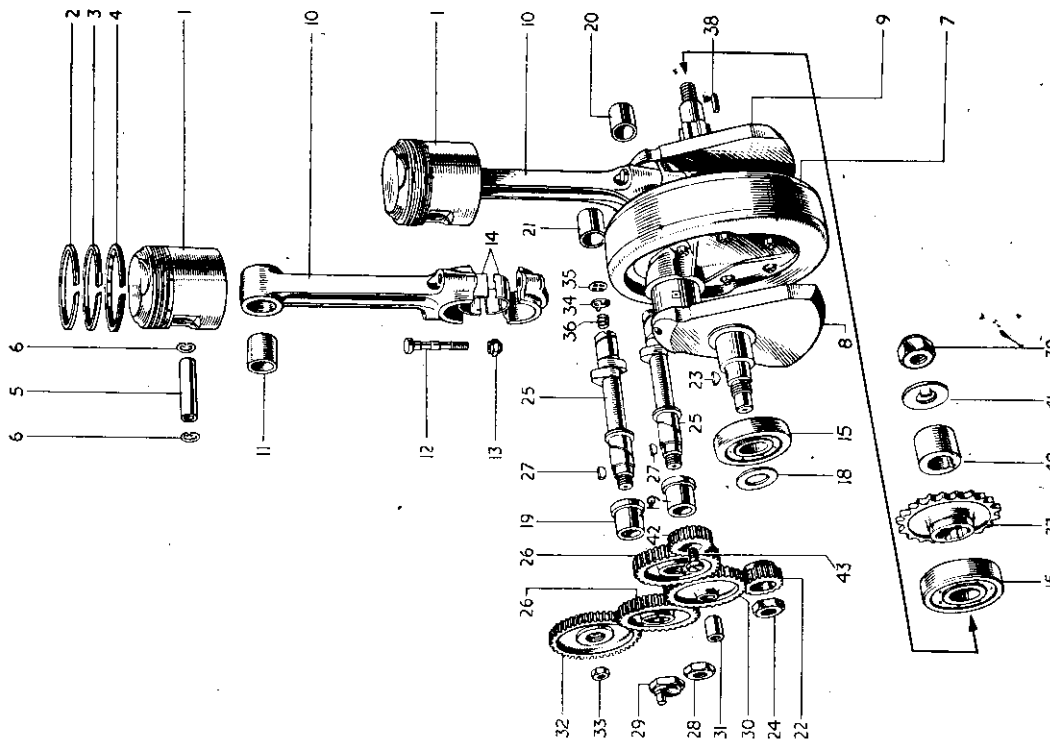


FIG. 9. CRANKSHAFT, CONNECTING RODS, PISTONS, TIMING GEARS, etc.

CRANKCASE, CYLINDER BLOCK, CYLINDER HEAD, etc.

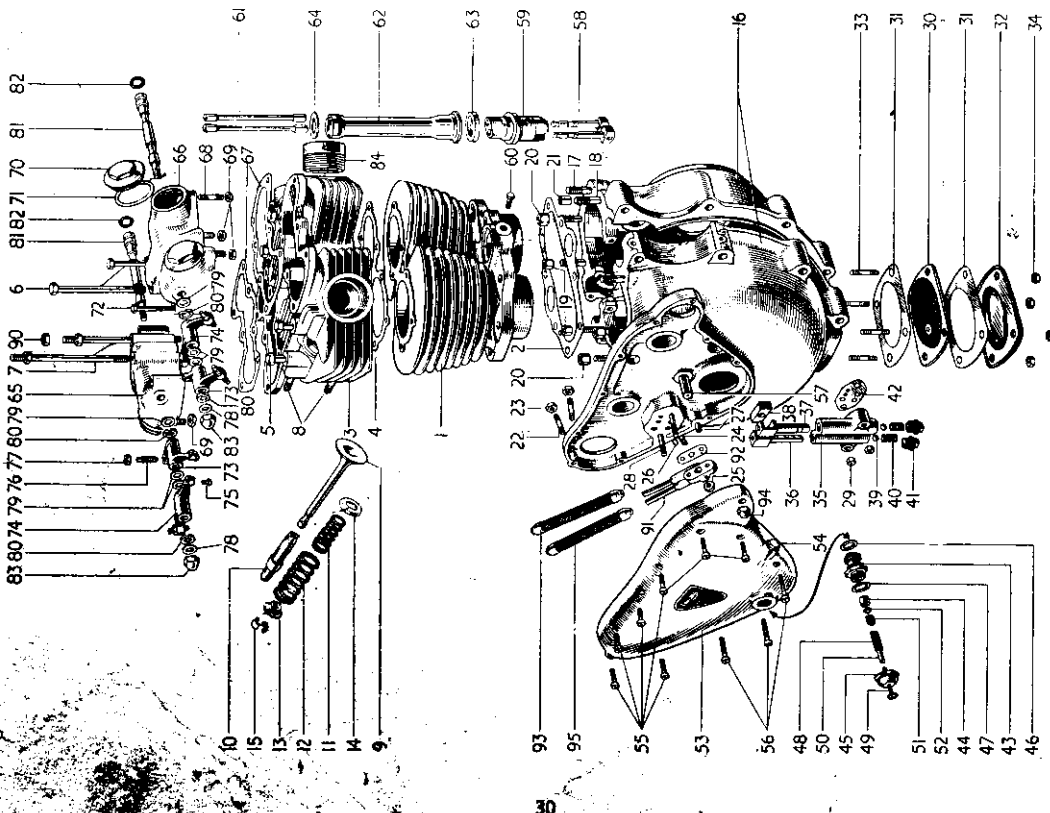


FIG. 8. CRANKCASE, CYLINDER BLOCK, CYLINDER HEAD, etc.

ENGINE - GROUP 2

INDEX FIG. 8

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

INDEX FIG. 9

Illust. No.	Part No.	Page No.	Ref. No.	Illust. No.	Part No.	Page No.	Ref. No.	Illust. No.	Part No.	Page No.	Ref. No.
1	CP157	21	36	15	E1591	32	13	31	E400	33	38
2	E3381	22	13	18	E3300	32	19	32	E2741	33	44
3	E2897	22	10	19	E1479	32	15	33	170104	33	45
4	E2898	22	23	20	E1516	32	14	34	E2254	34	1
5	WE203E	22	26	21	E2260	32	17	35	GS87	34	2
6	WE479	22	27	22	E1472	33	28	36	E2256	34	3
7	E3306	22	27	23	E1590	33	29	37	E3108/24	35	20
8	E3454	22	30	24	E398	33	30	38	E3115	35	27
9	E3330	22	32	25	E3325	33	32	39	E3120	35	29
10	E3606	23	35	26	E1486A	33	33	40	E3384	35	30
11	E1511	23	3	27	E1558	33	34	41	E3119	35	32
12	E2490A	23	4	28	E1492	33	35	42	E2451	98	21
13	E2222	23	5	29	E1463	33	36	43	111704	98	22
14	E3586	23	2	30	E1471	33	37				

GROUP 2 — ENGINE

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

CRANKCASE OIL FILTER

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

CRANKCASE BEARINGS

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

STUDS AND BOLTS FOR CRANKCASE HALVES

20	E1555	Bolt, crankcase top rear	1	1	1	1	1	1
21	S25-3	Washer, crankcase top rear bolt	1	1	1	1	1	1
22	T456	Stud, crankcase bottom front $3\frac{3}{8}$ " O/A	1	1	1	1	1	1
23	SI-51	Nut, crankcase bottom front stud	2	2	2	2	2	2
24	S25-3	Washer, crankcase bottom front stud	2	2	2	2	2	2
25	E1647	Screw, crankcase inside boss $\frac{3}{4}$ " U/H	2	2	2	2	2	2

FOR ENGINE PLATE STUDS SEE PAGE 52.

OIL PUMP

26	E3072	Pump, assembly, oil	1	1	1	1	1	1
27	GS35	Body, oil pump	1	1	1	1	1	1
28	GS153	Plunger, oil pump feed	1	1	1	1	1	1
29	E1476	Plunger, oil pump scavenge	1	1	1	1	1	1
30	E495	Block, oil pump slider	1	1	1	1	1	1
31	S70-7	Ball, oil pump valve	2	2	2	2	2	2
32	E403	Spring, oil pump valve	2	2	2	2	2	2
33	E2360	Plug, oil pump body	2	2	2	2	2	2
34	E1537	Washer, oil pump joint	1	1	1	1	1	1

ENGINE — GROUP 2

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

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GROUP 2 — ENGINE

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

CRANKCASE BREATHER

1	E2254	Valve, crankcase rotary	...	...	...	1	1	1	1	1	1
2	GS87	Disc, crankcase rotary valve	...	...	...	1	1	1	1	1	1
3	E2256	Spring, crankcase rotary valve	...	...	...	1	1	1	1	1	1
4	E2724	Pipe, crankcase breather	...	...	...	1	1	1	1	1	1
5	E3078	Extension, crankcase breather pipe (rubber)	...	...	...	1	1	1	1	1	1

TAPPETS AND TAPPET BLOCKS

6	E3059	Tappet	...	...	...	4	4	4	4	4	4
7	E1477	Block, tappet guide	...	...	...	2	2	—	—	2	2
8	GS36	Block, tappet guide	...	...	...	—	—	2	2	—	—
9	H200	Screw, tappet guide block lock	$\frac{7}{16}$ " U/H	...	...	2	2	2	2	2	2
10	E2312	Washer, tappet guide block lock	...	...	...	2	2	2	2	2	2

PUSH RODS

11	E1693	Rod, push	...	...	...	4	4	—	—	—	—
12	E2620	Rod, push	...	...	...	—	—	4	4	4	4

PUSH ROD COVER TUBE

13	E1505	Tube, push rod cover	...	...	...	2	2	2	2	—	—
14	*E3554	Tube, push rod cover	...	...	...	—	—	—	—	2	2
15	E1496	Washer, push rod cover lower seal	...	...	...	2	2	2	2	2	2
16	E3547	Washer, push rod cover upper seal	...	...	...	2	2	2	2	2	2

OVERHEAD ROCKER GEAR

17	E1461T	Box, inlet rocker	...	...	...	1	1	1	1	—	—
18	E3550	Box, inlet rocker	...	...	...	—	—	—	—	1	1
19	E1462T	Box, exhaust rocker	...	...	...	1	1	1	1	—	—
20	E3551	Box, exhaust rocker	...	...	...	—	—	—	—	1	1
21	E1650	Gasket, rocker box joint	...	...	...	4	4	4	4	—	—
22	E3552	Gasket, rocker box joint	...	...	...	—	—	—	—	2	2
23	E1540	Stud, rocker box to cylinder head	$\frac{3}{16}$ " O/A	...	...	4	4	—	—	—	—
24	E2980	Stud, rocker box to cylinder head	$\frac{1}{8}$ " O/A	...	...	—	—	4	4	6	6
25	F879	Nut, rocker box to cylinder head	...	...	...	4	4	4	4	6	6
26	E3302	Washer, rocker box to cylinder head nut	...	...	...	—	—	4	4	6	6
27	E1564	Cap, rocker box inspection	...	...	...	4	4	4	4	4	4
28	E1577	Washer, rocker box inspection cap	...	...	...	4	4	4	4	4	4
29	E1545	Bolt, rocker box to cylinder head	2" U/H	...	...	4	4	—	—	4	4
30	E2982	Bolt, rocker box to cylinder head	2 $\frac{1}{2}$ " U/H	...	...	—	—	4	4	—	—
31	S25-13	Washer, rocker box to cylinder head	...	...	...	4	4	4	4	4	4
32	E1457	Rocker, valve R.H.	...	...	...	2	2	2	2	2	2
33	E1458	Rocker, valve L.H.	...	...	...	2	2	2	2	2	2
34	E1483	Ball pin, valve rocker	...	...	...	4	4	4	4	4	4
35	E1513	Adjusting pin, valve rocker	...	...	...	4	4	4	4	4	4
36	E470	Locknut, adjusting pin	...	...	...	4	4	4	4	4	4

* See Page 18

ENGINE — GROUP 2 GASKET SET — GROUP 3

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

ROCKER OIL FEED AND DRAIN PIPES

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

ENGINE SPROCKET

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

} As required

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

GASKET SET—GROUP 3

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

GROUP 4 — GEARBOX

REF. No.	PART No.	DESCRIPTION	5T	6T	TR5	T100	T110	TR6
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GEARBOX—GROUP 4

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

GEARBOX CASING

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

GEARBOX FITTINGS

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

GEARBOX — GROUP 4

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

SHAFTS AND GEARS (STANDARD RATIO)

(See page 43 for wide and close ratio gears)

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

For speedometer drive gears see page 108.

GEARBOX CASING BEARINGS

25	T448 <i>N:443</i>	Bearing, high gear	1	1	1	1	1	1
26	T946	Oil seal, high gear bearing	1	1	1	1	1	1
27	E489	Circlip, high gear bearing retaining	1	1	1	1	1	1
28	S35-7 <i>LS 8</i>	Bearing, mainshaft	1	1	1	1	1	1
29	T280	Circlip, mainshaft bearing	1	1	1	1	1	1
30	T1367	Bush, layshaft casing and inner cover	2	2	2	2	2	2
31	T912	Peg, layshaft bush	2	2	2	2	2	2
32	T981	Disc, layshaft bush	1	1	1	1	1	1

GROUP 4 — GEARBOX

GEARBOX

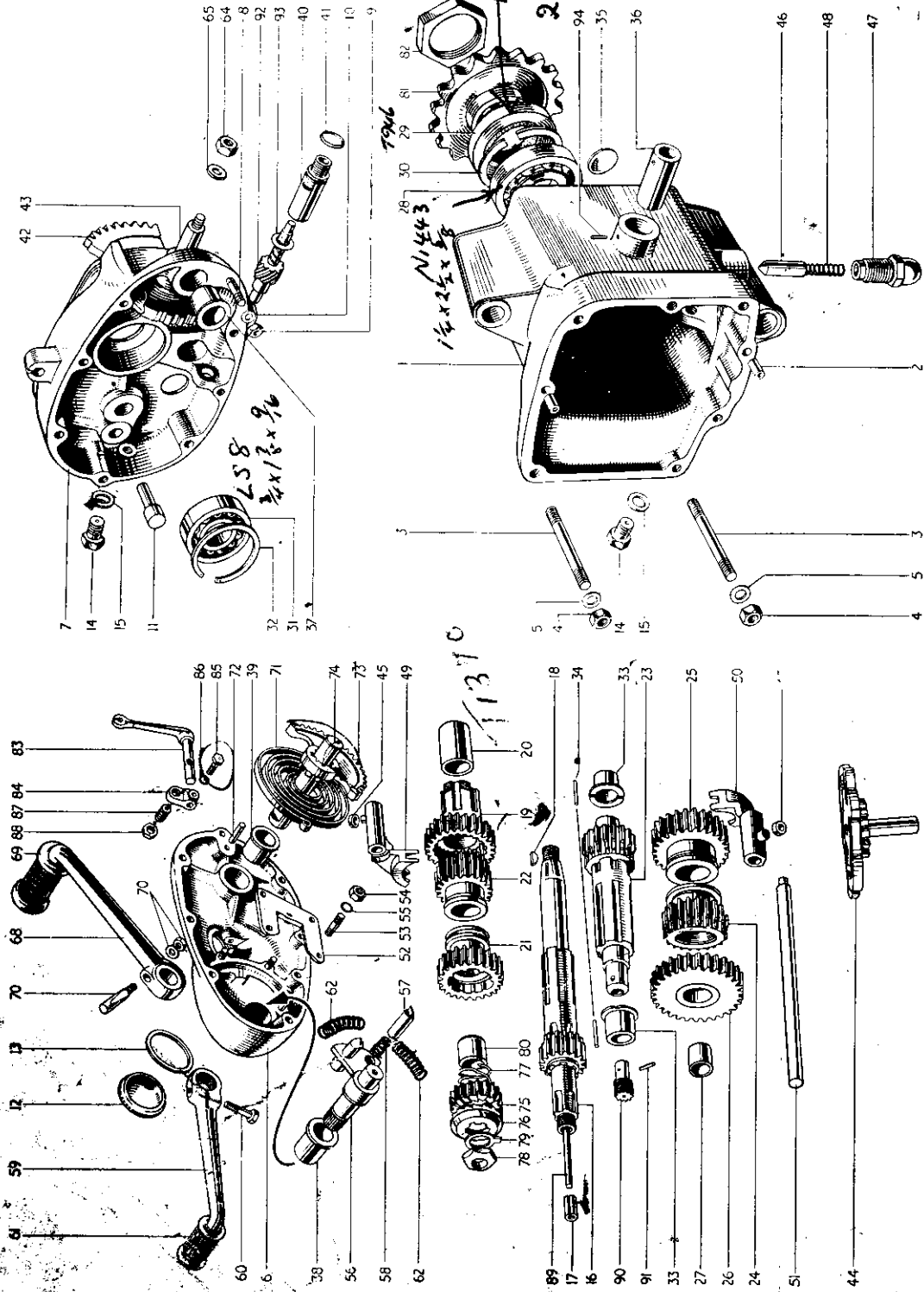


FIG. 10

INDEX FIG. 10

Illust. No.	Part No.	Page No.	Ref. No.	Illust. No.	Part No.	Page No.	Ref. No.	Illust. No.	Part No.	Page No.	Ref. No.
1	T1201	36	7	32	T280	37	29	64	T224	40	30
2	T989	36	8	33	T1367	37	30	65	S25-3	40	31
3	E698	36	9	34	T912	37	31	68	T451	40	32
4	S1-51	36	10	35	T981	37	32		T1270	40	33
5	S25-3	36	11	36	T341	40	1	69	F1814	40	39
6	T935	36	12	37	T412	40	3	70	S52-1	41	1
7	T1217	36	17	38	T57	40	4		T1222	41	2
8	T323A	36	18	39	T23	40	5	71	T31	41	3
9	S1-51	36	19	40	T933	40	6	72	T47	41	4
10	S25-3	36	20	41	T948	40	7	73	T25A	41	5
11	T45	36	23	42	T397	40	8	74	T24A	41	6
12	E1564	36	24	43	T399	40	9	75	T730	41	7
13	E1577	36	25	44	T500	40	10	76	T731	41	8
14	S46-15	36	26	45	NT261	40	11	77	T1250	41	10
15	PT104B	36	27	46	T44	40	12	78	NT297	41	11
16	T914	37	10	47	T372	40	13	79	T732	41	12
17	PT108B	37	11	48	T373	40	14	80	T1338	41	9
18	S66-1	37	12	49	T260B	40	15	81	T471A	41	13
19	T918	37	16	50	T913	40	16	82	T440	41	14
20	T920	37	17	51	T291	40	17	83	T487	42	1
21	T917	37	18	52	T407	40	18	84	T402	42	3
22	T916	37	19	53	T454	40	19	85	T401	42	4
23	T1063	37	20	54	F879	40	20	86	E2312	42	5
24	T930	37	21	55	E2312	40	21	87	T413	42	6
25	T1065	37	22	56	T408/9	40	22	88	T453	42	7
26	T926	37	23	57	T406	40	23	89	T455	42	8
27	T928	37	24	58	T405	40	24	90	T455B	42	9
28	T448	37	25	59	T1194	40	25	91	T924	108	1
29	T946	37	26	60	VW932	40	27	92	T925	108	3
30	E489	37	27	61	T449	40	28	93	T934	108	4
31	S35-7	37	28	62	T404	40	29		T825	108	6

GROUP 4 — GEARBOX

REF. No.	PART No.	DESCRIPTION	5T	6T	TR5	T100	T110	TR6
1	T341	Bush, gear selector camplate ... ..	|	|	|	|	|	|
2	E3449	Peg, gear selector camplate bush ... ..	|	|	|	|	|	|
3	T412	Bush, footchange spindle inner ... ..	|	|	|	|	|	|
4	T57	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	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 $\frac{7}{8}$ " O/A	4	4	4	4	4	4
20	F879	Nut, footchange guide plate stud	4	4	4	4	4	4
21	E2312	Washer, footchange guide plate stud	4	4	4	4	4	4
22	T408/9	Plunger assembly, gear quadrant ... ..	|	|	|	|	|	|
23	T406	Plunger, gear quadrant	2	2	2	2	2	2
24	T405	Spring, gear quadrant plunger	2	2	2	2	2	2
25	T1194	Pedal, footchange ... ..	|	|	|	|	|	|
26	T997	Pedal, footchange (Heel and Toe) (Alternative equipment)	A	A	A	A	A	A
27	W932	Set screw, footchange pedal $1\frac{1}{2}$ " U/H ... ..	|	|	|	|	|	|
28	T449	Rubber, footchange pedal ... ..	|	|	|	|	|	|
29	T404	Spring, footchange pedal return	2	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) complete	A	A	|	A	A	|
34	T1271	Lever, kickstarter	A	A	|	A	A	|
35	T1272	Pedal, kickstarter	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 pedal ... ..	|	|	|	|	|	|

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

GEARBOX — GROUP 4

REF. No.	PART No.	DESCRIPTION	5T	6T	TR5	T100	T110	TR6
1	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	T1360	Clutch assembly	|	—	—	—	—	—
16	T1361	Clutch assembly	—	|	|	|	|	|
17	T940	Housing clutch sprocket	|	—	—	—	—	—
18	T985	Housing clutch sprocket	—	|	|	|	|	|
19	T1037	Centre clutch	|	—	—	—	—	—
20	T1038	Centre clutch	—	|	|	|	|	|
21	T1039	Plate, inner retaining shock absorber	|	|	|	|	|	|
22	T1040	Screw, inner retaining shock absorber 0.417" U/H	4	4	4	4	4	4
23	T1041	Spider, clutch shock absorber	|	|	|	|	|	|
24	T1185	Rubber insert, clutch shock absorber (drive)	4	4	4	4	4	4
25	T1043	Rubber insert, clutch shock absorber (rebound)	4	4	4	4	4	4
26	T1044	Plate, outer retaining shock absorber	|	|	|	|	|	|
27	T1040	Screw, outer retaining shock absorber 0.417" U/H	4	4	4	4	4	4
28	T418	Hub, clutch	|	|	|	|	|	|
29	T394	Roller, clutch housing to hub	20	20	20	20	20	20
30	T1362	Plate, clutch driving (bonded)	4	5	5	5	5	5
31	T1363	Plate, clutch driven (plain)	5	6	6	6	6	6
32	T429	Spring, clutch pressure	4	—	—	—	—	—
33	T999	Spring, clutch pressure	—	4	4	4	4	4
34	T423	Pin, clutch pressure spring 1 1/8" U/H	4	—	—	—	—	—
35	T423A	Pin, clutch pressure spring 1 3/8" U/H	—	4	4	4	4	4
36	T427	Nut, clutch pressure spring pin	4	4	4	4	4	4
37	T425	Cup, clutch pressure spring	4	—	—	—	—	—
38	T998	Cup, clutch pressure spring	—	4	4	4	4	4
49	T986	Plate, clutch pressure c/w button	|	|	|	|	|	|
40	T422	Button, clutch pressure plate	|	|	|	|	|	|

GROUP 4 — GEARBOX

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

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	...	...	...	—	|	|	|	|	|

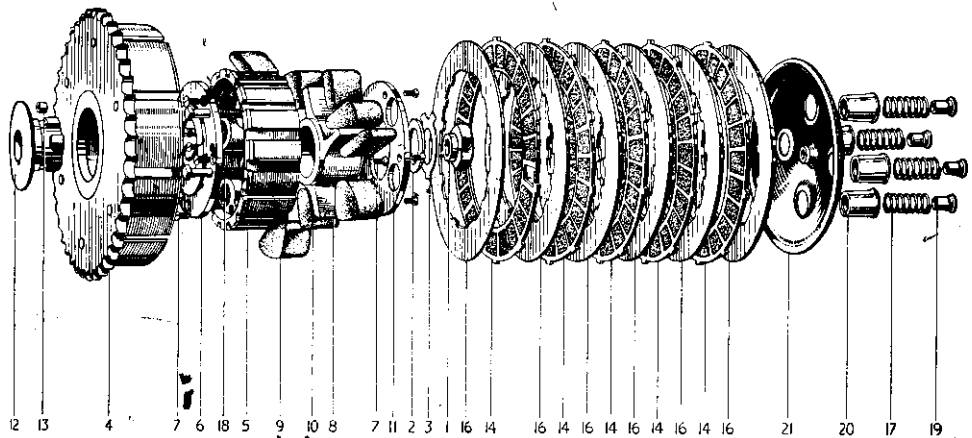


FIG. 11 CLUTCH AND SHOCK ABSORBER

T1472
T1473

INDEX FIG. II

Illust. No.	Part No.	Page No.	Ref. No.	Illust. No.	Part No.	Page No.	Ref. No.
1	T1047	37	13	12	T418	41	28
2	T1045	37	14	13	T394	41	29
3	T1046	37	15	14	T1362	41	30
4	T940	41	17	16	T1363	41	31
	T985	41	18	17	T429	41	32
5	T1037	41	19		T999	41	33
	T1038	41	20	18	T423	41	34
6	T1039	41	21		T423A	41	35
7	T1040	41	22	19	T427	41	36
8	T1041	41	23	20	T425	41	37
9	T1185	41	24		T998	41	38
10	T1043	41	25	21	T986	41	39
11	T1044	41	26				

WIDE RATIO GEARS — GROUP
STANDARD RATIO GEARS — GROUP
CLOSE RATIO GEARS — GROUP

REF. No.	PART No.	DESCRIPTION	5T	6T	TR5	T100	T110	TR6
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WIDE RATIO GEARS—GROUP 5

To convert from standard to wide ratio

1	T969	Gear, mainshaft high 28T						
2	T968	Gear, mainshaft 2nd 19T						
3	T971	Gear, layshaft high 18 T c/w speedo gear ...						
4	T974	Gear, layshaft 2nd 27T						
5	T975	Gear, speedometer drive						

STANDARD RATIO GEARS—GROUP 6

To convert from wide to standard ratio

6	T918	Gear, mainshaft high 26T						
7	T916	Gear, mainshaft 2nd 20T						
8	T1063	Gear, layshaft high 20T c/w speedo gear ...						
9	T1065	Gear, layshaft 2nd 26T						
10	T934	Gear, speedometer drive						

CLOSE RATIO GEARS—GROUP 7

11	T1177	Mainshaft and low gear 18T						
12	PT108B	Bush, mainshaft for clutch rod						
13	T957	Gear, mainshaft high 24T						
14	T955	Gear, mainshaft 2nd 21T						
15	T1179	Gear, mainshaft 3rd 23T						
16	T920	Bush, mainshaft high gear						
17	T959	Layshaft and high gear 22T						
18	T961	Gear, layshaft low 28T						
19	T963	Gear, layshaft 2nd 25T						
20	T964	Gear layshaft 3rd 23T						
21	T928	Bush, layshaft low gear						
22	T983	Plug, speedometer drive sealing						
23	T948	Washer, speedometer drive plug						

Gear Ratios. Suitable ratios can be selected from the three groups which will enable the rider to operate his machine for normal road work or sporting events. To vary the ratios of any group, engine sprockets ranging from 17 to 25 teeth are available.

On the page opposite there will be found a R.P.M. and Gear Ratio Chart, which will assist the rider in making his selection.



R P M AND GEAR CHARTS

ENGINE REVOLUTIONS PER MINUTE

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
20	1144	1188	1244	1300	1354	1428	1480	1508	1560	1624	1688	1796	1836	1856	1948	2080	2300	2528	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	3425	3765	3965	4630	4955	5200	5765	6125	
30	1716	1782	1866	1950	2046	2142	2220	2262	2340	2435	2534	2694	2754	2784	2922	3120	3455	3855	4134	4518	4718	5418	5985	6240	6942		
35	2002	2079	2177	2275	2387	2499	2590	2639	2730	2842	2954	3143	3213	3248	3409	3640	4025	4459	4823	5271	5531	6321	6510	6937			
40	2288	2376	2488	2600	2728	2856	2960	3016	3120	3248	3376	3592	3672	3712	3898	4160	4605	5092	5512	6024	6344						
45	2574	2676	2799	2925	3069	3213	3330	3393	3510	3654	3798	4041	4131	4172	4383	4680	5175	5733	6261	6777	7137						
50	2860	2970	3110	3250	3410	3570	3700	3770	3900	4060	4220	4490	4580	4640	4870	5200	5750	6370	6990								
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	5064	5388	5508	5564	5844	6240	6900										
70	4004	4158	4354	4550	4774	4998	5180	5278	5460	5664	5864	6286	6426	6496	6831	7260											
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 x 19 Rear tyre equipment—780 R-P-Mile—and will deviate slightly from above figures for models not so equipped.
 4.00 x 18 Rear Tyre 765 R-P-Mile. 3.25 x 19 Rear Tyre 793 R-P-Mile. 4.00 x 19 Rear Tyre 756 R-P-Mile.

GEAR RATIOS

GEARS	STANDARD RATIO			WIDE RATIO			CLOSE RATIO					
	Top	3rd	2nd	1st	Top	3rd	2nd	1st	Top	3rd	2nd	1st
Engine Sprocket												
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	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	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	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	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	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	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	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	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

EXHAUST SYSTEM — GROUP 8

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

EXHAUST SYSTEM—GROUP 8

EXHAUST PIPES

1	E3426	Pipe, exhaust L.H.	...	...	...	1	1	—	—	—	—
2	E3462	Pipe, exhaust L.H.	...	...	...	—	—	1	—	—	—
3	E3346	Pipe, exhaust L.H.	...	...	...	—	—	—	1	—	—
4	E3347	Pipe, exhaust L.H.	...	...	...	—	—	—	—	1	—
5	E3472	Pipe, exhaust L.H.	...	...	...	—	—	—	—	—	1
6	E3350	Pipe, exhaust R.H.	...	...	...	1	1	—	—	1	—
7	E3463	Pipe, exhaust R.H.	...	...	...	—	—	1	—	—	—
8	E3349	Pipe, exhaust R.H.	...	...	...	—	—	—	1	—	—
9	E3473	Pipe, exhaust R.H.	...	...	...	—	—	—	—	—	1
10	E1269	Clip, exhaust to cylinder head	...	...	...	2	2	2	2	2	2
11	E3469	Clip, exhaust to extension pipe	...	...	...	—	—	1	—	—	1
12	E409	Bolt, exhaust clip $1\frac{3}{16}$ " U/H	...	...	...	2	2	2	2	2	2
13	E410A	Washer, exhaust clip bolt	...	...	...	2	2	2	2	2	2
14	TE164E	Bolt, exhaust clip $1\frac{3}{16}$ " U/H	...	...	...	—	—	1	—	—	1
15	TE164C	Nut, exhaust clip bolt (D shape)	...	...	...	—	—	1	—	—	1
16	TE164D	Washer, exhaust clip bolt (D shape)	...	...	...	—	—	1	—	—	1
17	E2989	Bracket, exhaust pipe to engine plate (L.H.)	...	...	...	1	1	—	1	1	—
18	E2990	Bracket, exhaust pipe to engine plate (R.H.)	...	...	...	1	1	—	1	1	—
19	DS57	Bolt, exhaust pipe to bracket $\frac{7}{16}$ " U/H	...	...	...	2	2	—	2	2	—
20	S26-2	Washer, exhaust pipe to bracket bolt	...	...	...	2	2	1	2	2	1
21	F879	Nut, exhaust pipe to bracket bolt	...	...	...	2	2	1	2	2	1
22	F1369	Bolt, exhaust pipe clip $\frac{5}{8}$ " U/H	...	...	...	—	—	1	—	—	1
23	F1699	Clip, pipe to backstay	...	...	...	—	—	1	—	—	1

SILENCER

24	E3323	Silencer, L.H.	...	...	...	1	1	—	1	1	—
25	E3324	Silencer, R.H.	...	...	...	1	1	—	1	1	—
26	E3470	Silencer	...	...	...	—	—	1	—	—	1
27	F3805	Bolt, silencer hanger $1\frac{5}{16}$ " U/H	...	...	...	2	2	—	2	2	—
28	F1213	Bolt, silencer hanger $\frac{11}{16}$ " U/H	...	...	...	—	—	1	—	—	1
29	SI-51	Nut, silencer hanger bolt	...	...	...	2	2	1	2	2	1
30	S25-3	Washer, silencer hanger bolt nut	...	...	...	2	2	1	2	2	1
31	E3428	Clip, silencer to exhaust pipe	...	...	...	2	2	—	2	2	—
32	E3469	Clip, silencer to exhaust pipe	...	...	...	—	—	1	—	—	1
33	TE164E	Bolt, silencer to exhaust pipe clip $1\frac{3}{16}$ " U/H	...	...	...	—	—	1	—	—	1
34	TE164C	Nut, silencer to exhaust pipe clip	...	...	...	—	—	1	—	—	1
35	TE164D	Washer, silencer to exhaust pipe clip	...	...	...	—	—	1	—	—	1
36	F1369	Bolt, silencer to exhaust pipe clip $\frac{5}{8}$ " U/H	...	...	...	2	2	—	2	2	—
37	S26-2	Washer, clip bolt nut	...	...	...	2	2	—	2	2	—
38	F879	Nut, clip bolt	...	...	...	2	2	—	2	2	—
39	F3861	Stay, clip bolt to frame	...	...	...	2	2	—	2	2	—

GROUP 8 — EXHAUST SYSTEM

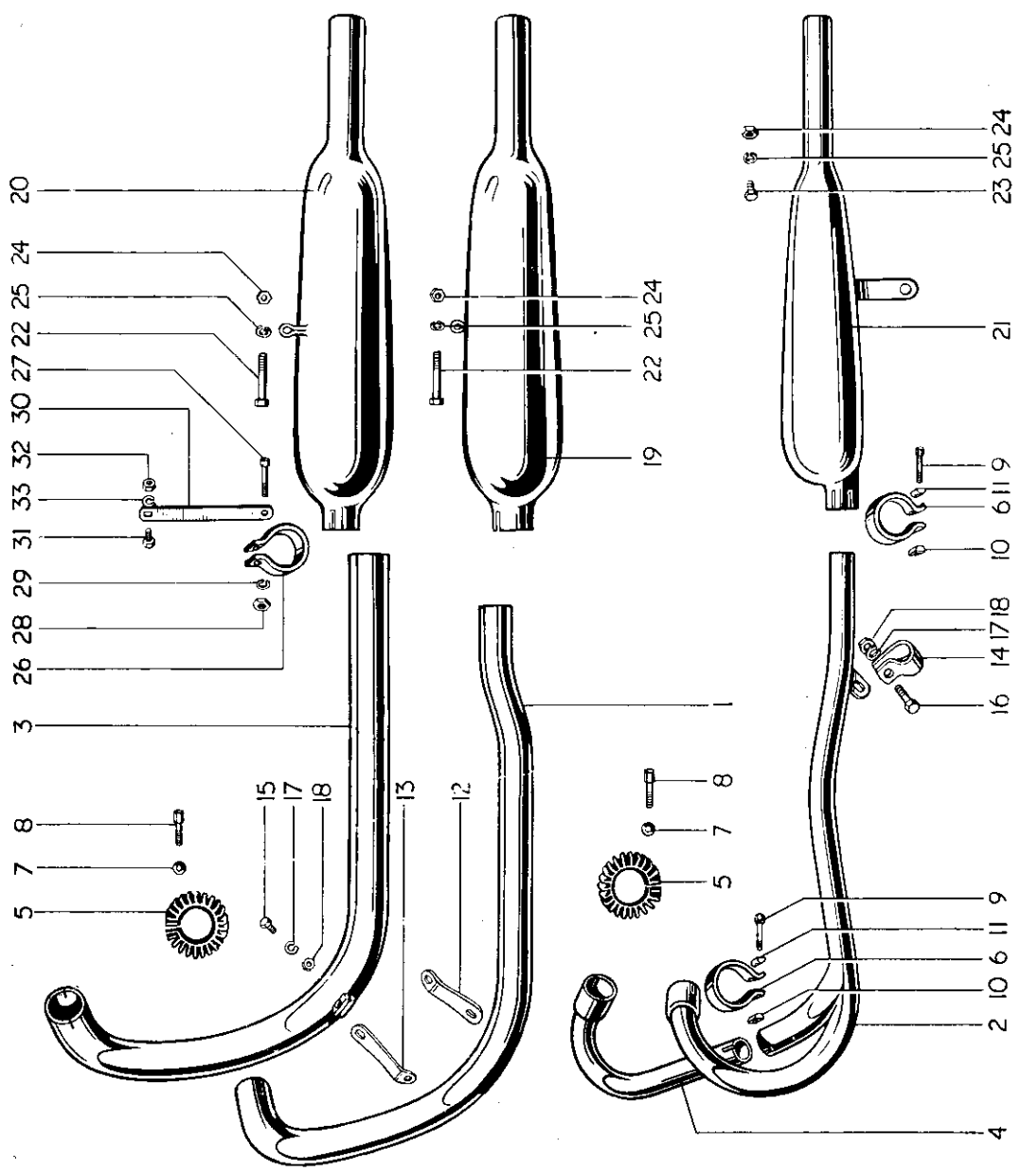


FIG. 12. EXHAUST PIPES AND SILENCERS

EXHAUST SYSTEM — GROUP 8

REF. No.	PART No.	DESCRIPTION	5T	6T	TR5	T100	T110	TR6
1	F3641	Stud, stay to frame $\frac{1}{8}$ " O/A	1	1	—	1	1	—
2	S26-3	Washer, fixing nut	1	1	—	1	1	—
3	S1-51	Nut, stay stud	1	1	—	1	1	—

INDEX FIG. 12

Illust. No.	Part No.	Page No.	Ref. No.	Illust. No.	Part No.	Page No.	Ref. No.
1	E3426	45	1	15	D557	45	19
	E3346	45	3	16	F1369	45	22
	E3347	45	4	17	S26-2	45	20
2	E3462	45	2	18	F879	45	21
	E3472	45	5	19	E3323	45	25
3	E3349	45	8	20	E3324	45	26
	E3350	45	6	21	E3470	45	27
4	E3463	45	7	22	F3805	45	28
	E3473	45	9	23	F1213	45	29
5	E1269	45	10	24	S1-51	45	30
6	E3469	45	11	25	S25-3	45	31
7	E410A	45	13	26	E3428	45	32
8	E409	45	12	27	F1369	45	37
9	TE164E	45	14	28	S26-2	45	38
10	TE164C	45	15	29	F879	45	39
11	TE164D	45	16	30	F3861	45	40
12	E2989	45	17	31	F3641	47	1
13	E2990	45	18	32	S1-51	47	3
14	F1699	45	23	33	S26-3	47	2

GROUP 9 - FRAME

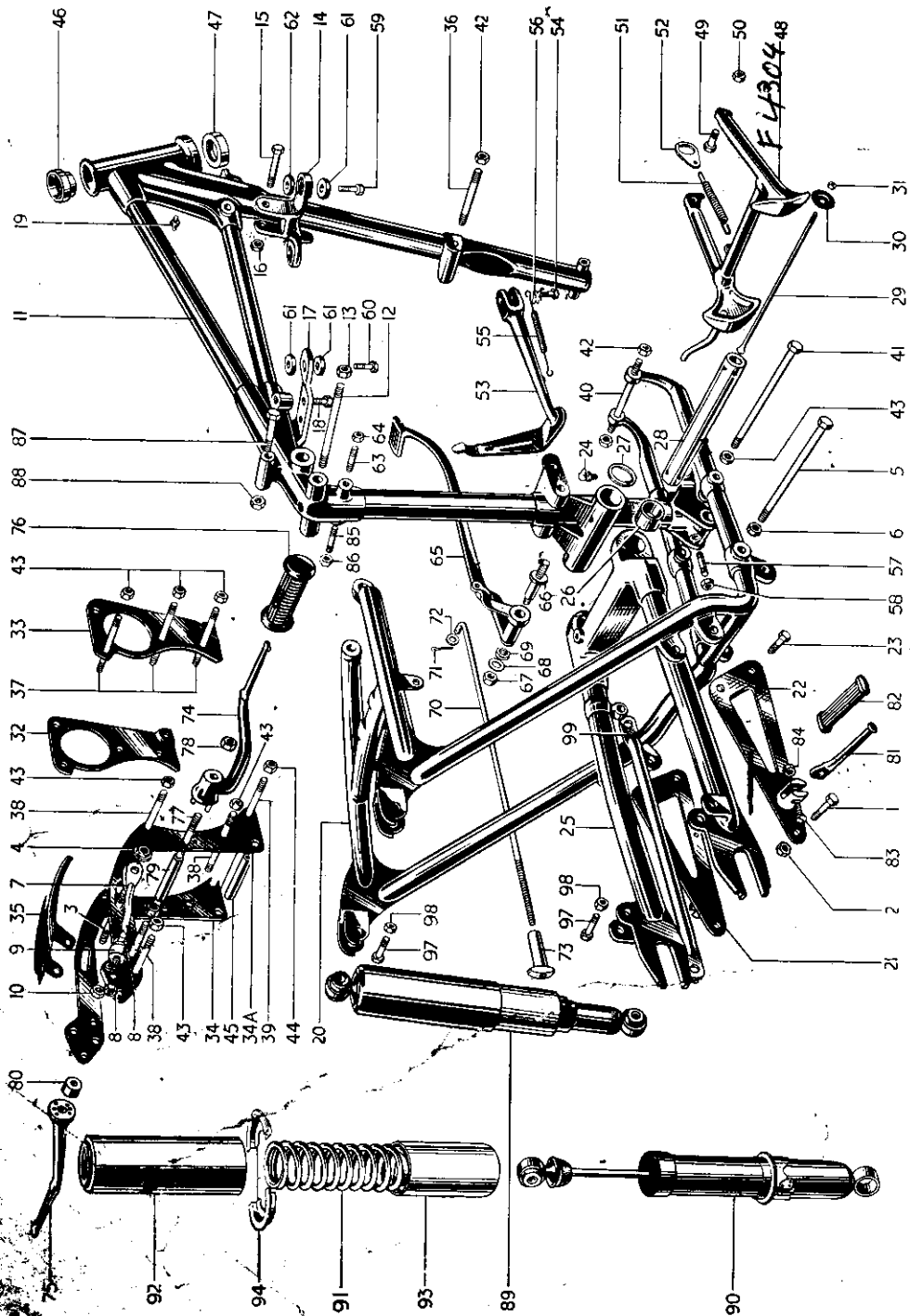


FIG. 13. FRAME

INDEX FIG. 13

Illust. No.	Part No.	Page No.	Ref. No.	Illust. No.	Part No.	Page No.	Ref. No.	Illust. No.	Part No.	Page No.	Ref. No.
1	F3805	45	27	33	F2647	52	3	66	F867	83	2
2	SI-51	45	29	34	E2223	52	4	67	SI-52	83	5
3	F3769	36	28	34A	F3760	52	5	68	S25-2	83	6
4	F3772	36	31	35	F3541	52	6	69	S26-16	83	7
5	F3575	37	1	36	F3571	53	2	70	F3597	83	8
6	DS47	37	2	37	F2414	53	3	71	Split Pin	83	9
7	F3768	37	4	38	F1711	53	4	72	S25-13	83	10
8	SI-51	37	6	39	F839	53	5	73	F3667	83	12
9	F3767	37	7	40	F3665	53	6	74	F3593	83	13
10	PO172A	37	9	41	F1680	53	7	75	F987	83	14
11	F3904	50	1	42	F3108	53	8	76	NF704	83	15
12	FI561	50	21	43	DS47	53	9	77	F3592	83	16
13	PO172A	50	22	44	PO172A	53	10	78	DS48	83	17
14	FI841	50	6	45	SI-52	53	11	79	F862	83	19
15	F3900	50	7	46	F862	53	14	80	T87	83	20
16	FI451	50	8	47	HI11	58	27	81	FI694	83	21
17	SI-52	50	9	48	HI11	58	27	82	FI695	83	22
18	F4031	50	10	49	F4304	51	19	83	F2271	83	23
19	F3816	50	14	50	F3619	51	20	84	SI-51	83	24
20	NW100	50	24	51	F2725	51	21	85	F3641	84	11
21	F3635	50	25	52	F3617	51	22	86	FI008	84	12
22	F3718	50	26	53	F3618	51	23	87	E2593	107	3
23	F3580	50	27	54	F3723	51	24	88	F3006	107	4
24	52603	50	28	55	F3097	51	25	89	SI-51	107	6
25	KW194	50	32	56	F2610	51	26	90	See page 108		
26	F3778	51	1	57	F3096	51	27	91	See page 108		
27	F3690	51	2	58	F3641	47	1	92	See page 108		
28	F3574	51	3	59	SI-51	47	3	93	9054/46	108	23
29	F3564	51	4	60	F1608	73	13	94	9054/47	108	24
30	F3797	51	5	61	F966	73	14	95	9054/43	108	25
31	F3798	51	6	62	F967	73	15	97	E2113	108	28
32	F3799	51	7	63	F1813	73	16	98	PO172A	108	30
	F2646	52	1	64	F3641	74	11	99	F3774	51	8
	E7222	52	2	65	FI008	74	12				
					F3595	83	1				

GROUP 9 — FRAME

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

FRONT PORTION

1	F3904	Frame, front portion	1	1	1	1	1	1
2	F3906	Bolt, steering stop $\frac{9}{16}$ " U/H	2	2	—	2	2	—
3	F3907	Bolt, steering stop (Export Tigers only) $\frac{11}{16}$ " U/H	—	—	2	A	A	2
4	T224	Locknut, stop bolt	2	2	—	2	2	—
5	E2287	Washer, stop bolt	—	—	2	A	A	2
6	F1841	Support, petrol tank front	1	1	—	1	1	—
7	F3900	Support, petrol tank front (Export Tigers only)	—	—	1	A	A	1
8	F1451	Bolt, petrol tank front support $2\frac{1}{16}$ " U/H	1	1	1	1	1	1
9	SI-52	Nut, petrol tank front support	1	1	1	1	1	1
10	F4031	Support, petrol tank rear	1	1	1	1	1	1
11	F3814	Cup, tank support rubbers	4	4	4	4	4	4
12	F967	Washer, rubber top	2	2	2	2	2	2
13	F3815	Washer, rubber spigotted lower	2	2	2	2	2	2
14	F3816	Bolt, tank support to frame $1\frac{3}{16}$ " U/H	2	2	2	2	2	2
15	E3308	Stay, engine to frame torque	2	2	2	2	2	2
16	F2603	Bolt torque stay to frame lug $\frac{1}{8}$ " U/H	1	1	1	1	1	1
17	SI-51	Nut, torque stay bolt	1	1	1	1	1	1
18	S26-3	Washer, torque stay bolt	1	1	1	1	1	1
19	SI-52	Nut, torque stay to engine bolt	2	2	2	2	2	2
20	S26-1	Washer, torque stay to engine bolt	2	2	2	2	2	2
21	F1561	Stud, seat lug to back stays $5\frac{5}{16}$ " O/A	1	1	1	1	1	1
22	PO172A	Nut, seat lug to back stays stud	2	2	2	2	2	2
23	S26-1	Washer, seat lug to back stays stud	2	2	2	2	2	2

SEE FRONT FORK GROUP FOR STEERING RACES PAGE 58

REAR PORTION

24	F3635	Frame, rear portion	1	1	1	1	1	1
25	F3718	Support bracket L.H. silencer	1	1	1	1	1	1
26	F3580	Support bracket R.H. silencer	1	1	1	1	1	1
27	F2603	Bolt, bracket to frame $\frac{1}{8}$ " U/H	1	1	1	1	1	1
28	E1396	Stud, bracket to frame $1\frac{1}{16}$ " O/A	2	2	2	2	2	2
29	SI-51	Nut, bracket to frame bolts and stud	3	3	3	3	3	3
30	S26-3	Washer, bracket to frame bolts and stud	3	3	3	3	3	3
31	KW194	Lubricator, swinging fork	1	1	1	1	1	1
32	WE170	Washer, lubricator	1	1	1	1	1	1

ALWAYS QUOTE COLOURS WHEN ORDERING FRAME PARTS.

**FRAME — GROUP 9
STAND — GROUP 10**

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

STAND—GROUP 10

FRONT STAND

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

CENTRE STAND

19	F3730	Centre stand	1	1	1	1	1	1
20	F3619	Pivot bolt, stand to frame 1 3/8" U:H	2	2	2	2	2	2
21	F2725	Nut, stand to frame bolt	2	2	2	2	2	2
22	F3617	Spring, centre stand	1	1	1	1	1	1
23	F3618	Connecting link, stand spring	1	1	1	1	1	1

PROP STAND

24	F3723	Prop stand	1	1	1	1	1	1
25	F3097	Swivel pin, prop stand 1 1/4" U/H	1	1	1	1	1	1
26	F2610	Spring, tension	1	1	1	1	1	1
27	F3096	Lock washer, swivel pin	1	1	1	1	1	1

GROUP II — ENGINE PLATE

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

ENGINE PLATE—GROUP II

1	F2646	Plate, engine front L.H.	...	...	...	|	|	—	—	—	—
2	E2222	Plate, engine front L.H.	...	...	...	—	—	|	|	|	|
3	F2647	Plate, engine front R.H.	...	...	...	|	|	—	—	—	—
4	E2223	Plate, engine front R.H.	...	...	...	—	—	|	|	|	|
5	F3760	Plate, engine rear L.H.	...	...	...	...	...	|	|	|	|
6	F3541	Plate, engine rear R.H.	...	...	...	|	|	|	|	|	|
7	F3688	Undershield, crankcase	...	...	...	—	—	|	—	—	|

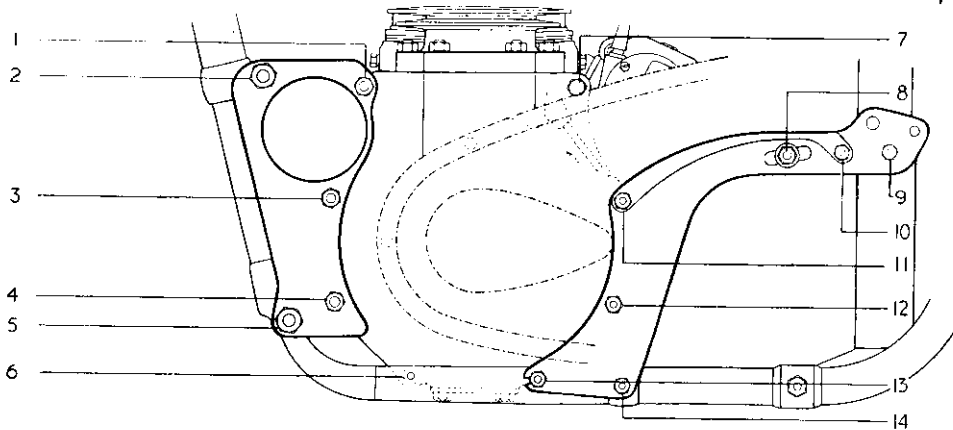


FIG. 14. ENGINE PLATE—STUDS, BOLTS, NUTS AND WASHERS

INDEX FIG. 14

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	F3772	Nut T.S.	
	DS47	Nut	9, 10, 11 and 12	F839	Stud
	PCW73A	Spring Washer		PO172A	Nut
S26-1	Spring Washer	S26-1		Spring Washer	
5	F1680	Stud	13	F3665	Stud
	DS47	Nut		S1-52	Nut
	PCW73A	Spring Washer		S26-1	Spring Washer
6	T456	Stud	14	F3108	Bolt
	S1-51	Nut		PO172A	Nut
	S25-3	Washer		S26-1	Spring Washer
7	E1555	Bolt			
	S25-3	Washer			

ENGINE PLATE — GROUP 11 TELESCOPIC FRONT FORK — GROUP 12

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

FRONT FORK—GROUP 12

15	H994	Fork assembly	1	—	—	—	—	—
16	H995	Fork assembly	—	—	—	1	1	—
17	H996	Fork assembly	—	1	—	—	—	—
18	H956	Fork assembly	—	—	1	—	—	1
19	H663A	Lug, fork head top	1	1	—	1	1	—
20	H380	Lug, fork head top c/w clips	—	—	1	—	—	1
21	F1760	Bolt, fork head top lug pinch $1\frac{11}{16}$ " U/H	1	1	1	1	1	1
22	H379	Nut, fork head top bolt	1	1	1	1	1	1
23	H660	"U" bolt, handlebar clamp	2	2	—	2	2	—
24	S25-3	Washer, handlebar clamp	4	4	—	4	4	—
25	SI-51	Nut, handlebar clamp	4	4	—	4	4	—
26	H506	Cap, handlebar clamp	—	—	2	—	—	2
27	H436	Bolt, handlebar clamp cap $\frac{7}{8}$ " U/H	—	—	4	—	—	4
28	H942	Crown and stem, fork	1	1	1	1	1	1
29	H405	Nut, crown and stem sleeve	1	1	1	1	1	1
30	H941	Bolt, crown and stem to stanchion $2\frac{1}{4}$ " U/H	2	2	2	2	2	2
31	E2412	Nut, crown and stem to stanchion	2	2	2	2	2	2
32	S25-2	Washer, crown and stem to stanchion	2	2	2	2	2	2

GROUP 12 - TELESCOPIC FRONT FORK

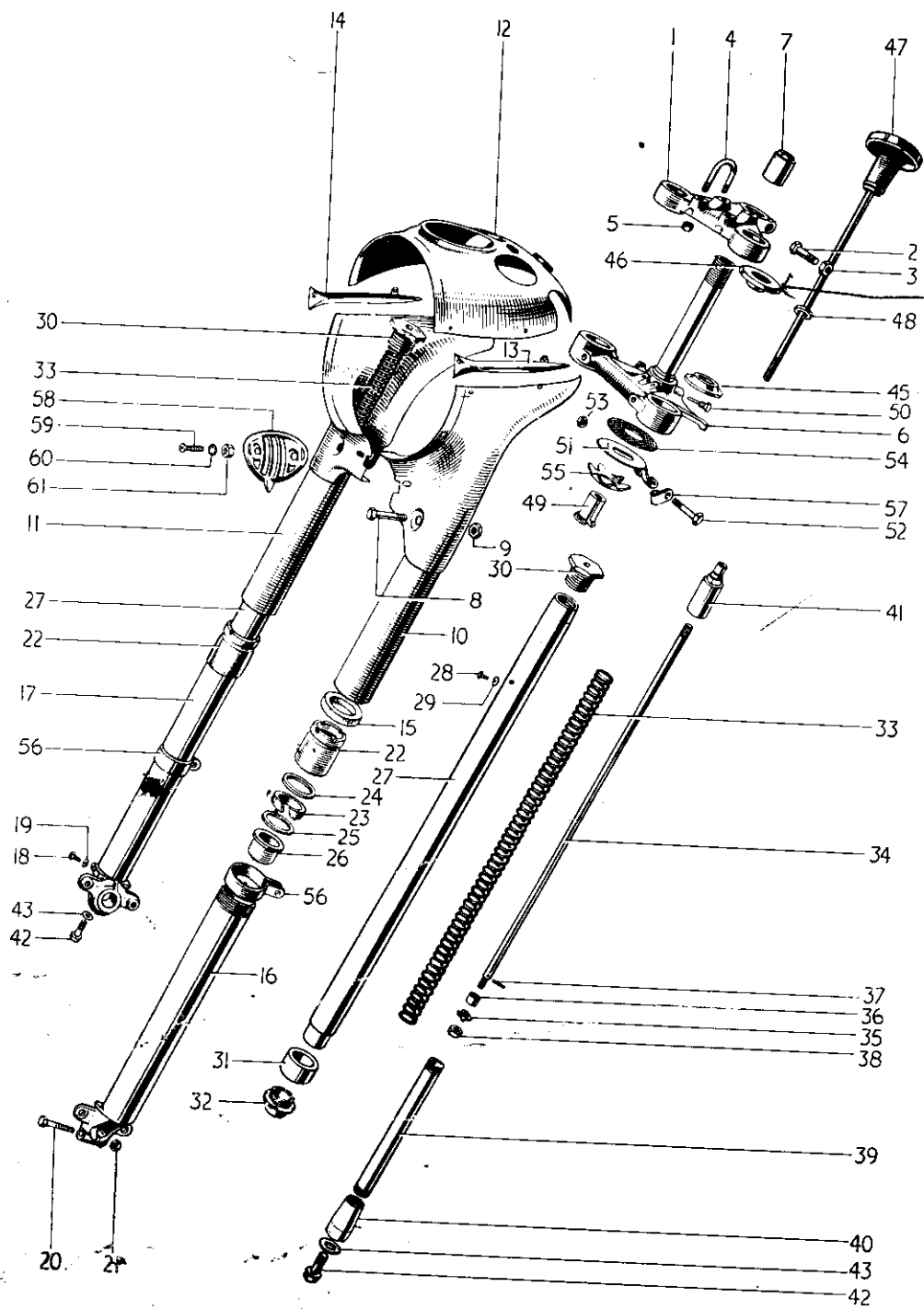


FIG. 15. TELESCOPIC FORK

TELESCOPIC FRONT FORK – GROUP 12

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

INDEX FIG. 15

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

GROUP 12 - TELESCOPIC FRONT FORK

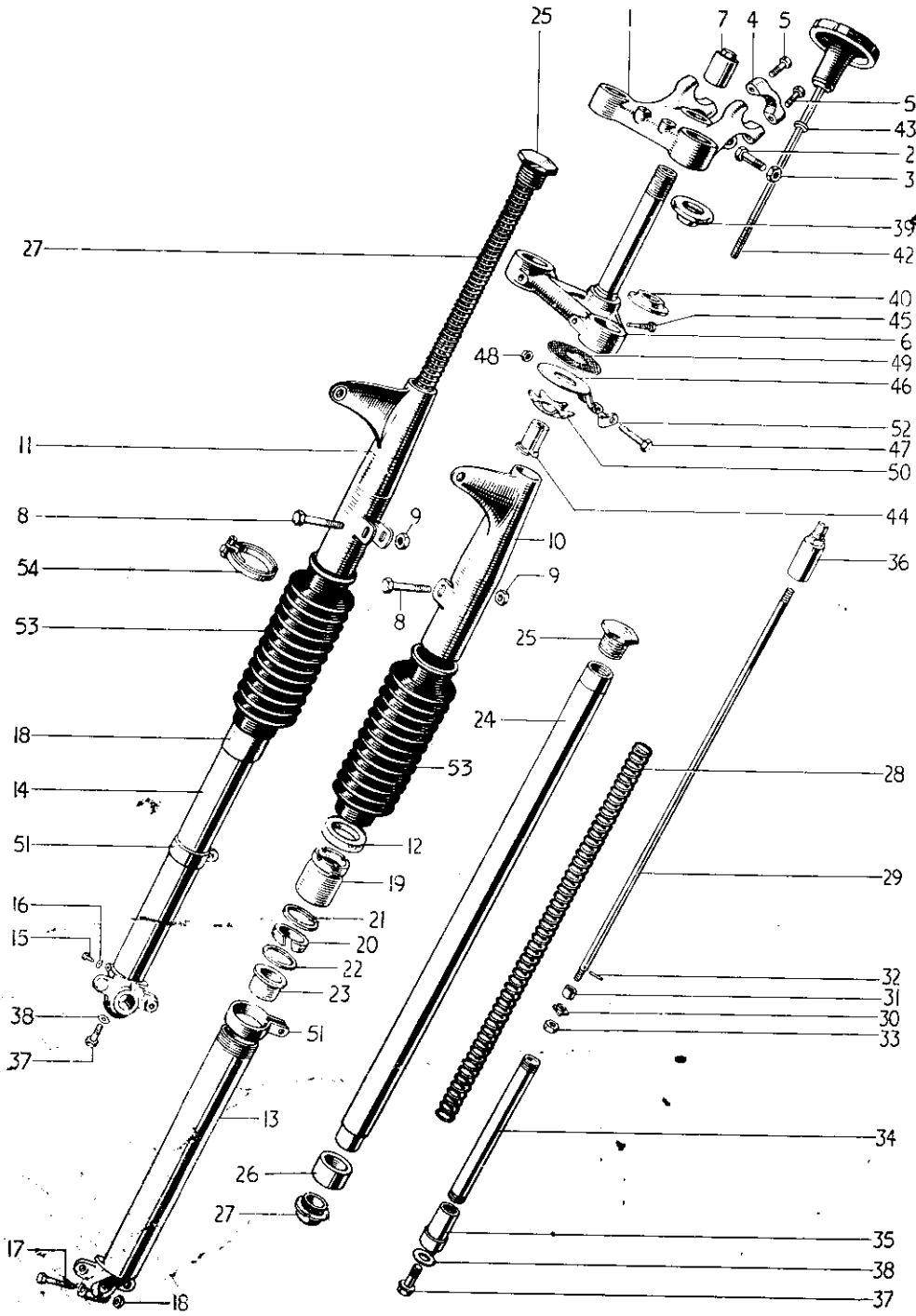


FIG. 16. TELESCOPIC FORK (TROPHY)

TELESCOPIC FRONT FORK — GROUP 12

REF. No.	PART No.	DESCRIPTION	5T	6T	TR5	T100	T110	TR6
1	E2880	Nut, motif front	2	2	—	2	2	—
2	H687	Screw, top unit to nacelle cover $\frac{3}{8}$ " U/H	2	2	—	2	2	—
3	H420	Washer, cover tube felt	2	2	2	2	2	2
4	H414	Cover, bottom tube with spindle lug L.H. ...	1	1	1	1	1	1
5	H415	Cover, bottom tube with spindle lug R.H. ...	1	1	1	1	1	1
6	H519	Plug, cover tube bottom drain $\frac{1}{4}$ " U/H	2	2	2	2	2	2
7	H430	Washer, cover tube bottom drain	2	2	2	2	2	2
8	F1760	Bolt, spindle lug pinch L.H. $1\frac{1}{8}$ " U/H	1	1	1	1	1	1
9	H379	Nut, spindle lug pinch L.H.	1	1	1	1	1	1
10	H390	Sleeve, cover tube dust excluder	2	2	2	2	2	2
11	H391	Washer, cover tube dust excluder felt ...	2	2	2	2	2	2
12	H445	Washer, inner—for H391	2	2	2	2	2	2
13	H431	Washer, outer—for H391	2	2	2	2	2	2
14	H992	Horn grille (replaces Pilot Lamp)	1	1	—	1	1	—
15	H993	Screw, grille fixing 0.540" U/H	2	2	—	2	2	—
16	GS299	Washer, shakeproof	2	2	—	2	2	—
17	F3799	Nut, fixing screw	2	2	—	2	2	—

INDEX FIG. 16

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

GROUP 12 — TELESCOPIC FRONT FORK

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

STEERING CUPS, CONES AND BALLS

27	H111	Cup, frame lug, top and bottom	2	2	2	2	2	2
28	H1018	Cone, head lug top, c/w dust cover	1	1	1	1	1	1
29	H439	Cone, crown and stem, bottom	1	1	1	1	1	1
30	S70-3	Ball, top and bottom race $\frac{1}{4}$ "	40	40	40	40	40	40

STEERING DAMPER

31	H536	Knob, c/w rod	1	1	1	1	1	1
32	H565	Washer, damper knob abutment	1	1	1	1	1	1
33	H408	Sleeve, damper adjusting	1	1	1	1	1	1
34	H409	Pin, sleeve securing	1	1	1	1	1	1
35	H413	Plate, damper anchor	1	1	1	1	1	1
36	F1718	Bolt, damper anchor plate $1\frac{1}{8}$ " U/H	1	1	1	1	1	1
37	S151	Nut, damper anchor plate	1	1	1	1	1	1
38	H435	Disc, damper anchor plate friction	1	1	1	1	1	1
39	H95	Spring, damper anchor plate	1	1	1	1	1	1

FRONT WHEEL — GROUP 13

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

FRONT WHEEL—GROUP 13

1	W937	Wheel, front complete ... ..	|	|	—	—	—	—
2	W944	Wheel, front complete ... ..	—	—	|	—	—	|
3	W1162	Wheel, front complete ... ..	—	—	—	|	|	—
4	W938	Wheel, front less internal and brake fittings	|	|	—	—	—	—
5	W945	Wheel, front less internal and brake fittings	—	—	|	—	—	|
6	W1163	Wheel, front less internal and brake fittings	—	—	—	|	|	—
7	W351	Rim, front wheel WM2-19 ... ..	|	|	—	|	|	—
8	W870	Rim, front wheel WMI-20 ... ..	—	—	|	—	—	|
9	*W660	Spoke, long $8\frac{11}{16}$ " × 10G—88° L.H.	10	10	—	10	10	—
10	*W661	Spoke, long $8\frac{11}{16}$ " × 10G—90° L.H.	10	10	—	10	10	—
11	*W354	Spoke long, $9\frac{3}{8}$ " × 10G—78° L.H.	—	—	10	—	—	10
12	*W354X	Spoke, long $9\frac{3}{8}$ " × 10G—99° L.H.	—	—	10	—	—	10
13	*W933	Spoke, short $6\frac{3}{8}$ " × 10G—83° R.H.	10	10	—	—	—	—
14	*W934	Spoke, short $6\frac{3}{8}$ " × 10G—94° R.H.	10	10	—	—	—	—
15	*W1166	Spoke, short—80° R.H. Butted	—	—	—	10	10	—
16	*W1167	Spoke, short—95° R.H. Butted	—	—	—	10	10	—
17	*W942	Spoke, short $7\frac{1}{8}$ " × 10G—81° R.H.	—	—	10	—	—	10
18	*W943	Spoke, short $7\frac{1}{8}$ " × 10G—96° R.H.	—	—	10	—	—	10
19	S79-2	Nipple, spoke	40	40	40	40	40	40
20	W573A	Hub ... ..	|	|	|	|	|	|
21	W940	Drum, brake ... ..	|	|	|	—	—	|
22	W1165	Drum, brake ... ..	—	—	—	|	|	—
23	W62	Bolt, brake drum to hub $\frac{11}{16}$ " U;H	8	8	8	8	8	8
24	SI-51	Nut, brake drum to hub	8	8	8	8	8	8
25	W63	Lockplate, drum nut	4	4	4	4	4	4
26	W578	Spindle, front wheel hub ... ..	|	|	|	|	|	|
27	W761	Sleeve and collar, spindle ... ..	|	|	|	|	|	|
28	W544	Nut, spindle ... ..	|	|	|	|	|	|
29	W545	Washer, spindle nut ... ..	|	|	|	|	|	|
30	W653	Bearing, front wheel hub	2	2	2	2	2	2
31	W581	Distance piece, bearing ... ..	|	|	|	|	|	|
32	W582	Ring nut, bearing retaining ... ..	|	|	|	|	|	|
33	W583	Cap, bearing dust ... ..	|	|	|	|	|	|
34	WMI	Bolt, tyre security ... ..	—	—	|	—	—	|

*Supplied complete with nipple (S79-2).

FRONT WHEEL BRAKE

35	W585	Plate, front brake anchor ... ..	|	|	|	—	—	|
36	W1073	Plate assembly, front brake anchor ... ..	—	—	—	|	|	—
37	W1059	Gauze, front brake anchor plate ... ..	—	—	—	|	|	—
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 ... ..	|	|	|	—	—	|
41	W758	Pin, front brake shoe fulcrum ... ..	—	—	—	|	|	—
42	PO172A	Nut, fulcrum pin ... ..	|	|	|	|	|	|
43	E2288	Washer, fulcrum pin ... ..	|	|	|	|	|	|

GROUP 13 - FRONT WHEEL

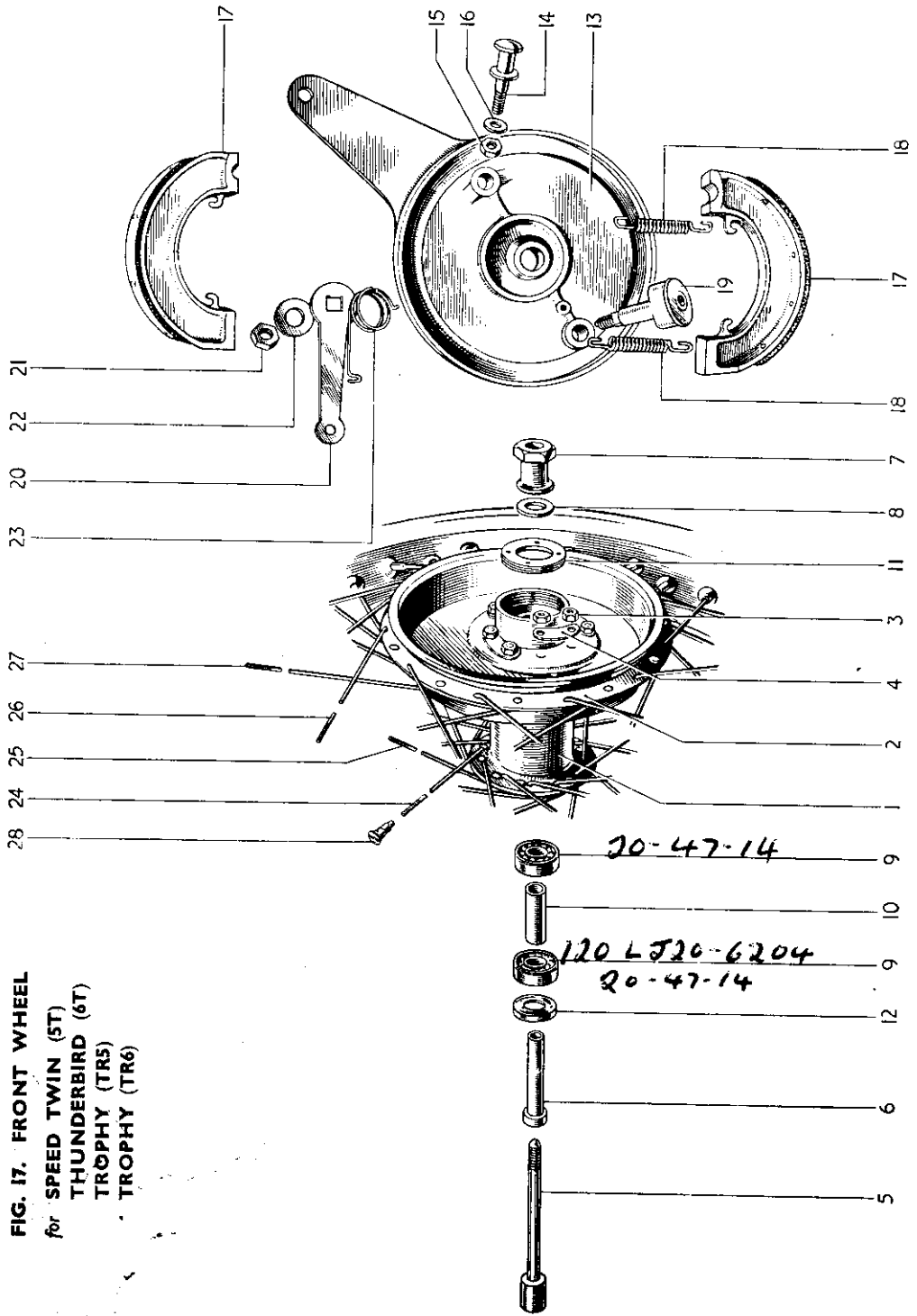


FIG. 17. FRONT WHEEL
 for SPEED TWIN (5T)
 THUNDERBIRD (6T)
 TROPHY (TR5)
 TROPHY (TR6)

FRONT WHEEL – GROUP 13

REF. No.	PART No.	DESCRIPTION	5T	6T	TR5	T100	T110	TR6
1	W93	Shoe, brake c/w lining	2	2	2	—	—	2
2	W1086	Shoe, brake c/w lining, leading	—	—	—	1	1	—
3	W1087	Shoe, brake c/w lining, trailing	—	—	—	1	1	—
4	NW243	Lining, brake shoe	2	2	2	—	—	2
5	W631	Lining, brake shoe	—	—	—	2	2	—
6	W129	Rivets, brake shoe lining	16	16	16	16	16	16
7	W135	Spring, brake shoe return	2	2	2	2	2	2
8	W386A	Cam, brake operating	1	1	1	—	—	1
9	W780	Cam, brake operating	—	—	—	1	1	—
10	W589	Lever, brake cam	1	1	1	1	1	1
11	S1-52	Nut, brake cam lever	1	1	1	1	1	1
12	S25-6	Washer, brake cam lever	1	1	1	1	1	1
13	W592	Spring, brake cam lever return	1	1	1	1	1	1
14	WF32	Pin, brake cam lever pivot	1	1	1	1	1	1
15		$\frac{1}{16}$ " \times $\frac{1}{2}$ " Split pin, pivot pin	1	1	1	1	1	1
16	W1197	Weight, wheel balance, $\frac{3}{4}$ "	} T100 and T110 as required					
17	W1198	Weight, wheel balance, 1"						

INDEX FIG. 17

Illust. No.	Part No.	Page No.	Ref. No.	Illust. No.	Part No.	Page No.	Ref. No.
1	W537A	59	20	17	W93	61	1
2	W940	59	21	18	W135	61	7
3	S1-51	59	24	19	W386A	61	8
4	W63	59	25	20	W589	61	10
5	W578	59	26	21	S1-52	61	11
6	W761	59	27	22	S25-6	61	12
7	W544	59	28	23	W592	61	13
8	W545	59	29	24	W661	59	10
9	W653	59	30		W354X	59	12
10	W581	59	31	25	W660	59	9
11	W582	59	32		W354	59	11
12	W583	59	33	26	W933	59	13
13	W585	59	35		W942	59	17
14	W588	59	40	27	W934	59	14
15	PO172A	59	42		W943	59	18
16	E2288	59	43	28	S79-2	59	19

GROUP 13 - FRONT WHEEL

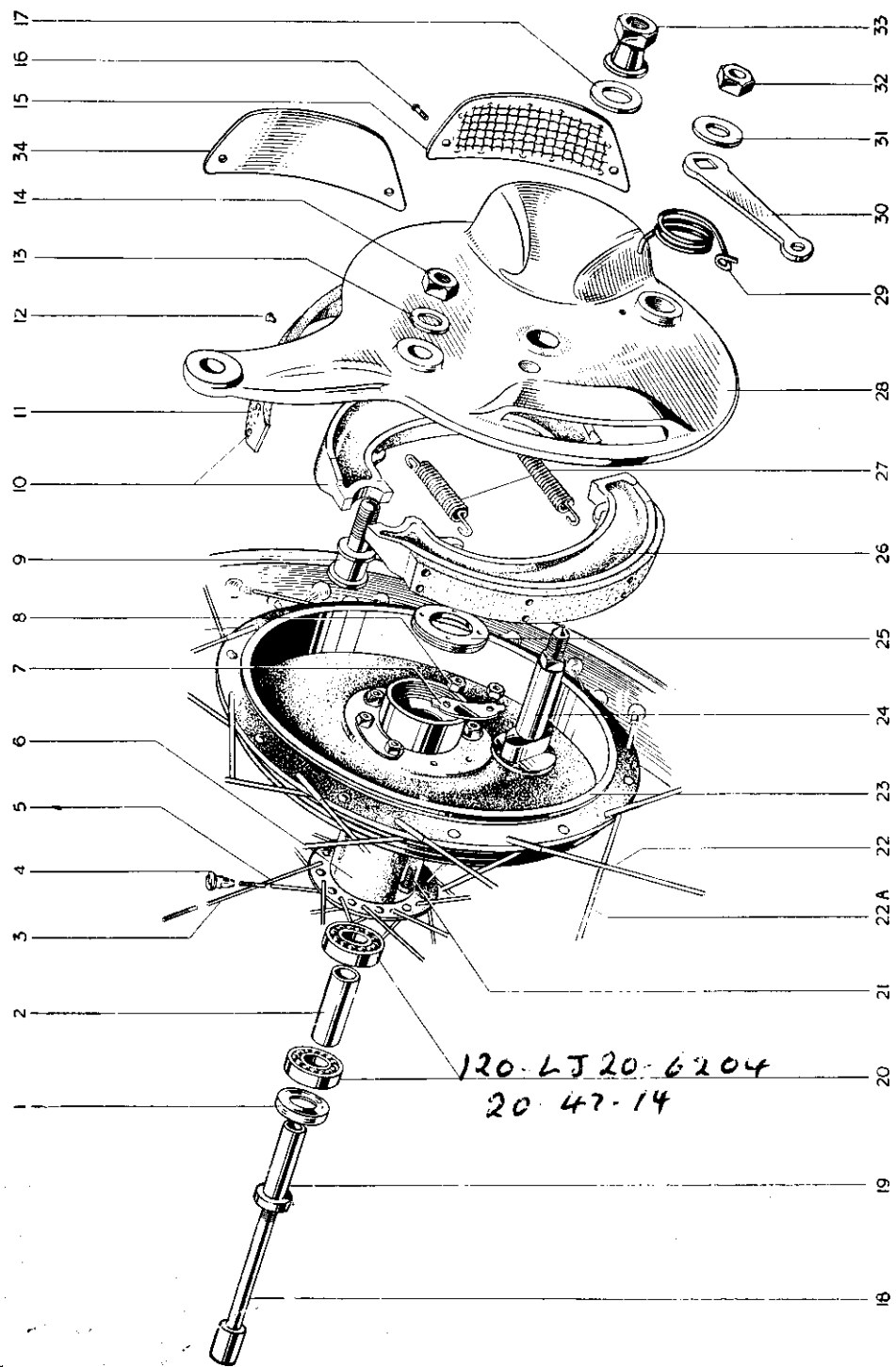


FIG. 18. FRONT WHEEL—TIGER 100 (T100) AND TIGER 110 (T110)

FRONT WHEEL – GROUP 13

INDEX FIG. 18

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

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GROUP 14 - REAR WHEEL

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

REAR WHEEL—GROUP 14

1	W1110	Wheel, rear complete	1	1	1	1	1	1
2	W1215	Wheel, rear complete	—	—	—	—	—	—
3	W1068	Wheel, less internals and brake fittings	1	1	1	1	1	1
4	W1216	Wheel, less internals and brake fittings	—	—	1	—	—	1
5	W79A	rim, rear wheel WM2-19	1	1	—	1	1	—
6	W1007	rim, rear wheel WM3-18	—	—	1	—	—	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	*W1126	Spoke, 7 $\frac{1}{8}$ " x 9G 90°	—	—	20	—	—	20
10	*W107	Spoke, 8 $\frac{1}{8}$ " x 9G 80°	10	10	—	10	10	—
11	*W107X	Spoke, 8 $\frac{1}{8}$ " x 9G 97°	10	10	—	10	10	—
12	*W1127	Spoke, 7 $\frac{1}{8}$ " x 9G 100°	—	—	20	—	—	20
13	TW5	Nipple, spoke	40	40	40	40	40	40
14	W1017	Hub	1	1	1	1	1	1
15	W951	Sprocket, and drum (46T)	1	1	1	1	1	1
16	W62	Bolt, sprocket and drum to hub $\frac{1}{8}$ " U/H	8	8	8	8	8	8
17	SI-51	Nut, sprocket and drum to hub	8	8	8	8	8	8
18	W63	Lockplate, sprocket and drum nut	8	8	8	8	8	8
19	W1025	Spindle, rear wheel	1	1	1	1	1	1
20	FI747	Nut, rear wheel spindle	2	2	2	2	2	2
21	W1013	Bearing, rear wheel ball	2	2	2	2	2	2
22	W1022	Ring, bearing backing L.H.	1	1	1	1	1	1
23	W1023	Distance, tube, bearing	1	1	1	1	1	1
24	W1021	Retaining ring, bearing	1	1	1	1	1	1
25	W1079	Locking screw, bearing retaining ring $\frac{1}{8}$ " U/H	1	1	1	1	1	1
26	W1024	Distance piece, L.H. bearing	1	1	1	1	1	1
27	W533	Cap, bearing dust R.H.	1	1	1	1	1	1
28	W1026	Nut, bearing retaining R.H.	1	1	1	1	1	1
29	W1134	Chain adjuster, rear wheel	2	2	2	2	2	2
30	W1015	End plate, adjuster	2	2	2	2	2	2
31	W1058	Nut, adjuster end plate	2	2	2	2	2	2
32	D106	Bolt, tyre security	1	1	—	1	1	—
33	WM3	Bolt, tyre security	—	—	2	—	—	2

* Supplied complete with nipple (TW5).

REAR WHEEL BRAKE

34	W1112	Plate, rear brake anchor	1	1	1	1	1	1
35	FI747	Locknut, rear brake anchor plate	1	1	1	1	1	1
36	W93	Shoe assembly, rear with lining	2	2	2	2	2	2
37	NW243	Lining, rear brake shoe	2	2	2	2	2	2
38	W129	Rivet, brake shoe lining	16	16	16	16	16	16
39	W135	Spring, brake shoe return	2	2	2	2	2	2
40	W1083	Cam assembly rear brake	1	1	1	1	1	1
41	W1085	Lever, rear brake cam	1	1	1	1	1	1
42	SI-52	Nut, rear brake cam lever	1	1	1	1	1	1
43	W1090	Spring, rear brake cam lever return	1	1	1	1	1	1
44	D547	Nut, Torque stay securing	1	1	1	1	1	1
45	NW73A	Washer, torque stay nut	1	1	1	1	1	1

REAR WHEEL - GROUP 1

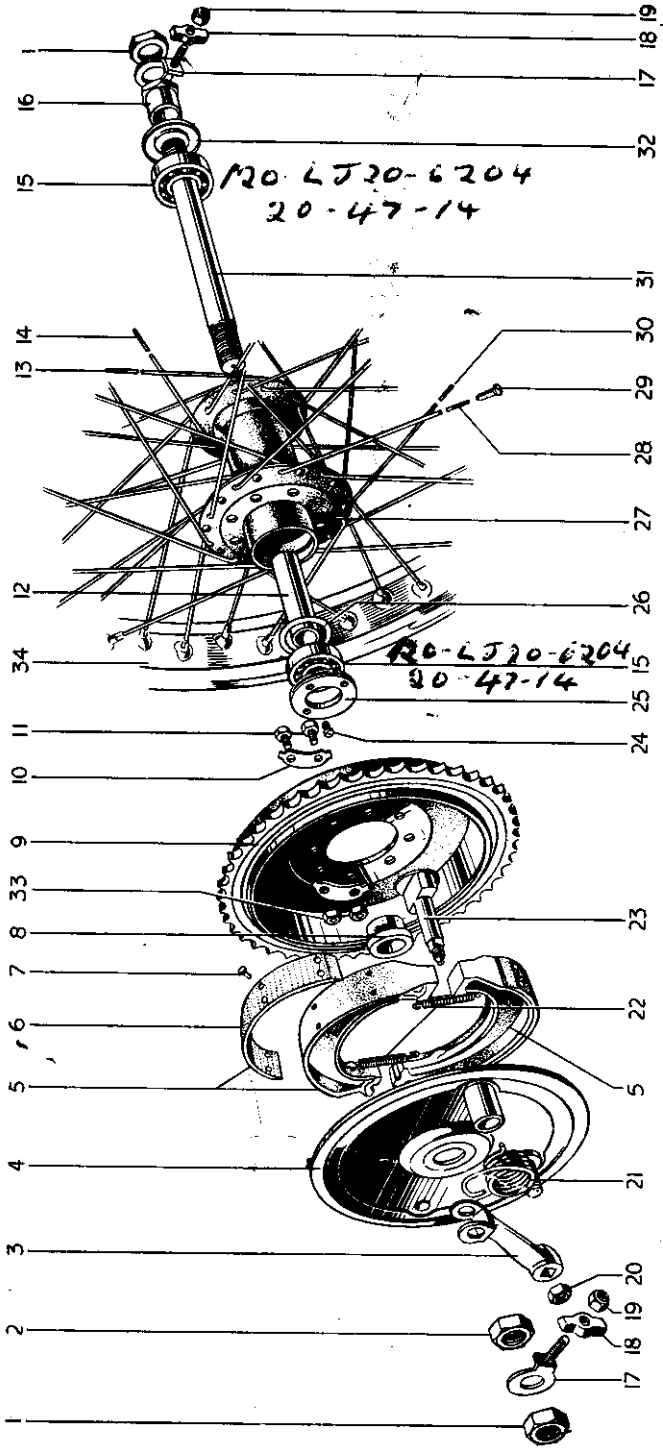


FIG. 19. REAR WHEEL

INDEX FIG. 19

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

GROUP 15 - REAR WHEEL (QUICKLY DETACHABLE)

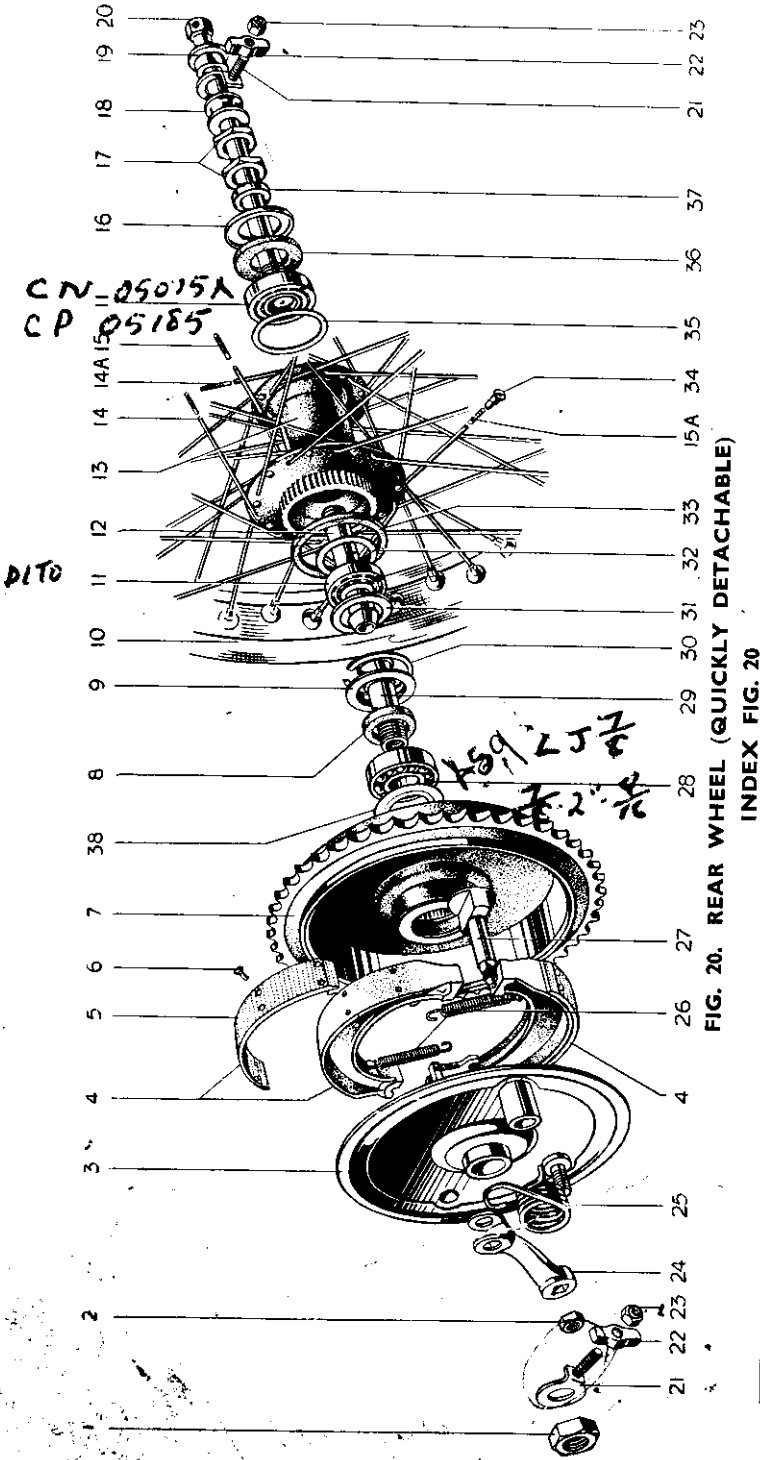


FIG. 20. REAR WHEEL (QUICKLY DETACHABLE)

Illust. No.	Part No.	Page No.	Ref. No.	Illust. No.	Part No.	Page No.	Ref. No.
1	WI1052	67	32	24	WI1085	67	42
2	SI-52	67	41	25	WI1090	67	40
3	WI121	67	38	26	WI135	67	46
4	W93	67	43	27	WI1083	67	39
5	NW243	67	44	28	WI1041	67	24
6	WI129	67	45	29	WI1045	67	28
7	WI1040	67	22	30	WI1044	67	27
8	WI1042	67	25	31	WI1035	67	15
9	WI1043	67	26	32	WI1033	67	13
10	W79A	67	5	33	WI1091	67	21
11	WI1007	67	6	34	TW5	67	11
12	WI1034	67	6	35	WI1033	67	13
13	WI1039	67	14	36	WI1036	67	16
14	WI1029	67	19	37	WI1037	67	17
	NW125X	67	18	38	WI1143	67	23
				14A	WI126	67	9
				15	NW125	67	7
				15A	WI127	67	10
				16	NW125X	67	8
				17	WI127	67	27
				18	NW125X	67	10
				19	WI126	67	8
				20	WI1038	67	9
				21	E398	67	18
				22	WI1053	67	20
				23	WI1170	67	33
				24	WI1055	67	34
				25	WI135	67	35
				26	WI1015	67	29
				27	WI1058	67	30
				28	WI126	67	31
				29	NW125	67	7
				30	WI127	67	10
				31	NW125X	67	8
				32	WI127	67	27
				33	NW125X	67	10
				34	WI126	67	8
				35	WI1038	67	9
				36	E398	67	18
				37	WI1053	67	20
				38	WI1170	67	33

REAR WHEEL (QUICKLY DETACHABLE) — GROUP 15

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

REAR WHEEL (QUICKLY DETACHABLE)—GROUP 15

1	W1119	Wheel, Q.D. rear complete	—	—	—	—	—	—
2	W1124	Wheel, Q.D. rear complete	—	—	—	—	—	—
3	W1028	Wheel, less internals and brake fittings	—	—	—	—	—	—
4	W1125	Wheel, less internals and brake fittings	—	—	—	—	—	—
5	W79A	Rim, WM2-19	—	—	—	—	—	—
6	W1007	Rim, WM3-18	—	—	—	—	—	—
7	NW125	Spoke, 8 $\frac{1}{8}$ " x 9G 76° Timing side	10	10	—	10	10	—
8	NW125X	Spoke, 8 $\frac{1}{8}$ " x 9G 100°	30	30	—	30	30	—
9	W1126	Spoke, 7 $\frac{9}{16}$ " x 9G 90° Drive side	—	—	20	—	—	20
10	W1127	Spoke, 7 $\frac{9}{16}$ " x 9G 100° Timing side	—	—	20	—	—	20
11	TW5	Nipple, spoke	40	40	40	40	40	40
12	W1029	Hub	—	—	—	—	—	—
13	W1033	Backing ring, bearing	2	2	2	2	2	2
14	W1034	Bearing, taper roller	2	2	2	2	2	2
15	W1035	Dust cap, L.H. bearing	—	—	—	—	—	—
16	W1036	Felt washer, R.H. bearing	—	—	—	—	—	—
17	W1037	Distance piece, R.H. bearing	—	—	—	—	—	—
18	W1038	Dust cap, R.H. bearing	—	—	—	—	—	—
19	W1039	Sleeve, bearing and spindle	—	—	—	—	—	—
20	E398	Locknut, bearing and spindle sleeve	2	2	2	2	2	2
21	W1091	Sealing ring, driving flange and brake drum	—	—	—	—	—	—
22	W1040	Brake drum and sprocket 46T	—	—	—	—	—	—
23	W1143	Grease retainer, brake drum bearing	—	—	—	—	—	—
24	W1041	Bearing, brake drum <i>L.S. 9</i>	—	—	—	—	—	—
25	W1042	Felt washer, brake drum bearing	—	—	—	—	—	—
26	W1043	Retainer, brake drum bearing	—	—	—	—	—	—
27	W1044	Circlip, brake drum bearing retainer	—	—	—	—	—	—
28	W1045	Sleeve, brake drum bearing	—	—	—	—	—	—
29	W1135	Adjuster, rear wheel chain	2	2	2	2	2	2
30	W1015	End plate, rear wheel adjuster	2	2	2	2	2	2
31	W1058	Nut, rear wheel adjuster	2	2	2	2	2	2
32	W1052	Nut, bearing sleeve L.H.	—	—	—	—	—	—
33	W1053	Distance collar, spindle	—	—	—	—	—	—
34	W1170	Collar, spindle	—	—	—	—	—	—
35	W1055	Spindle	—	—	—	—	—	—
36	WM2	Bolt, tyre security	—	—	—	—	—	—
37	WM3	Bolt, tyre security	—	—	2	—	—	2

REAR WHEEL BRAKE

38	W1121	Plate, brake anchor	—	—	—	—	—	—
39	W1083	Cam, brake	—	—	—	—	—	—
40	W1090	Return spring, brake lever	—	—	—	—	—	—
41	SI-52	Nut, brake lever	—	—	—	—	—	—
42	W1085	Lever, brake	—	—	—	—	—	—
43	W93	Shoe, rear brake c/w lining	2	2	2	2	2	2
44	NW243	Lining, rear brake shoe <i>10 9247</i>	2	2	2	2	2	2
45	W129	Rivet, rear brake shoe	16	16	16	16	16	16
46	W135	Spring, rear brake shoe	2	2	2	2	2	2
47	DS47	Nut, torque stay securing	—	—	—	—	—	—
48	PCW73A	Washer, torque stay nut	—	—	—	—	—	—

GROUP 16 - MUDGUARD

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

MUDGUARD—GROUP 16

FRONT MUDGUARD

1	H566	Mudguard assembly, less front stays	1	1	—	1	1	—
2	H716	Blade only, front mudguard	—	—	1	—	—	1
3	H569	Stay, front mudguard	2	2	—	2	2	—
4	H719	Stay, front mudguard	—	—	1	—	—	1
5	H532	Clip, front mudguard stay	—	—	2	—	—	2
6	H533	Backing strip, clip	—	—	2	—	—	2
7	DS57	Bolt, stay to mudguard $\frac{7}{16}$ " U/H	2	2	4	2	2	4
8	E1612	Washer, stay to mudguard bolt	2	2	4	2	2	4
9	F879	Nut, stay to mudguard bolt	2	2	4	2	2	4
10	H427	Bridge, mudguard support	1	1	—	1	1	—
11	H717	Bridge, mudguard support	—	—	1	—	—	1
12	H532	Clip, mudguard support bridge	—	—	2	—	—	2
13	H533	Backing strip, clip	—	—	2	—	—	2

INDEX FIG. 21

Illust. No.	Part No.	Page No.	Ref. No.	Illust. No.	Part No.	Page No.	Ref. No.
1	H566	68	1	16	F3629	70	19
2	H716	68	2	17	F3685	70	20
3	H569	68	3	18	F3896	70	31
4	H719	68	4	19	DS57	70	32
5	H532	68	5	20	F879	70	33
6	H533	68	6	21	F2698	71	1
7	DS57	68	7	22	F2996	71	2
8	F879	68	9	23	F879	71	5
9	H427	68	10	24	S26-2	71	7
10	H717	68	11	25	H251	71	8
11	H532	66	12	26	F3363	71	9
12	H533	68	13	27	F929	71	10
13	DS57	70	1	28	SI-51	71	11
14	F879	70	3	29	F1369	71	13
15	H768	70	14	30	F879	71	15

MUDGUARD - GROUP 16

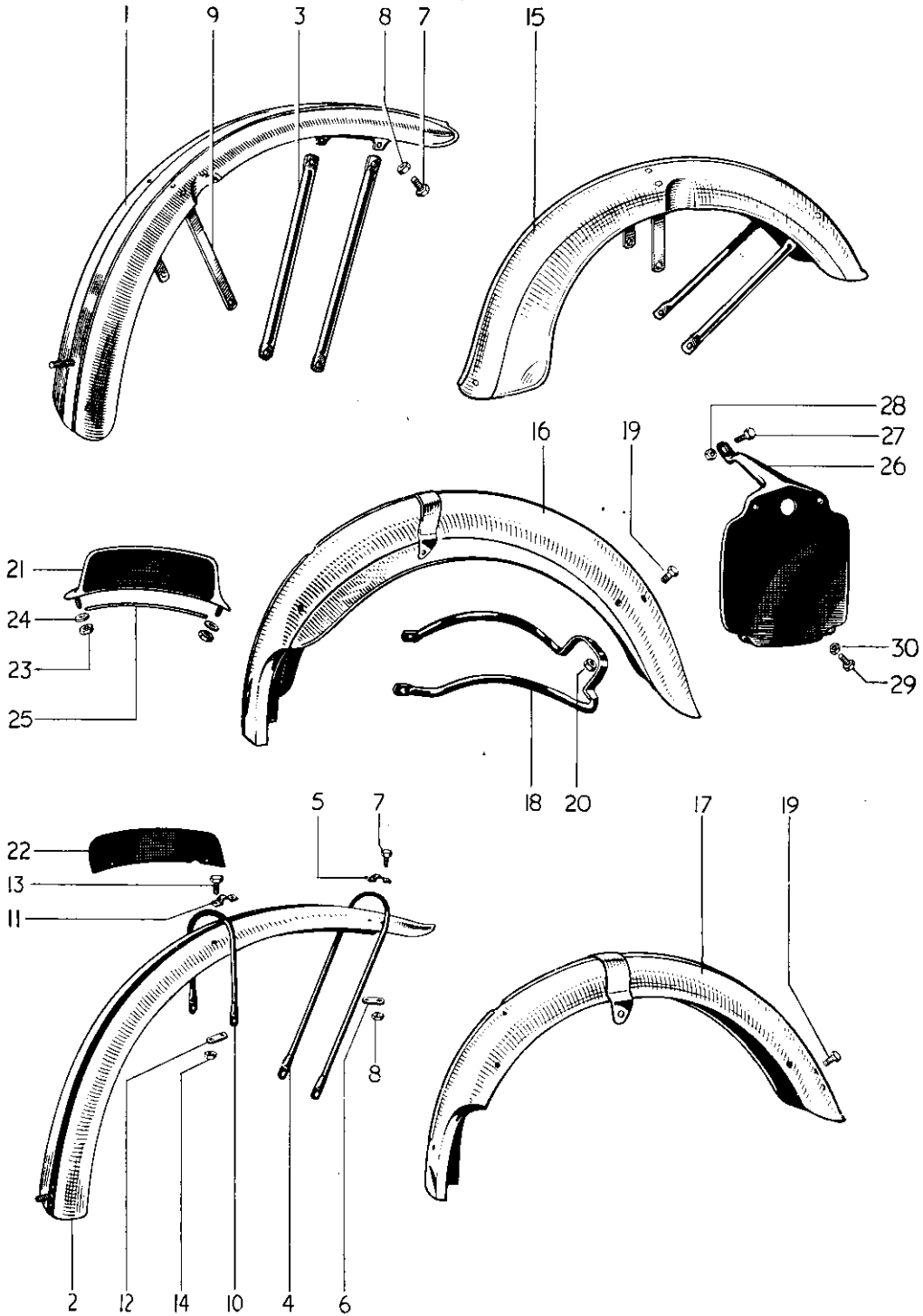


FIG. 21. FRONT AND REAR MUDGUARDS

GROUP 16 – MUDGUARD

REF. No.	PART No.	DESCRIPTION	5T	6T	TR5	T100	T110	TR6
1	DS57	Bolt, bridge to mudguard $\frac{7}{16}$ " U:H ...	—	—	4	—	—	4
2	E1612	Washer, bridge to mudguard bolt ...	—	—	4	—	—	4
3	F879	Nut, bridge to mudguard bolt... ..	—	—	4	—	—	4
4	H428	Clip, support bridge to fork	2	2	2	2	2	2
5	H426	Bolt, support bridge to fork clip L.H. $\frac{3}{8}$ " U:H	1	1	—	1	1	—
6	F1031	Bolt, support bridge to fork clip L.H. $\frac{15}{16}$ " U:H	—	—	1	—	—	1
7	H451	Bolt, support bridge to fork clip R.H. $1\frac{1}{8}$ " U:H	1	1	—	1	1	—
8	H622	Bolt, support bridge to fork clip R.H. $1\frac{11}{32}$ " U:H	—	—	1	—	—	1
9	PO172A	Nut, clip bolt	2	2	2	2	2	2
10	S26-1	Washer, clip bolt nut	2	2	2	2	2	2
11	F929	Bolt, mudguard stay to fork end $\frac{1}{2}$ " U:H ...	2	2	—	2	2	—
12	F2335	Bolt, mudguard stay to fork end $\frac{11}{16}$ " U:H ...	—	—	2	—	—	2
13	S26-3	Washer, mudguard stay to fork end	2	2	2	2	2	2

FRONT MUDGUARD (VALANCED) Alternative Equipment

14	H768	Valanced front mudguard assembly c/w front stays	1	1	—	1	1	—
15	DS57	Bolt, licence holder securing $\frac{7}{16}$ " U:H ...	1	1	—	1	1	—
16	S25-1	Washer, licence holder securing bolt	1	1	—	1	1	—
17	F879	Nut, licence holder securing bolt	1	1	—	1	1	—

LICENCE HOLDER

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

19	F3629	Mudguard assembly, complete	1	1	—	1	1	—
20	F3685	Mudguard assembly, complete	—	—	1	—	—	1
21	F3599	Bracket, mudguard to rear engine plates ...	1	1	1	1	1	1
22	F2335	Bolt, mudguard bracket to rear engine plates $\frac{11}{16}$ " U:H	2	2	2	2	2	2
23	SI-51	Nut, mudguard bracket bolt	2	2	2	2	2	2
24	S26-3	Washer, mudguard bracket bolt	2	2	2	2	2	2
25	DS57	Bolt, mudguard to bracket $\frac{7}{16}$ " U:H	2	2	2	2	2	2
26	F879	Nut, mudguard to bracket bolt	2	2	2	2	2	2
27	S26-2	Washer, mudguard to bracket bolt	2	2	2	2	2	2
28	F3632	Bolt, mudguard to frame $1\frac{9}{16}$ " U:H	2	2	2	2	2	2
29	SI-51	Nut, mudguard to frame bolt	2	2	2	2	2	2
30	S26-3	Washer, mudguard to frame bolt	2	2	2	2	2	2
31	F3896	Lifting handle, rear	1	1	1	1	1	1
32	DS57	Bolt, lifting handle to mudguard $\frac{7}{16}$ " U:H	2	2	2	2	2	2
33	F879	Nut, lifting handle bolt	2	2	2	2	2	2
34	S26-2	Washer, lifting handle bolt	2	2	2	2	2	2
35	D324	Mudflap, rubber	A	A	A	A	A	A

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

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

FRONT NUMBER PLATE

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

REAR NUMBER PLATE

9	F3363	Plate, rear number	1	1	1	1	1	1
10	F929	Bolt, rear number plate top $\frac{1}{2}$ " U/H ...	1	1	1	1	1	1
11	SI-51	Nut, rear number plate top bolt	1	1	1	1	1	1
12	S26-3	Washer, number plate top bolt	1	1	1	1	1	1
13	F1369	Bolt, rear number plate bottom $\frac{5}{8}$ " U/H ...	2	2	2	2	2	2
14	S26-2	Washer, bottom bolt nut	2	2	2	2	2	2
15	F879	Nut, bottom bolt	2	2	2	2	2	2
16	D68	Transfer, number plate (gold and white) ...	1	1	1	1	1	1

PETROL AND OIL TANK—GROUP 18

PETROL TANK

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

GROUP 18 – PETROL AND OIL TANK

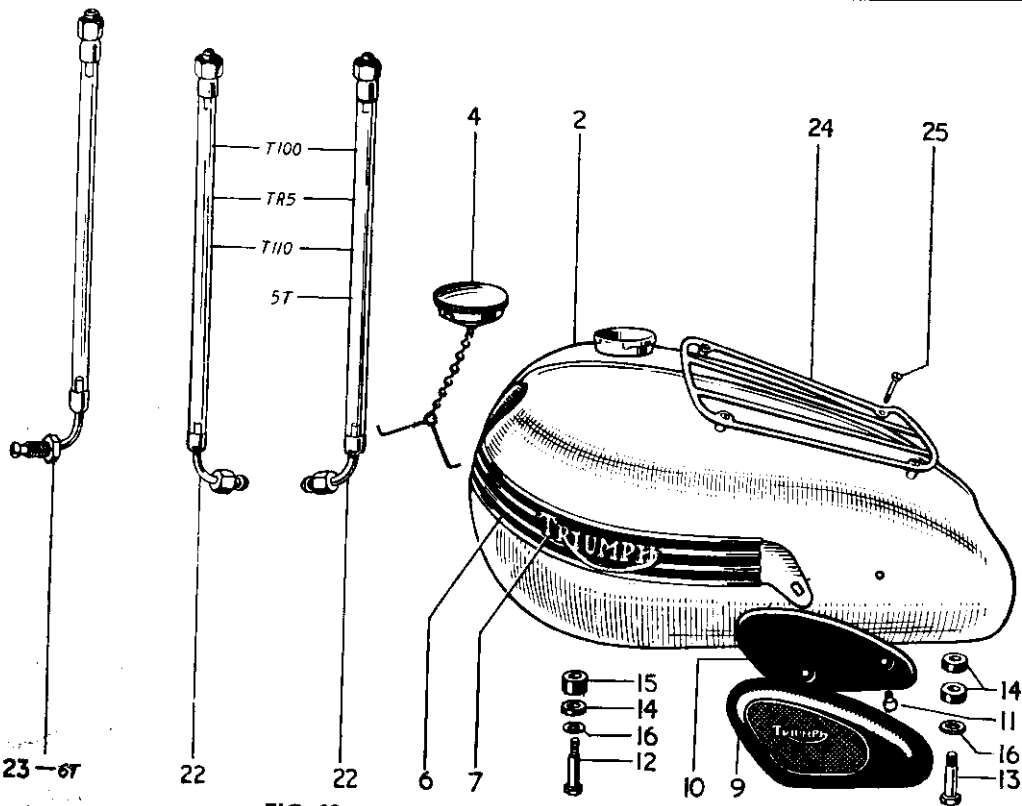
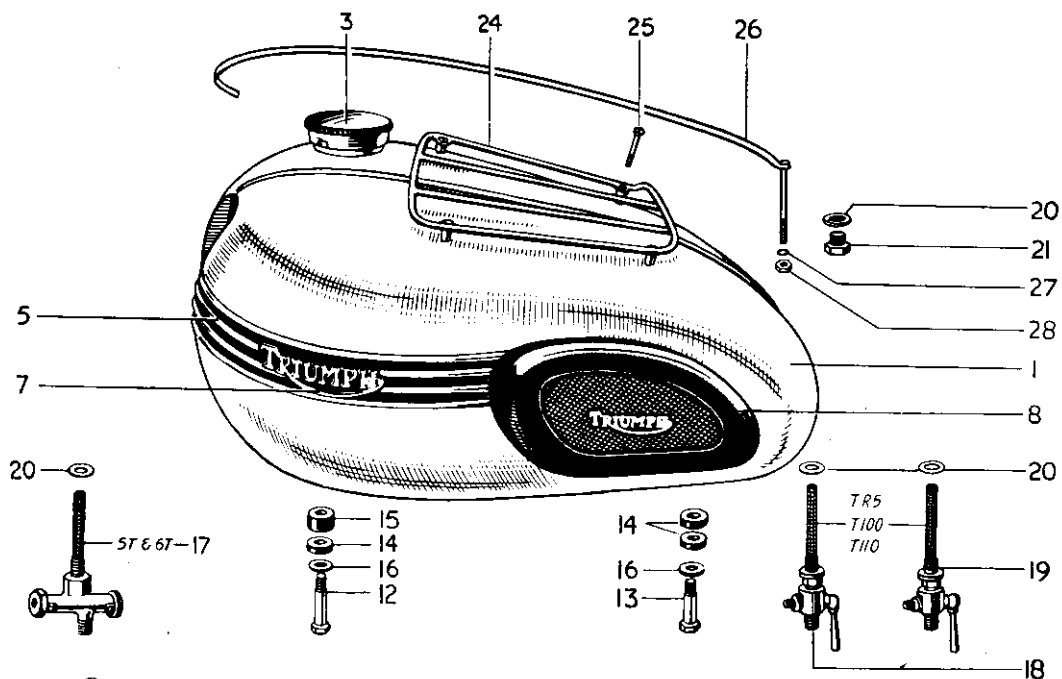


FIG. 22. PETROL TANKS AND FITTINGS

PETROL AND OIL TANK – GROUP 18

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

INDEX FIG. 22

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

GROUP 18 – PETROL AND OIL TANK

GROUP 19 – CHAINGUARD

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

TANK PARCEL GRID

1	F3917	Grid, tank parcel	...	...	...	...	1	1	1	1	1	1
2	F2936	Screw, tank parcel grid	...	...	...	...	4	4	4	4	4	4
3	*F3026	Plug, petrol tank...	...	...	...	...	4	4	4	4	4	4

**To replace F2936 when grid is not fitted.*

OIL TANK

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

For securing bolt, nut and washer, oil tank to rear engine plates, see Rear Mudguard Group page 70.

CHAINGUARD—GROUP 19

REAR CHAINGUARD

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

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

PETROL AND OIL TANK – GROUP 18

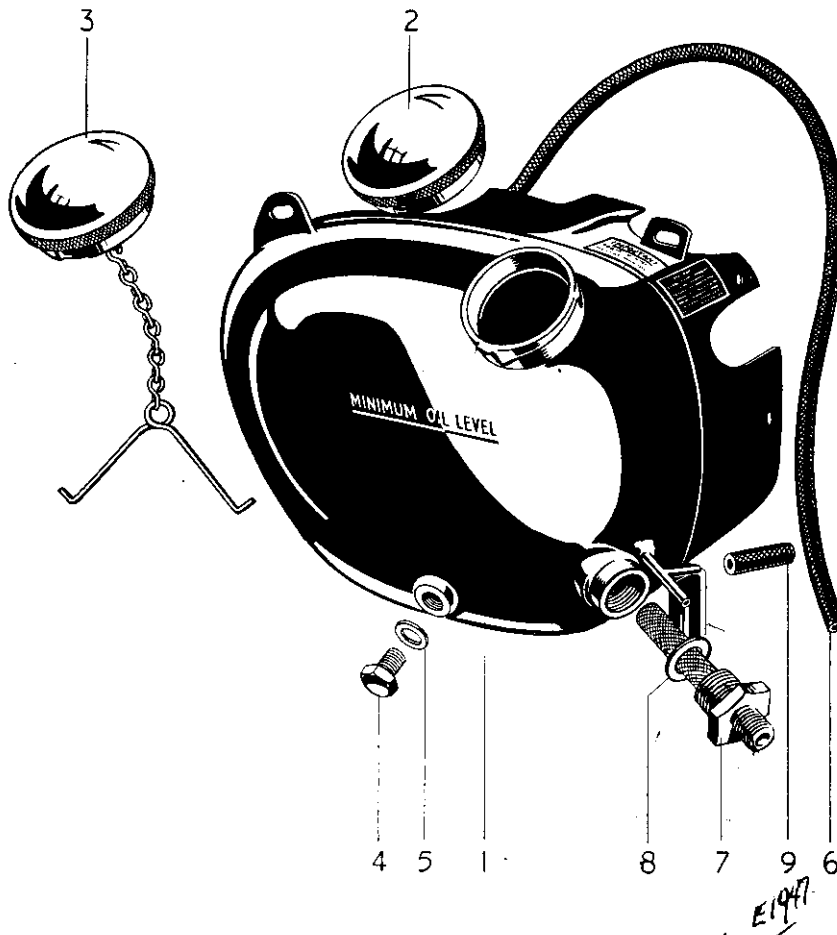


FIG. 23. OIL TANK

INDEX FIG. 23

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

GROUP 20 — PRIMARY CHAINCASE

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

PRIMARY CHAINCASE—GROUP 20

1	T1232	Cover, chaincase outer	1	—	—	—	—	—	—
2	T1237	Cover, chaincase outer	—	—	—	—	—	—	—
3	T1190	Cover, chaincase outer	—	—	—	—	—	—	—
4	T1231	Cover, chaincase inner	—	—	1	1	1	1	1
5	T1186	Cover, chaincase inner	1	1	—	—	—	—	—
6	T1059	Sleeve, chaincase inner (Rubber)	—	—	1	1	1	1	1
7	NT367	Plug, chaincase oil filler	1	1	—	—	—	—	—
8	NT376	Washer, chaincase oil filler plug	1	1	1	1	1	1	1
9	PCE102F	Plug, chaincase oil drain	1	1	1	1	1	1	1
10	WE170	Washer, chaincase oil drain plug	1	1	1	1	1	1	1
11	NT316	Dowel, chaincase to footrest ...	2	2	2	2	2	2	2
12	T1031	Plate, chaincase oil retainer ...	1	1	1	1	1	1	1
13	T91	Plate, chaincase oil retainer spring	1	1	1	1	1	1	1
14	T177A	Rivet, chaincase oil retainer plate	2	2	2	2	2	2	2
15	T496	Adjuster, rear chain oiler	1	1	1	1	1	1	1
16	T497	Spring, rear chain oiler	1	1	1	1	1	1	1
17	T1226	Washer, chaincase joint... ..	1	1	—	—	—	—	—
18	T1189	Washer, chaincase joint... ..	—	—	1	1	1	1	1
19	E3437	Screw, chaincase cover (short) $1\frac{1}{8}$ " U.H	11	11	8	8	8	8	8
20	E3441	Screw, chaincase cover (long) $1\frac{3}{8}$ " U.H	—	—	3	3	3	3	3
21	E3444	Screw, chaincase cover (front) $2\frac{1}{2}$ " U.H	4	4	—	—	—	—	—

INDEX FIG. 24

Illust. No.	Part No.	Page No.	Ref. No.	Illust. No.	Part No.	Page No.	Ref. No.
1	T1232	76	1	11	PCE102F	76	9
2	T1237	76	2	12	WE170	76	10
3	T1190	76	3	13	NT316	76	11
4	E3447	104	4	14	T1031	76	12
5	E3448	104	5	15	T91	76	13
6	E3444	76	21	16	T496	76	15
7	T1226	76	17	17	T497	76	16
8	T1231	76	4	18	T1189	76	18
9	T1186	76	5	19	E3437	76	19
10	NT367	76	7	20	E3441	76	20
	NT376	76	8				

PRIMARY CHAINCASE - GROUP 20

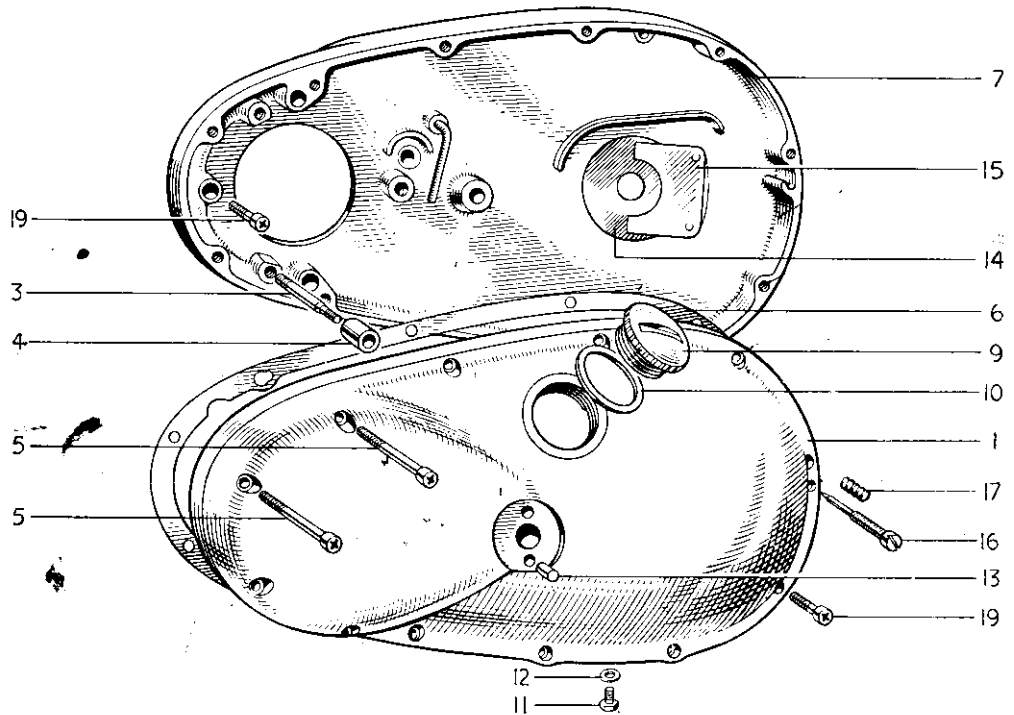
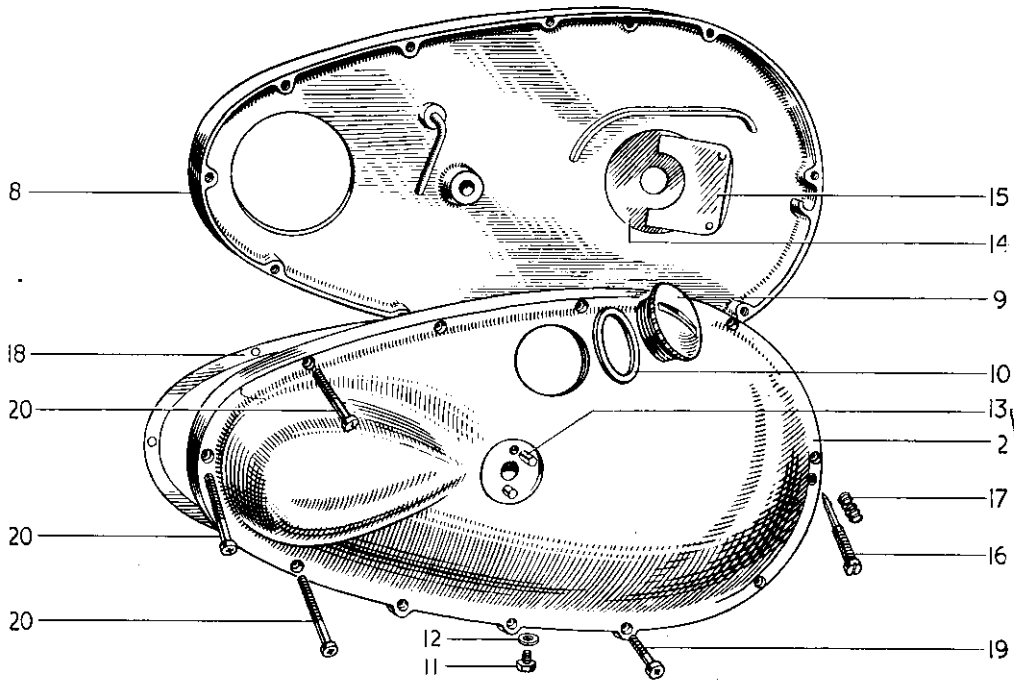


FIG. 24. PRIMARY CHAINCASE

GROUP 21 — HANDLEBAR

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

HANDLEBAR—GROUP 21

HANDLEBAR

1	H1004	Handlebar, complete with all controls	...	|	|	—	—	—	—
2	H1002	Handlebar, complete with all controls	...	—	—	|	—	—	|
3	H1005	Handlebar, complete with all controls	...	—	—	—	|	|	—
4	H1009	Handlebar, bend only	...	|	|	—	|	|	—
5	H1003	Handlebar, bend only	...	—	—	|	—	—	|
6	H230	Grip, handlebar L.H. rubber	...	|	|	|	|	|	|

FOR U.S.A. AND CANADIAN PATTERN SEE PAGE 82.

THROTTLE CONTROL

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

INDEX FIG. 25

Illust. No.	Part No.	Page No.	Ref. No.	Illust. No.	Part No.	Page No.	Ref. No.
1	H1009	78	4	9	18/794	80	11
	H1003	78	5		18/500	80	14
	H1010	82	19		H668	80	15
	H1014	82	20		61/004	80	16
2	H230	78	6	12	18/087	80	17
	H698	78	9		18/053	80	18
4	H234	78	13	14	18/547	80	1
	H700	78	15		18/772	80	2
6	H233	78	16	15	H689	101	27
7	H232	78	17	16	51563A	101	26
8	18/787	80	10				

HANDLEBAR - GROUP 21

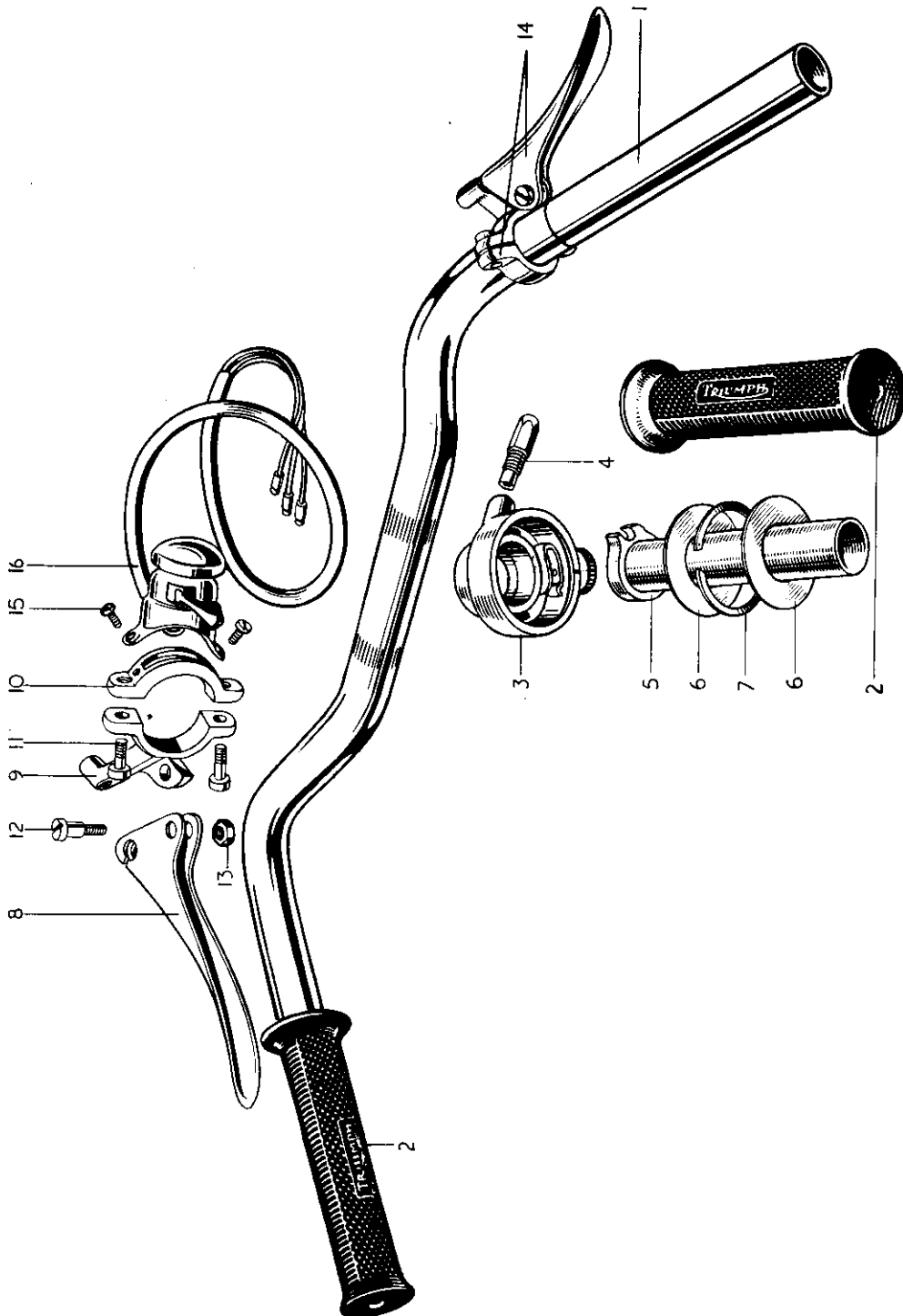


FIG. 25. HANDLEBAR AND CONTROLS

GROUP 21 — HANDLEBAR

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

FRONT BRAKE CONTROL

1	18:547	Lever assembly, front brake ... ..	|	|	—	|	|	—
2	18:772	Lever assembly, front brake (Ball-ended) ...	—	—	|	—	—	|
3	18:535	Lever only ... ..	|	|	—	|	|	—
4	18:754	Lever only (Ball-ended) ... ..	—	—	|	—	—	|
5	18:174	Bracket, lever fulcrum ... ..	|	|	|	|	|	|
6	12:044	Clamp, lever bracket ... ..	|	|	|	|	|	|
7	11:014	Screw, lever bracket to clamp	2	2	2	2	2	2
8	18:087	Screw, lever fulcrum ... ..	|	|	|	|	|	|
9	18:053	Nut, lever fulcrum screw ... ..	|	|	|	|	|	|

CLUTCH CONTROL

10	18:787	Lever assembly, clutch ... ..	|	|	—	|	|	—
11	18:794	Lever assembly clutch (Ball-ended) ... ..	—	—	|	—	—	|
12	18:528	Lever only ... ..	|	|	—	|	|	—
13	18:752	Lever only (Ball-ended) ... ..	—	—	|	—	—	|
14	18:500	Bracket, lever fulcrum ... ..	|	|	|	|	|	|
15	H668	Clamp, lever bracket ... ..	|	|	|	|	|	|
16	61:004	Screw, lever bracket to clamp	2	2	2	2	2	2
17	18:087	Screw, lever fulcrum ... ..	|	|	|	|	|	|
18	18:053	Nut, lever fulcrum screw ... ..	|	|	|	|	|	|

AIR CONTROL

19	12:578	Lever assembly air control ... ..	|	—	—	|	|	—
20	12:163	Lever assembly air control (chrome) ... ..	—	—	|	—	—	|
21	12:016B	Lever only ... ..	|	—	—	|	|	—
22	12:016	Lever only ... ..	—	—	|	—	—	|
23	12:029	Bolt, centre ... ..	|	—	|	|	|	|
24	12:031	Cap ... ..	|	—	|	|	|	|
25	12:033	Washer, centre spring ... ..	|	—	|	|	|	|
26	11:014	Screw, clip fixing	2	—	2	2	2	2
27	12:044	Clip, fixing ... ..	|	—	|	|	|	|

MAGNETO CONTROL

28	12:173	Lever assembly, magneto control ... ..	—	—	|	—	—	|
29	12:162	Lever assembly, magneto control ... ..	—	—	—	|	|	—
30	12:017	Lever only ... ..	—	—	|	—	—	|
31	12:014	Lever only ... ..	—	—	—	|	|	—
32	12:029	Bolt, centre ... ..	—	—	|	|	|	|
33	12:031	Cap centre ... ..	—	—	|	|	|	|
34	12:033	Washer, spring ... ..	—	—	|	|	|	|
35	11:014	Screw, clip fixing	—	—	2	2	2	2
36	12:044	Clip, fixing	—	—				

CONTROL CABLE — GROUP 22

REF. No.	PART No.	DESCRIPTION	5T	6T	TR5	T100	T110	TR6
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CONTROL CABLE—GROUP 22

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	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	2
19	H751	Ferrule, brake casing rubber ... ..	|	|	—	|	|	—
20	H707	Sleeve, brake casing rubber ... ..	|	|	—	|	|	—
21	D81	Nipple, wire ... ..	|	|	|	|	|	|
22	W593	Fork end, wire ... ..	|	|	|	|	|	|
23	H446B	Tube, wire lower cover... ..	|	|	—	|	|	—
24	H447	Ferrule, cover tube ... ..	|	|	—	|	|	—
25	W328A	Adjuster, brake cable ... ..	|	|	|	|	|	|
26	W591	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	3
36	D83	Nipple, throttle wire (handlebar end) ... ..	|	|	|	|	|	|
37	NS191	Nipple, throttle wire (carburetter 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 22 — CONTROL CABLE

GROUP 23 — OVERSEAS HANDLEBAR

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

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	2
8	D83	Nipple, air wire (handlebar end)	...	...	...	...	|	—	|	|	|	|
9	NS191	Nipple, air wire (carburetter 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	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 23

U.S.A. AND CANADIAN PATTERN

16	H1006	Handlebar, complete with all controls	...	...	...	...	|	|	—	—	—	—
17	H1007	Handlebar, complete with all controls	...	...	...	...	—	—	—	|	|	—
18	H1013	Handlebar, complete with all controls	...	...	...	...	—	—	|	—	—	|
19	H1010	Handlebar, bend only	...	...	...	...	|	|	—	|	|	—
20	H1014	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 24 FOOTREST — GROUP 25

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

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

FOOTREST—GROUP 25

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

PILLION FOOTREST

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

GROUP 26 – BATTERY CARRIER AND TOOLBOX

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

BATTERY CARRIER AND TOOLBOX—GROUP 26

BATTERY CASE AND TOOLBOX

1	F3870	Battery case and toolbox assembly ... ..	|	|	|	|	|	|	|
2	E534	Swivel, carrier strap plain ... ..	|	|	|	|	|	|	|
3	E535	Swivel, carrier strap tapped ... ..	|	|	|	|	|	|	|
4	E536	Bolt, carrier strap swivel 1 1/8" U/H ... ..	|	|	|	|	|	|	|
5	F3588	Strap, carrier top ... ..	|	|	|	|	|	|	|
6	F1668	Strap, carrier front ... ..	|	|	|	|	|	|	|
7	F1727	Pin, carrier strap hinge ... ..	|	|	|	|	|	|	|
8	F3874	Lid assembly, battery case	2	2	2	2	2	2	2
9	F3875	Fastener, lid ... ..	|	|	|	|	|	|	|
10	F3227	Grommet, lid fastener ... ..	|	|	|	|	|	|	|
11	F3641	Stud, carrier to seat tube boss 3/8" O/A ... ..	|	|	|	|	|	|	|
12	F1008	Nut, carrier to seat tube boss stud ... ..	|	|	|	|	|	|	|
13	S26-3	Washer, carrier to seat tube boss stud ... ..	|	|	|	|	|	|	|
14	F1699	Clip, battery case to frame ... ..	|	|	|	|	|	|	|
15	D557	Bolt, battery case to frame clip 7/16" U/H ... ..	|	|	|	|	|	|	|
16	F879	Nut, battery case to frame clip ... ..	|	|	|	|	|	|	|
17	E1612	Washer, battery case to frame clip ... ..	|	|	|	|	|	|	|

For securing bolt, nut and washer, Toolbox Battery case to rear engine plate, see Rear Mudguard Group, page 70.

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 111. 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 26

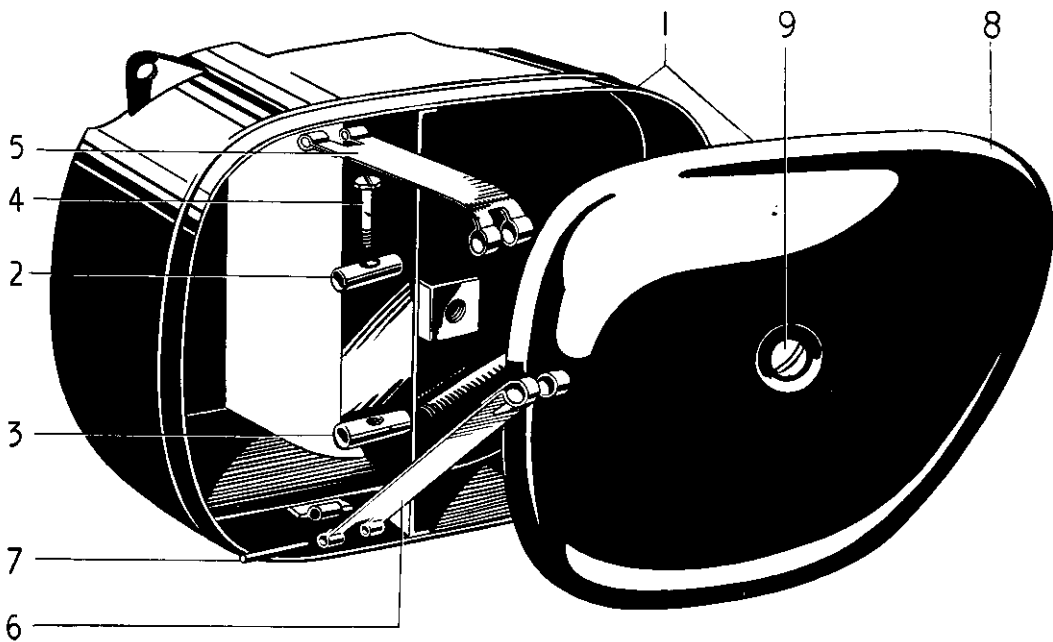


FIG. 26. BATTERY CARRIER AND TOOL BOX

INDEX FIG. 26

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

GROUP 27 – TOOLKIT

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

TOOLKIT—GROUP 27

1	DA312	Toolkit, complete	...	...	...	...			
2	WA58	Roll, canvas tool...	...	...	...	...			
3	DA72	Spanner, open $\frac{1}{2}$ " \times $\frac{11}{16}$ " whit.	...	...	...	...			
4	KA50	Spanner, open Spec. \times $\frac{1}{2}$ " whit.	...	...	...	...			
5	NA55	Spanner, open $\frac{1}{4}$ " \times $\frac{11}{16}$ " whit.	...	...	...	...			
6	DA16	Spanner, open $\frac{3}{8}$ " \times $\frac{11}{16}$ " whit.	...	...	...	...			
7	DA55	Spanner, closed .218" \times .338" square	...	...	...	...			
8	NA66	Spanner, closed .218" \times $\frac{3}{16}$ " whit.	...	...	...	...			
9	NA6	Spanner, closed $\frac{1}{8}$ " \times $\frac{11}{16}$ " whit.	...	...	...	...			
10	PA57	Spanner, closed $\frac{1}{2}$ " \times $\frac{11}{16}$ " whit.	...	...	...	...			
11	DA311	Spanner, closed $\frac{3}{8}$ " \times $\frac{11}{16}$ " whit.	...	...	...	...			
12	PA56	Spanner, combination	...	...	...	...			
13	DA313	Spanner, suspension units "C"	...	...	...	...			
14	PA60	Spanner, box $\frac{1}{4}$ " \times $\frac{11}{16}$ " 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	NA14A	Lever, tyre	...	...	...	...			
21	D336	Screwdriver, Phillips No. 3	...	...	...	...			
22	PA55	Screwdriver	...	...	...	...			
23	D49	Inflator, tyre	...	...	...	...			
24	D220	Spanner, fork cap nut (not included in toolkit)	...	...	...	...			
25	I67	Extractor, chain rivet (not included in toolkit)	...	...	...	...			
26	Z90	Drive shaft adaptor (not included in toolkit)	...	...	...	...			

SPECIAL WORKSHOP TOOLS

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

TOOLKIT - GROUP 27

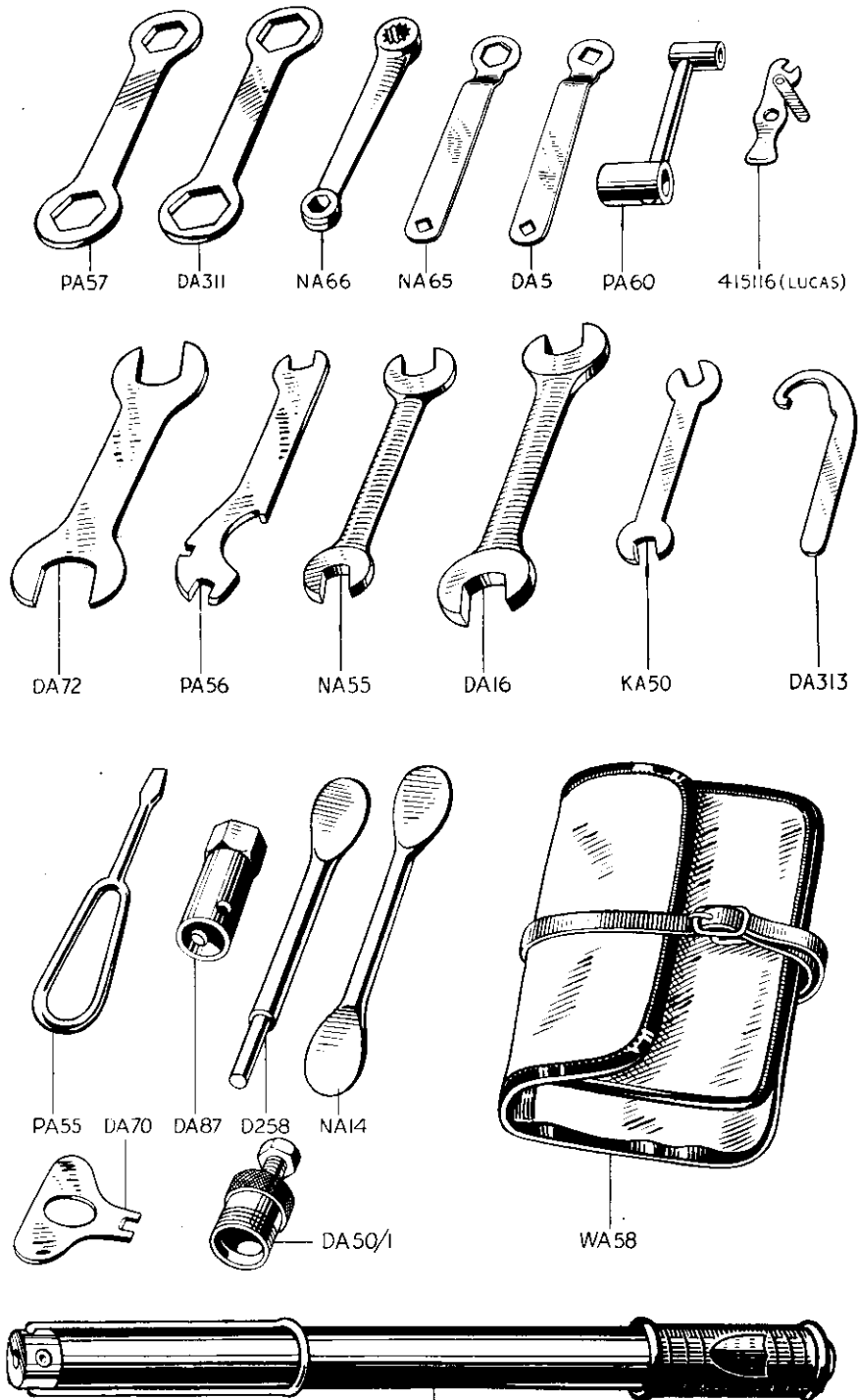


FIG. 27. TOOL KIT

GROUP 28 – AIR FILTER

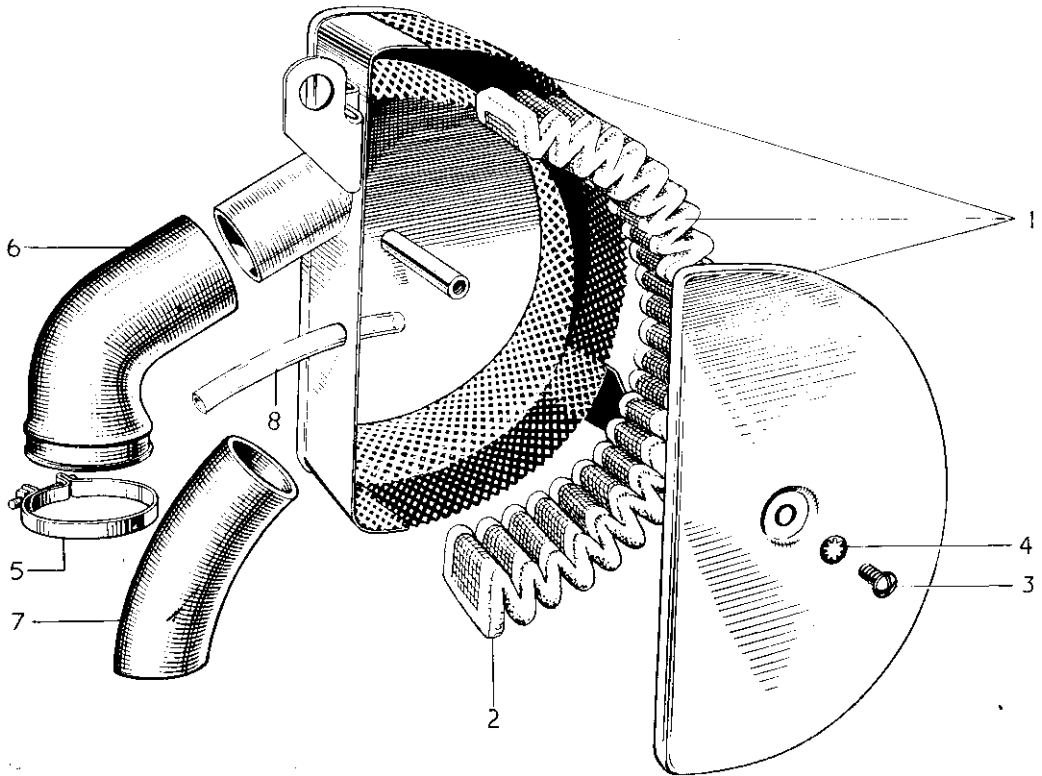


FIG. 28. AIR FILTER

INDEX FIG. 28

<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	F3857	88	1	5	F3859	88	9
	F3812	88	2	6	F3858	88	8
2	F3315E	88	3	7	F3729	88	7
3	F3376	88	4	8	F3339	94	2
4	E2312	88	5				

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

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

AIR FILTER—GROUP 28

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

LEGSHIELD—GROUP 29

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

SIDECAR FITTINGS—GROUP 30

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

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

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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	Renold Chains Ltd., Didsbury, Manchester.
ELECTRICAL EQUIPMENT ...	Messrs. J. Lucas, Ltd., Gt. Hampton Street, Birmingham, 18.
SPARKING PLUGS	Champion Sparking Plug Co. Ltd., Feltham, Middlesex.
	K.L.G. Sparking Plugs Ltd., Cricklewood Works, London, N.W.2.
	Lodge Plugs Ltd., Rugby, Warwickshire.
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 31

REF. No.	PART No.	DESCRIPTION	5T	6T	TR5	T100	T110	TR6
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AMAL CARBURETTER—GROUP 31

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

GROUP 31 - AMAL CARBURETTER

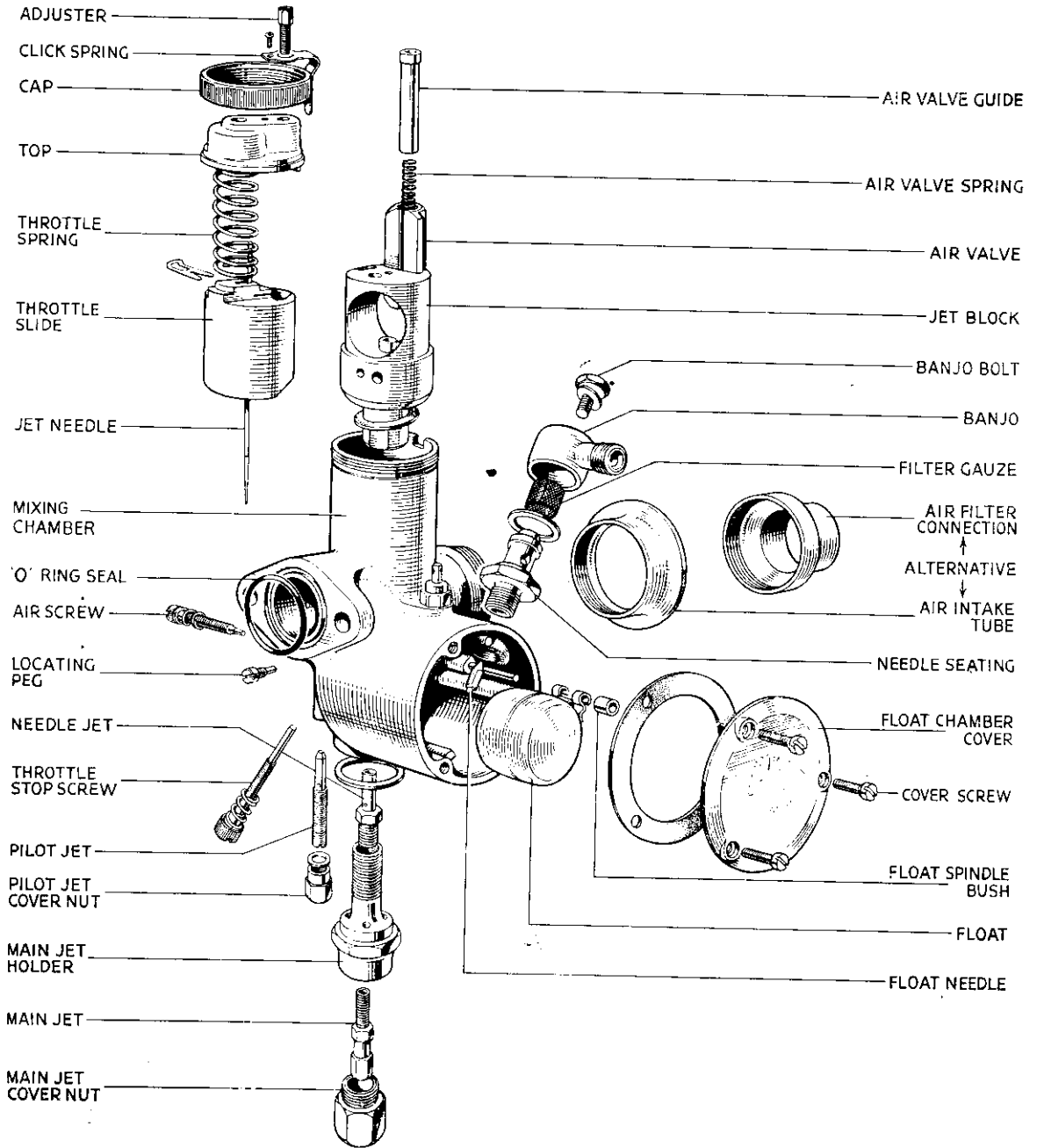


FIG. 29. AMAL CARBURETTER

AMAL CARBURETTER — GROUP 31

REF. No.	PART No.	DESCRIPTION	5T	6T	TR5	T100	T110	TR6
1	376.086	Tickler ... ..	|	|	|	|	|	|
2	343.011	Body, tickler ... ..	|	|	|	|	|	|
3	376.087	Spring, tickler ... ..	|	|	|	|	|	|
4	376.090	Connection, banjo ... ..	|	—	—	—	—	—
5	376.108	Connection, banjo ... ..	—	|	|	|	|	|
6	14.175	Washer, banjo ... ..	|	|	|	|	|	|
7	376.093	Gauze, filter ... ..	|	|	|	|	|	|
8	376.091	Bolt, banjo ... ..	|	|	|	|	|	|
9	376.092	Washer, banjo bolt ... ..	|	|	|	|	|	|
10	NA43A	Washer, insulating block to manifold ...	—	—	|	|	|	|
11	E2968	Block, insulating ... ..	—	—	|	|	|	|
12	244.765	'O' ring seal, carburetter to manifold ...	|	|	|	|	|	|
13	376.066	Tube, air intake	A	A	A	A	A	A

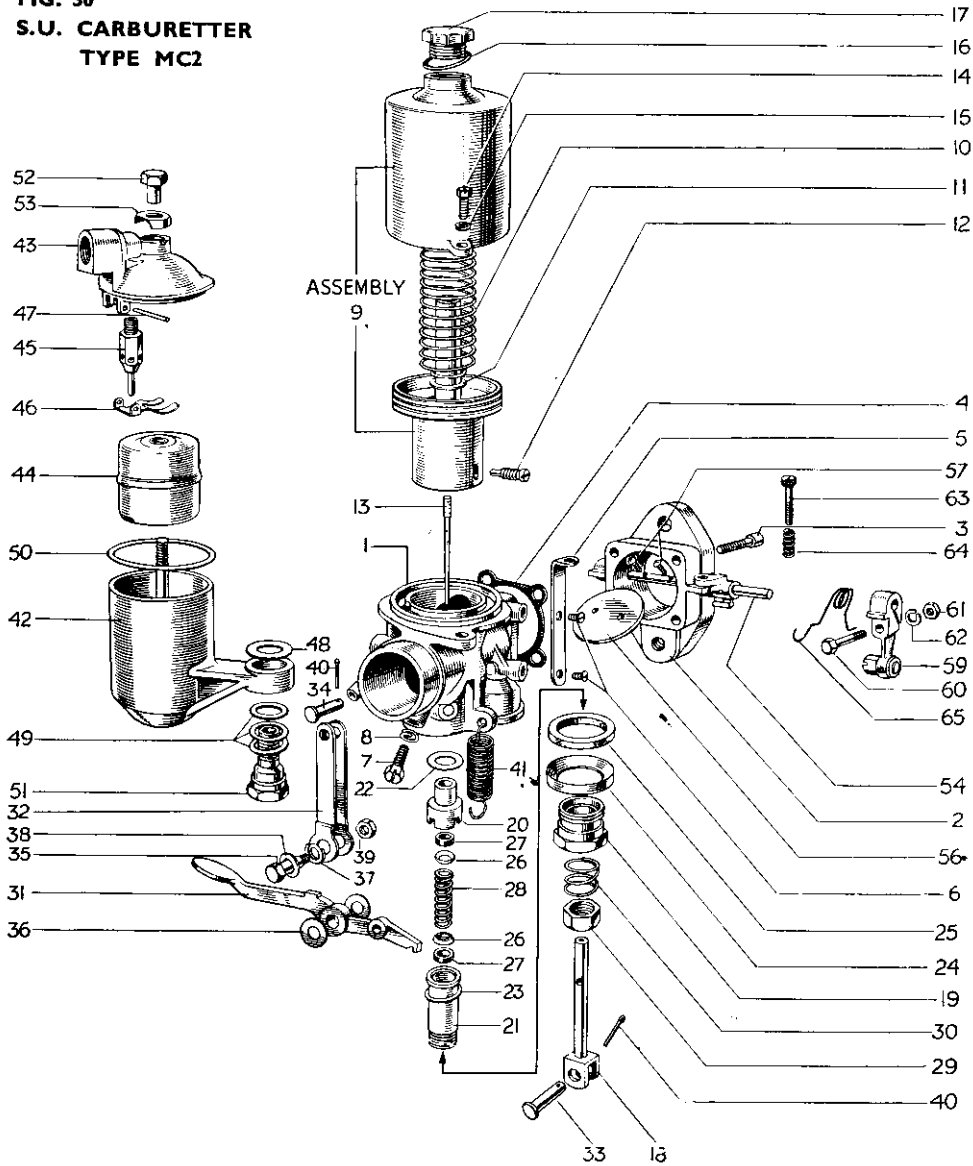
(for use when air filter is disconnected)

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

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

S.U. CARBURETTER – GROUP 32

FIG. 30
S.U. CARBURETTER
TYPE MC2



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

CARBURETTER BODY

1	AUC7023	Body, carburetter c/w guide pin and plug	—	1	—	—	—	—
2	AUC4923	Adaptor, throttle barrel	—	1	—	—	—	—
3	4805	Screw, adaptor to body	—	4	—	—	—	—
4	4804	Joint, adaptor to body	—	1	—	—	—	—
5	AUC1011	Abutment bracket, throttle cable	—	1	—	—	—	—
6	5073	Screw, bracket to carburetter	—	2	—	—	—	—
7	4857	Screw, 2BA Plug	—	1	—	—	—	—
8	1863	Washer, 2BA Plug screw	—	1	—	—	—	—

GROUP 32 — S.U. CARBURETTER

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

SUCTION CHAMBER

1	AUC8006	Chamber, suction complete	...	...	...	---	1	---	---	---	---
2	4387	Spring, piston	...	...	...	---	1	---	---	---	---
3	3071	Washer, thrust	...	...	...	---	1	---	---	---	---
4	149	Screw, needle	...	...	...	---	1	---	---	---	---
5	M9	Needle, jet	...	...	...	---	1	---	---	---	---
6	4857	Screw, chamber securing	...	...	...	---	2	---	---	---	---
7	1863	Washer, spring	...	...	...	---	2	---	---	---	---
8	4900	Washer, oil cap	...	...	...	---	1	---	---	---	---
9	4920	Oil cap, octagonal	...	...	...	---	1	---	---	---	---

JET ASSEMBLY

10	112/4931	Jet	...	...	...	---	1	---	---	---	---
11	3232	Screw, jet	...	...	...	---	1	---	---	---	---
12	3230	Bearing, jet top half	...	...	...	---	1	---	---	---	---
13	3231	Bearing, jet bottom half	...	...	...	---	1	---	---	---	---
14	122	Washer, top half (copper)	...	...	...	---	1	---	---	---	---
15	3233	Washer, bottom half (copper)	...	...	...	---	1	---	---	---	---
16	117	Ring, sealing (brass)	...	...	...	---	1	---	---	---	---
17	118	Ring, sealing (cork)	...	...	...	---	1	---	---	---	---
18	119/1	Washer, gland (brass)	...	...	...	---	2	---	---	---	---
19	120	Washer, gland (cork)	...	...	...	---	2	---	---	---	---
20	1158	Spring gland	...	...	...	---	1	---	---	---	---
21	121	Nut, adjusting	...	...	...	---	1	---	---	---	---
22	114	Spring	...	...	...	---	1	---	---	---	---

JET LEVER AND LINKAGE

23	4882	Lever, jet	...	...	...	---	1	---	---	---	---
24	4883	Link, jet	...	...	...	---	1	---	---	---	---
25	108	Pivot pin, long	...	...	...	---	1	---	---	---	---
26	381	Pivot, pin short	...	...	...	---	1	---	---	---	---
27	4884/1	Bolt	...	...	...	---	1	---	---	---	---
28	4885	Washer, fibre	...	...	...	---	2	---	---	---	---
29	4875/2	Washer, double coil spring	...	...	...	---	1	---	---	---	---
30	5023	Washer, plain	...	...	...	---	1	---	---	---	---
31	156	Nut, 2BA	...	...	...	---	1	---	---	---	---
32	109	Split pin	...	...	...	---	2	---	---	---	---
33	4872/1	Spring, return	...	...	...	---	1	---	---	---	---

FLOAT CHAMBER

34	1216	Chamber, float	...	...	...	---	1	---	---	---	---
35	4517	Lid, float chamber	...	...	...	---	1	---	---	---	---
36	1223	Float	...	...	...	---	1	---	---	---	---
37	1121/1859	Needle and seat	...	...	...	---	1	---	---	---	---
38	1981	Lever, hinged	...	...	...	---	1	---	---	---	---
39	1251	Pin, hinged lever	...	...	...	---	1	---	---	---	---

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

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

THROTTLE

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

CHAIN—GROUP 33

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

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

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

LUCAS LIGHTING AND IGNITION EQUIPMENT—GROUP 34

(For Models fitted with Dynamo and Magneto)

DYNAMO (TYPE E3L-LIO)

1	20009S	Dynamo complete (positive earth) ... ..	—	—	|	|	|	|
2	200712	Armature ... ..	—	—	|	|	|	|
3	200738	Brush gear ... ..	—	—	|	|	|	|
4	200713	Bracket, commutator end ... ..	—	—	|	|	|	|
5	189210	108 Bearing, commutator end ... ..	—	—	|	|	|	|
6	200826	Cover, commutator end ... ..	—	—	|	|	|	|
7	200748	Plate, drive and oil seal end ... ..	—	—	|	|	|	|
8	200760	Bracket, drive and oil seal end... ..	—	—	|	|	|	|
9	189307	Bearing, drive and oil seal end ... ..	—	—	|	|	|	|
10	200731	Coil, field ... ..	—	—	|	|	|	|
11	200609	Band assembly, cover ... ..	—	—	|	|	|	|
12	188818	Nipple, cable fixing ... ..	—	—	|	|	|	|
13	200829	Plate, cable clamp	—	—	2	2	2	2
14	109660	Screw, cable clamp plate ... ..	—	—	|	|	|	|
15	200732	Bolt, through fixing ... ..	—	—	|	|	|	|
16	166014	Nut, through fixing bolt	—	—	2	2	2	2
17	188330	Washer, through fixing bolt	—	—	2	2	2	2
18	200737	Brush set	—	—	2	2	2	2
19	220197	Spring set, brush ... ..	—	—	|	|	|	|
20	189386	Key, woodruff ... ..	—	—	|	|	|	|
21	E2451	Pinion, dynamo ... ..	—	—	|	|	|	|
22	111704	Screw, dynamo pinion ... ..	—	—	|	|	|	|
23	188378	Washer, dynamo pinion ... ..	—	—	|	|	|	|
24	E2228	Nut (dome), dynamo to gear case ... ..	—	—	|	|	|	|
25	E2414	Stud, dynamo fixing 1 1/2" O/A ... ..	—	—	|	|	|	|
26	E2226	Washer, dynamo to crankcase joint ... ..	—	—	|	|	|	|
27	E2230	Strap, dynamo fixing ... ..	—	—	|	|	|	|
28	460025	Swivel, dynamo strap ... ..	—	—	|	|	|	|
29	112450	Screw, dynamo strap	—	—	2	2	2	2
30	E2784	Cover plate, crankcase (when dynamo is removed)	—	—	2	2	2	2
31	200830	Grommet, harness lead ... ..	—	—	|	|	|	|

CUT-OUT AND REGULATOR UNIT (TYPE RB107)

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

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

REF. No.	PART No.	DESCRIPTION	5T	6T	TR5	TI00	TI10	TR6
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HEADLAMP (NACELLE TYPE MCF700P)

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

HEADLAMP (TROPHY)

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

HORN (TYPE HFI441)

29	70048A	Horn, complete	—	—	1	1	1	1
30	701851	Bracket, horn	—	—	2	2	2	2
31	F3035	Bracket, horn (saddle stud fitting)	—	—	1	—	—	1
32	700920	Bracket, horn angle	—	—	—	1	1	—
33	142689	Screw, horn bracket	—	—	—	2	2	—
34	185051	Washer, horn bracket	—	—	—	2	2	—
35	DS57	Bolt, horn bracket to lug $\frac{7}{16}$ " U/H	—	—	—	2	2	—
36	S26-2	Washer, horn bracket to lug	—	—	—	2	2	—
37	H687	Screw, mounting bracket $\frac{3}{8}$ " U/H	—	—	2	—	—	2
38	GS299	Washer, bracket screw	—	—	2	—	—	2
39	H745	Nut, bracket screw	—	—	2	—	—	2

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

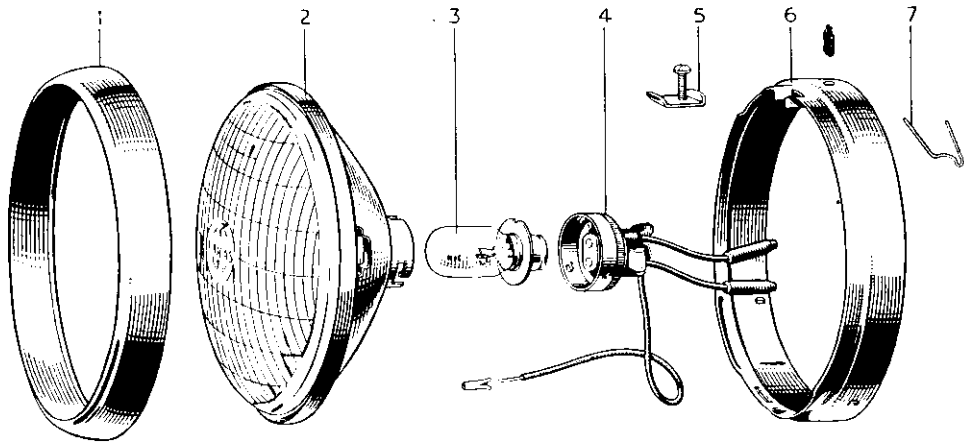


FIG. 31. HEAD LAMP

INDEX FOR DYNAMO CONDITION

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

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

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

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

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

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REF. No.	PART No.	DESCRIPTION	5T	6T	TR5	T100	T110	TR6
TAIL LAMP (STOP LIGHT PATTERN WITH INTEGRAL REFLECTORS) TYPE 564								
1	53432A	Stop and tail lamp ... ..	—	—	|	|	|	|
2	573839	Lens ... ..	—	—	|	|	|	|
3	575200	Window ... ..	—	—	|	|	|	|
4	575208	Gasket, lens seating ... ..	—	—	|	|	|	|
5	552928	Screw, lens retaining	—	—	2	2	2	2
6	575212	Base assembly ... ..	—	—	|	|	|	|
7	575209	Bulbholder assembly ... ..	—	—	|	|	|	|
8	575207	Grommet, bulbholder ... ..	—	—	|	|	|	|
9	573828	Contact assembly ... ..	—	—	|	|	|	|
10	573825	Grommet, cable ... ..	—	—	|	|	|	|
11	384	Bulb 6/18w offset pin ... ..	—	—	|	|	|	|
12	31383	Switch, stop lamp ... ..	—	—	|	|	|	|
13	H687	Screw, switch fixing 3/4" U/H	—	—	2	2	2	2
14	GS299	Washer, fixing screw	—	—	2	2	2	2
WIRING HARNESS								
15	836381	Wiring harness ... ..	—	—	—	|	|	—
16	831200	Wiring harness ... ..	—	—	|	—	—	|
17	838604	Lead, twin stop/tail lamp ... ..	—	—	|	|	|	|
NACELLE INSTRUMENT PANEL								
18	31371B	Switch, lighting ... ..	—	—	—	|	|	—
19	351567	Lever and screw, switch ... ..	—	—	—	|	|	—
20	36129A	Ammeter ... ..	—	—	—	|	|	—
21	31071B	Button, cut-out ... ..	—	—	—	|	|	—
HANDLEBAR SWITCHES AND PUSHBUTTONS								
22	31563A	Switch, dipper and horn push ... ..	—	—	|	|	|	|
23	31482	Screw, switch to lever clamp 1/2" U/H	—	—	2	2	2	2
24	76200A	Button, cut out ... ..	—	—	|	—	—	|
BATTERY (TYPE PU7E-9)								
25	PU7E-9	Battery ... ..	—	—	|	|	|	|
26	4179504	Plug, vent	—	—	3	3	3	3
27	4189048	Connection, battery lead "+"	—	—	|	|	|	|
28	4189040	Connection, battery lead "—"	—	—	|	|	|	|
29	4188743	Socket, connection "+"	—	—	|	|	|	|
30	4188744	Socket, connection "—"	—	—				

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

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REF. No.	PART No.	DESCRIPTION	5T	6T	TR5	T100	T110	TR6
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MAGNETO (with screwed-on pick-ups and end cap)

1	42298	Magneto, manual advance and retard ...	—	—				
2	458876 LH	Pick-up with brush and spring L.H. ...	—	—	|	|	|	|
3	458876 RH	Pick-up with brush and spring R.H. ...	—	—	|	|	|	|
4	458877	Washer, pick-up seating ...	—	—	2	2	2	2
5	451260	Brush and spring ...	—	—	2	2	2	2
6	410600	Nut, moulded ...	—	—	2	2	2	2
7	145074	Screw, pick-up fixing ...	—	—	4	4	4	4
8	458658	Grommet, rubber ...	—	—	2	2	2	2
9	459269	Cover assembly, contact breaker ...	—	—	|	|	|	|
10	459288	Terminal assembly, C.B. cover ...	—	—	|	|	|	|
11	459266	Cap, moulded, breather ...	—	—	|	|	|	|
12	455190	Brush and spring ...	—	—	|	|	|	|
13	457681	Gasket, rubber ...	—	—	|	|	|	|
14	122160	Screw, contact breaker fixing ...	—	—	|	|	|	|
15	470534	Contact breaker ...	—	—	|	|	|	|
16	470609	Contact set ...	—	—	|	|	|	|
17	470688	Set, contact actuating springs ...	—	—	|	|	|	|
18	470537	Brush and spring, C.B. earthing ...	—	—	|	|	|	|
19	458728	Control parts set (manual) ...	—	—	|	|	|	|
20	458731	Cap, rubber ...	—	—	|	|	|	|
21	458725	Cam ...	—	—	|	|	|	|
22	459271	End plate with bearing ring ...	—	—	|	|	|	|
23	463932	Cup, bearing insulating ...	—	—	|	|	|	|
24	150509	Screw, end plate fixing ...	—	—	3	3	3	3
25	185048	Washer, spring, fixing screw ...	—	—	3	3	3	3
26	452906	Washer, .003" shim, end plate packing ...	}	As required	—	—	—	—
	452907	Washer, .005" shim, end plate packing ...			—	—	—	—
27	459004	Armature ...	—	—	|	|	|	|
28	455361	Slip ring ...	—	—	|	|	|	|
29	458339	Condenser ...	—	—	|	|	|	|
30	189294	Bearing, C.B. end ...	—	—	|	|	|	|
31	189244	Bearing, drive end ...	—	—	|	|	|	|
32	459005	Cup, bearing insulating ...	—	—	|	|	|	|
33	459002	Oil seal, rubber ...	—	—	|	|	|	|
34	455191	Brush, spring and holder, earth ...	—	—	|	|	|	|
35	455190	Brush and spring, earth ...	—	—	|	|	|	|

MAGNETO SUNDRY PARTS SET

36	458675	Nut, screws and washers ...	—	—	|	|	|	|
----	--------	-----------------------------	---	---	--	--	--	--

MAGNETO, RACING

37	42324A	Magneto, manual advance and retard ...	—	—	A	—	—	A
----	--------	--	---	---	---	---	---	---

Parts for this magneto are not supplied separately,
for repair return to: **LUCAS RACING SECTION,
GT. HAMPTON STREET,
BIRMINGHAM, 18.**

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

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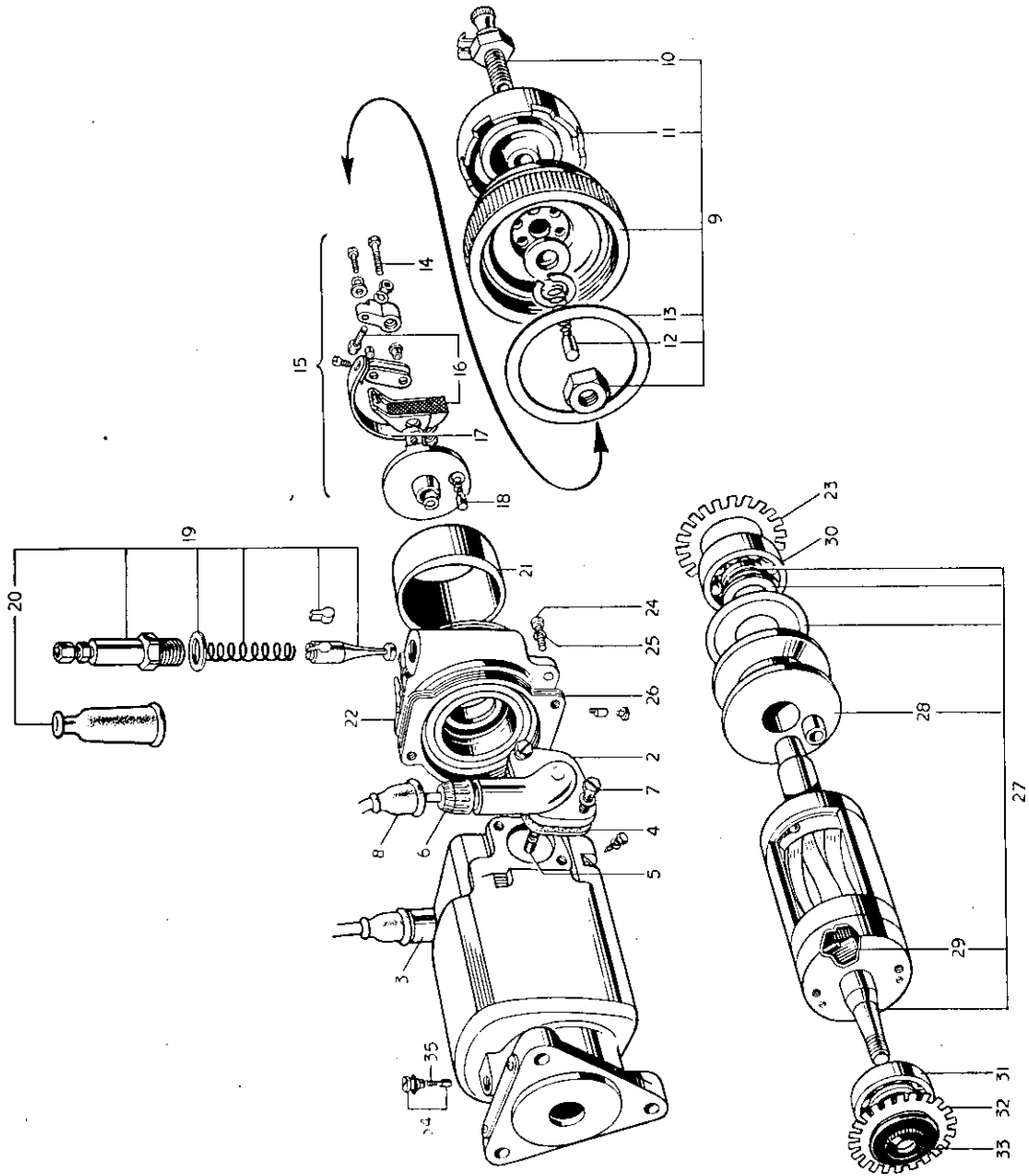


FIG. 32. LUCAS MAGNETO

LUCAS LIGHTING AND IGNITION EQUIPMENT (ALTERNATOR) – GROUP 34

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

HEADLAMP (NACELLE TYPE MCF700P)

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

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

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

GROUP 34 — LUCAS LIGHTING AND IGNITION EQUIPMENT (ALTERNATOR)

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

GROUP 38 — SPEEDOMETER
GROUP 39 — SUSPENSION UNIT

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

SPEEDOMETER DRIVE AT GEARBOX

1	T924	Pinion, standard ratio layshaft 10T	1	1	1	1	1	1
2	T973	Pinion, wide ratio layshaft 8T	A	A	A	A	A	A
3	T925	Peg, pinion to layshaft	1	1	1	1	1	1
4	T934	Gear, standard ratio driven 16T	1	1	1	1	1	1
5	T975	Gear, wide ratio driven 15T	A	A	A	A	A	A
6	T825	Washer, gear thrust	1	1	1	1	1	1

SUSPENSION UNIT (GIRLING)—GROUP 39

7	S/MDA4/119	Suspension unit complete	2	—	—	—	—	—
8	S/MDA4/137	Suspension unit complete	—	2	—	—	—	—
9	S/MDA4/104	Suspension unit complete	—	—	2	2	2	2
10	S/MDA4/134	Suspension unit (sidecar machines)	A	—	—	—	—	—
11	S/MDA4/138	Suspension unit (sidecar machines)	—	A	—	—	—	—
12	S/MDA4/132	Suspension unit (sidecar machines)	—	—	A	A	A	A
13	SA193/57	Spring, 150 lbs. rate (sidecar)	A	A	A	A	A	A
14	9054/63	Spring, 130 lbs. rate	A	A	A	A	A	A
15	9054/70	Spring, 110 lbs. rate (standard)	2	2	2	2	2	2
16	9054/69	Spring, 90 lbs. rate (road-racing)	A	A	A	A	A	A
17	E2113	Bolt, unit fixing, 1 $\frac{1}{8}$ " U/H	4	4	4	4	4	4
18	S25-2	Washer, lower bolt only	2	2	2	2	2	2
19	PO172A	Nut, unit fixing bolt	4	4	4	4	4	4
20	S26-1	Washer, fixing bolt nut	4	4	4	4	4	4

TWIN CARBURETTER FITTINGS — GROUP 40

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

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

CYLINDER HEAD FITTINGS

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

CARBURETTER (TYPE 6)

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

GROUP 40 – TWIN CARBURETTER FITTINGS

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

FLOAT CHAMBER MOUNTING

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

Use sandpaper packing between float chamber and bracket.

PETROL FEED PIPES

F3748	Pipe, petrol feed	2
F3694	Pipe, mixing chambers connecting	1
F3695	Pipe, connecting pipe to float chamber (flexible)	1
DI77-2	Clip, connecting pipe to float chamber pipe	2

THROTTLE CABLE (Type 6 Carburetter)

D216	Cable assembly, throttle	1
D218	Cable, handlebar to junction box	1
D219	Cable, junction box to carburetter	2
DI01	Ferrule, at twistgrip and junction box	10
6/132	Ferrule, carburetter end	2
DI04	Adjuster, cable	3
D83	Nipple, twistgrip end	1
NS191	Nipple, junction box and carburetter	5
244/104	Junction box, dual cable	1

GUARANTEE

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

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

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

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

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

CONDITIONS OF GUARANTEE

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

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

REPAIRS

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

NOTICE

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

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

Example.

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

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

MANIÈRE D'IDENTIFIER LA PIÈCE DE RECHANGE REQUISE.

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

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

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 24.
2. Noter qu'à côté du segment racleur se trouve le numéro 4.
3. Se référer à l'index donné sur la page numéro 25.
4. On y constatera que, suivant le numéro 4 se trouve.
 - (a) le numéro relatif—GE.29.
 - (b) le numéro de la page d'index—22.
 - (c) la ligne de référence—19.

ANWEISUNG ZUR IDENTIFIZIERUNG BENOETIGTER ERSATZTEILE

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

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

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

Beispiel.

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

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

MANERA DE ECONTRAR LA PIEZA DESEADA.

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

Cada pieza componente está numerada y al referirse al 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 24.
2. Nótese que el número del segmento en la ilustración es 4.
3. Referirse al índice de la ilustración en cuestión en la página 25.
4. Notese que No. 4 es pieza número GE29 en la lista de la página 22 línea de referencia No. 19.