

# REPLACEMENT PARTS

FOR

# TRIUMPH

## MOTORCYCLES

COMMENCING  
ENGINE No.  
44135

SEPTEMBER, 1953

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

TRIUMPH ENGINEERING COMPANY, LIMITED

MERIDEN WORKS, ALLESLEY

COVENTRY

Telegrams (for Spares)  
"Trusty, Coventry"

Telephone  
Meriden 331

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Published June 1954 ISSUE No. 10

## PREFACE

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

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

### SPECIMEN ORDER

25/6/54

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

Engine No. 5T-200000

Please supply :—

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

\*Send C.O.D.

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

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

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

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

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

Communications relating to Parts should be addressed to the SPARES MANAGER and for repairs, guarantee claims and technical advice to the SERVICE MANAGER, Triumph Engineering Co. Ltd., Meriden Works, Allesley, Coventry. In order to facilitate quick reference, the quoting of any number, invoice number or reference from previous communications is of essential importance. **Accessories not of our manufacture should be sent direct to the actual makers, whose names and addresses appear on Page 104.**

**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.

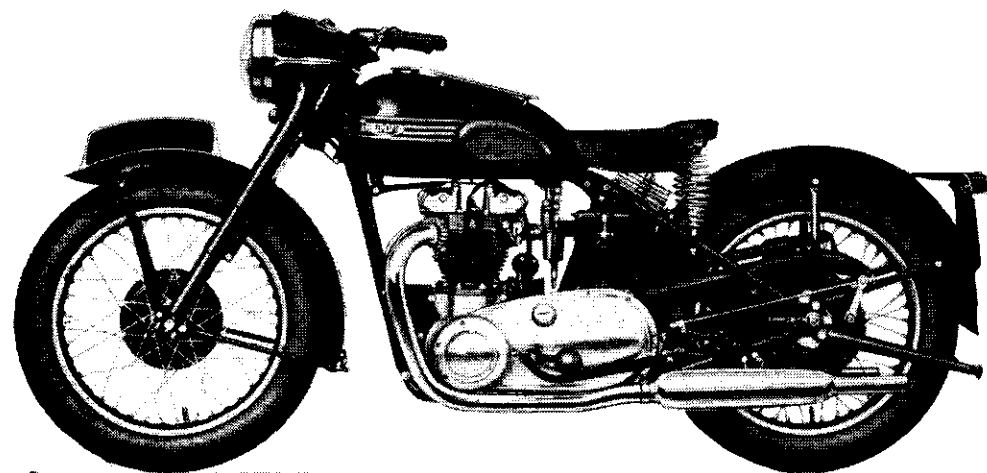
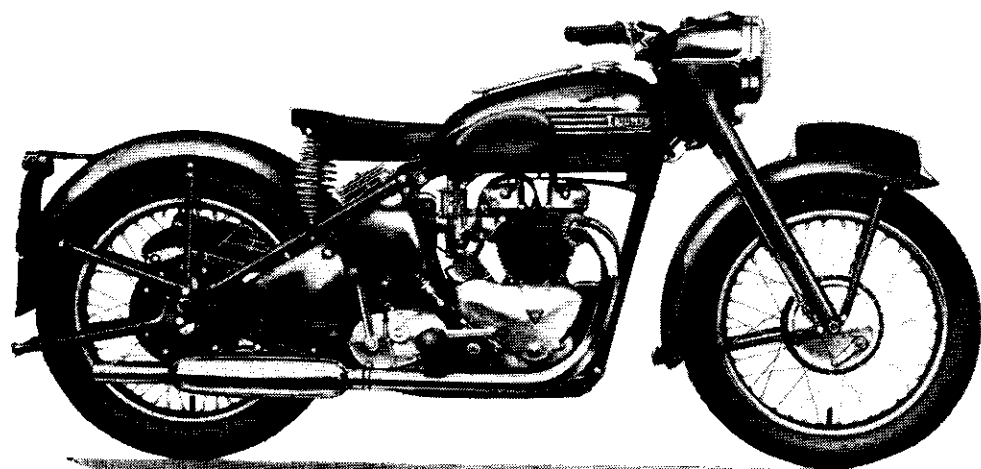
## TERMS OF BUSINESS

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

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

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

Postage, carriage and packing is charged at 2½% on the value of the goods, minimum charge 6d. Packing boxes, cases, crates, etc., are charged for at cost and are returnable.

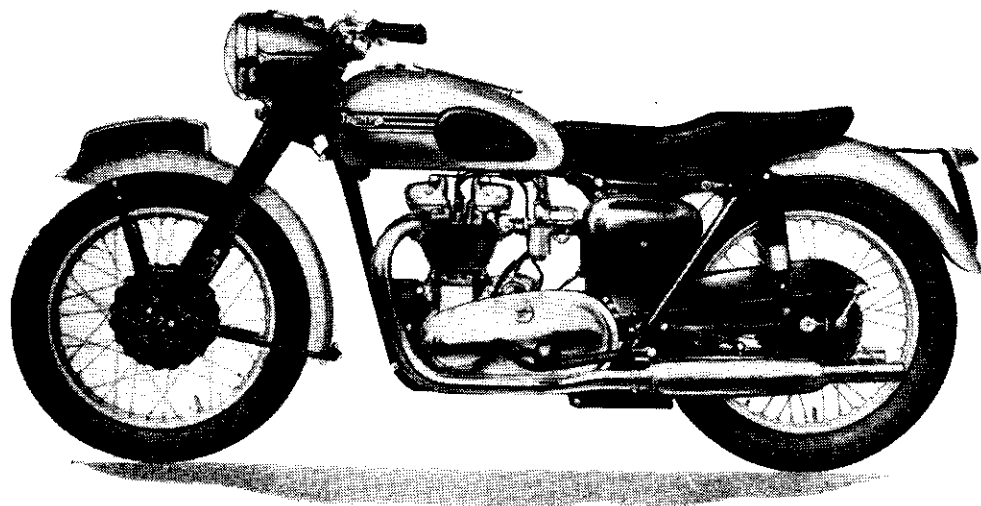
**SPEED TWIN (5T)****THUNDERBIRD (6T)****SPEED TWIN (5T)****SPECIFICATION**

Bore and stroke, mm. ...	...63 × 80	Ignition (fully retard)	...
ins. ...	2.48 × 3.15	ins. (mm.) ...	$\frac{1}{32}$ (0.8) B.T.D.C.
Cylinder capacity	...	Piston ring gap	...
c/cm (cu. ins.) ...	498 (30.5)	Compression—	...
Compression ratio ...	7 : 1	ins. (mm.) ...	.010-.014 (.25-.35)
Engine sprocket, solo ...	22	Scraper—	...
Engine sprocket, sidecar ...	19	ins. (mm.) ...	.007-.011 (.18-.28)
Carburetter main jet (Amal) ...	140	Inlet valve opens, B.T.D.C. ...	26½°
Carburetter slide (Amal) ...	6;3½	Exhaust valve closes, A.T.D.C. ...	35½°
Carburetter needle jet (Amal) ...	107	Petrol tank, gallons (litres) ...	4 (18)
Tappet clearance, cold	...	Oil tank, pints (litres) ...	...6 (3.4)
ins. (mm.) ...	.010 (.26)	Weight lbs. (dry) (kilos)	365 (165.5)

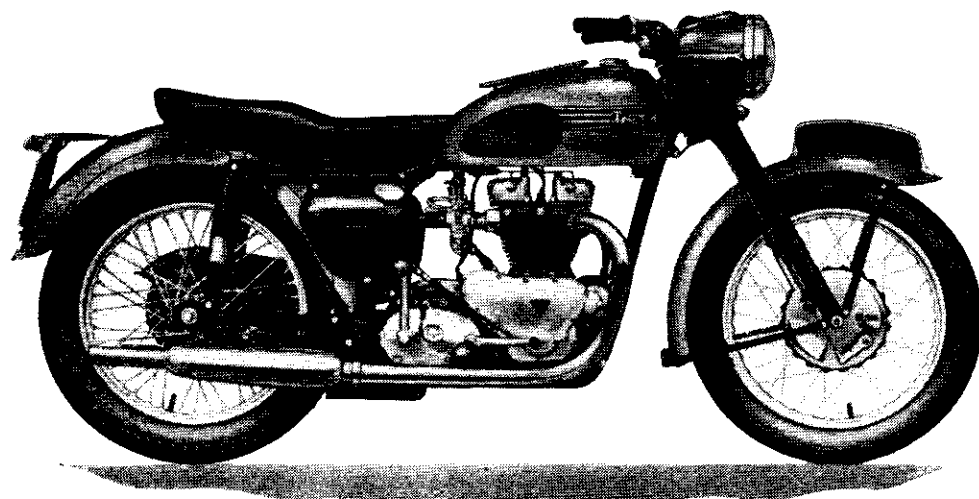
**THUNDERBIRD (6T)****SPECIFICATION**

Bore and stroke, mm. ...	...71 × 82	Ignition (fully retard) ...	T.D.C.
ins. ...	2.79 × 3.23	Piston ring gap (Compression and	...
Cylinder capacity	...	Scraper) ins. (mm.) .010-.014 (.25-.35)	...
c/cm (cu. ins.) ...	649 (40)	Inlet valve opens, B.T.D.C. ...	26½°
Compression ratio ...	7 : 1	Exhaust valve closes, A.T.D.C. ...	35½°
Engine sprocket, solo ...	24	Petrol tank, gallons (litres) ...	4 (18)
Engine sprocket, sidecar ...	21	Oil tank, pints (litres) ...	...6 (3.4)
Carburetter (S.U.)	Type MC2	Weight, lbs. (dry) (kilos)	370 (168)
Jet needle ...	M9		
Tappet clearance, cold	...		
ins. (mm.) ...	.010 (.26)		

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 ...	7.6 : 1†	ins. (mm.) ...	.010-.014 (.25-.35)
Engine sprocket, solo ...	22	Scraper—	
Carburetter main jet (Amal) ...	150*	ins. (mm.) ...	.007-.011 (.18-.28)
Carburetter slide (Amal) ...	6/3½	Inlet valve opens, B.T.D.C. ...	26½°
Carburetter needle jet (Amal) ...	107	Exhaust valve closes, A.T.D.C. ...	35½°
Tappet clearance, cold		Petrol tank, gallons (litres) ...	4 (18)
ins. (mm.) ...	.010 (.26)	Oil tank, pints (litres) ...	6 (3.4)
		Weight lbs. (dry) (kilos)	380 (172.5)

\* 160 without air filter

† 8.1 U.S.A.

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.) ...	$\frac{1}{8}$ (8.0) 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) ...	200*	Inlet valve opens, B.T.D.C. ...	51½°
Carburetter slide (Amal) ...	29.4	Exhaust valve closes, A.T.D.C. ...	57½°
Carburetter needle jet (Amal) ...	107	Petrol tank, gallons (litres) ...	4 (18)
		Oil tank, pints (litres) ...	6 (3.4)
		Weight lbs. (dry) (kilos)	395 (179.5)

\*220 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

**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.87 ... .. 1 ... .. E.1591 ... .. Bearing, ball d/s  
1 ... .. E.2877 ... .. Bearing roller t/s

CP.144 ... .. 2 ... .. E.1591 ... .. Bearing ball, d/s and t/s

**Fork (Telescopic) Service Pack**

CP.50 ... .. 2 ... .. H.443 ... .. Bearing, lower  
2 ... .. H.441 ... .. Bearing, upper  
2 ... .. E.1335 ... .. Washer, copper  
4 ... .. H.430 ... .. Washer, drain filler plug  
2 ... .. H.452 ... .. Restrictor, oil  
2 ... .. H.453 ... .. Cup, oil restrictor  
2 ... .. H.454 ... .. Pin, restrictor cup  
2 ... .. H.391 ... .. Washer, dust excluder felt  
2 ... .. H.420 ... .. Washer, outer cover felt

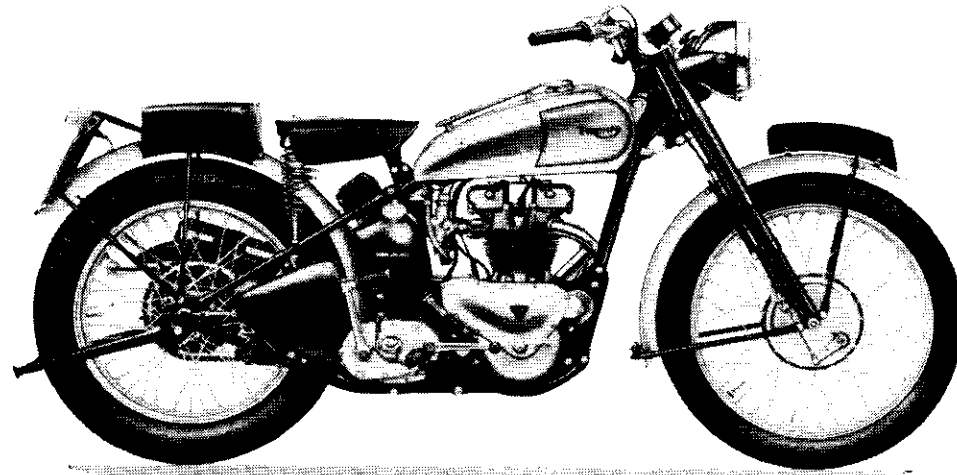
**Gears, Standard Ratio**

CP.145 ... .. 1 ... .. T.918 ... .. Gear, mainshaft high  
1 ... .. T.916 ... .. Gear, mainshaft 2nd  
1 ... .. T.1063 ... .. Gear, layshaft and high  
1 ... .. T.1065 ... .. Gear, layshaft 2nd  
1 ... .. T.934 ... .. Gear, speedometer driven

**Gears, Wide Ratio**

CP.94 ... .. 1 ... .. T.969 ... .. Gear, mainshaft high  
1 ... .. T.968 ... .. Gear, mainshaft 2nd  
1 ... .. T.971 ... .. Gear, layshaft and high  
1 ... .. T.974 ... .. Gear, layshaft 2nd  
1 ... .. T.975 ... .. Gear, speedometer driven

**TROPHY (TR5)**



**SPECIFICATION**

Bore and stroke, mm. ... .. .63 x 80	Ignition, fully advanced
ins, ... .. 2.48 x 3.15	ins. (mm.) ... .. 3/8 (9.5) B.T.D.C.
Cylinder capacity	Piston ring gap
c/cm. (cu. ins.) ... .. 498 (30.5)	Compression—
Compression ratio ... .. 6 : 1	ins. (mm.) ... .. .010-.014 (.25-.35)
Engine sprocket ... .. 21	Scraper—
Carburettor main jet (Amal) ... .. 150	ins. (mm.) ... .. .007-.011 (.18-.28)
Carburettor slide (Amal) ... .. 6/3 1/2	Inlet valve opens B.T.D.C. ... .. 26 1/2°
Carburettor needle jet (Amal) ... .. 107	Exhaust valve closes A.T.D.C. ... .. 35 1/2°
Tappet clearance, cold	Petrol tank, gallons (litres) 2 1/2 (11.4)
ins. (mm.) ... .. .010 (.26)	Oil tank, pints (litres) ... .. 6 (3.4)
	Weight lbs. (dry) (kilos) 295 (134)

**GROUP I - CARTON PACK**

**CARTON PACK - GROUP I**

PART No.	DESCRIPTION AND CONTENTS	
<b>Gear, Close Ratio</b>		
CP.95	1	T.1177 Mainshaft and low gear
	1	T.957 Gear, mainshaft high
	1	T.1179 Gear, mainshaft 3rd
	1	T.955 Gear, mainshaft 2nd
	1	T.959 Layshaft and high gear
	1	T.964 Gear, layshaft 3rd
	1	T.963 Gear, layshaft 2nd
	1	T.961 Gear, layshaft low
	1	T.983 Plug, speedometer drive sealing
	1	T.948 Washer, speedometer drive plug
<b>Kickstarter Ratchet Gear</b>		
CP.27	1	T.730 Pinion, kickstarter
	1	T.731 Ratchet, kickstart
	1	T.488/28 Spring and sleeve
	1	T.732 Lockwasher
<b>Pistons</b>		
CP.29	1	E.1563 Piston C.R. 7 : 1
	1	E.656 Ring first compression
	1	E.3048 Ring, second compression (Taper)
	1	GE.29 Ring, scraper
	1	WE.203E... Pin, gudgeon
	2	WE.479 Circlip
CP.29/10	1	E.1563/10 Piston +.010 inch C.R. 7 : 1
	1	E.656/10 Ring, first compression
	1	E.3048/10 Ring, second compression (Taper)
	1	GE.29/10... Ring, scraper
	1	WE.203E... Pin, gudgeon
	2	WE.479 Circlip
CP.29/20	1	E.1563/20 Piston +.020 inch C.R. 7 : 1
	1	E.656/20 Ring, first compression
	1	E.3048/20 Ring, second compression (Taper)
	1	GE.29/20... Ring, scraper
	1	WE.203E... Pin, gudgeon
	2	WE.479 Circlip
CP.29/40	1	E.1563/40 Piston +.040 inch C.R. 7 : 1
	1	E.656/40 Ring, first compression
	1	E.3048/40 Ring, second compression (Taper)
	1	GE.29/40... Ring, scraper
	1	WE.203E... Pin, gudgeon
	2	WE.479 Circlip

PART No.	DESCRIPTION AND CONTENTS	
CP.131	1	E.1908 Piston C.R. 7.6 : 1
	1	E.3380 Ring, first compression (Taper)
	1	E.656 Ring, second compression
	1	GE.29 Ring, scraper
	1	WE.203E... Pin, gudgeon
	2	WE.479 Circlip
CP.131/10	1	E.1908/10 Piston +.010 inch C.R. 7.6 : 1
	1	E.3380/10 Ring, first compression (Taper)
	1	E.656/10 Ring, second compression
	1	GE.29/10... Ring, scraper
	1	WE.203E... Pin, gudgeon
	2	WE.479 Circlip
CP.131/20	1	E.1908/20 Piston +.020 inch C.R. 7.6 : 1
	1	E.3380/20 Ring, first compression (Taper)
	1	E.656/20 Ring, second compression
	1	GE.29/20... Ring, scraper
	1	WE.203E... Pin, gudgeon
	2	WE.479 Circlip
CP.37	1	E.1969 Piston C.R. 6 : 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.37/10	1	E.1969/10 Piston +.010 inch C.R. 6 : 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.37/20	1	E.1969/20 Piston +.020 inch C.R. 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
	2	WE.479 Circlip
*CP.132	1	E.2671 Piston C.R. 12 : 1
	1	E.3380 Ring, first compression (Taper),
	1	E.656 Ring, second compression
	1	GE.29 Ring, scraper
	1	WE.203E... Pin, gudgeon
	2	WE.479 Circlip

\*Suitable for alcohol fuel only.

PART No.			DESCRIPTION AND CONTENTS	
*CP.133	...	1	E.2489	Piston C.R. 8.5 : 1
		1	E.3380	Ring, first compression (Taper)
		1	E.656	Ring, second compression
		1	GE.29	Ring, scraper
		1	WE.203E...	Pin, gudgeon
		2	WE.479	Circlip
*CP.133/10	...	1	E.2489/10	Piston +.010 inch C.R. 8.5 : 1
		1	E.3380/10	Ring, first compression (Taper)
		1	E.656/10	Ring, second compression
		1	GE.29/10	Ring, scraper
		1	WE.203E...	Pin, gudgeon
		2	WE.479	Circlip
*CP.133/20	...	1	E.2489/20	Piston, +.020 inch C.R. 8.5 : 1
		1	E.3380/20	Ring, first compression (Taper)
		1	E.656/20	Ring, second compression
		1	GE.29/20	Ring, scraper
		1	WE.203E...	Pin, gudgeon
		2	WE.479	Circlip
*CP.133/40	...	1	E.2489/40	Piston +0.040 inch C.R. 8.5 : 1
		1	E.3380/40	Ring, first compression (Taper)
		1	E.656/40	Ring, second compression
		1	GE.29/40	Ring, scraper
		1	WE.203E...	Pin, gudgeon
		2	WE.479	Circlip
†CP.134	...	1	E.2884	Piston C.R. 9.5 : 1
		1	E.3380	Ring, compression first (Taper)
		1	E.656	Ring, second compression
		1	GE.29	Ring, scraper
		1	WE.203E...	Pin, gudgeon
		2	WE.479	Circlip
CP.98	...	1	E.2891	Piston C.R. 7 : 1
		1	E.2897	Ring, first compression
		1	E.3049	Ring, second compression (Taper)
		1	E.2898	Ring, scraper
		1	WE.203E...	Pin, gudgeon
		2	WE.479	Circlip
CP.98/10	...	1	E.2891/10	Piston +.010 inch C.R. 7 : 1
		1	E.2897/10	Ring, first compression
		1	E.3049/10	Ring, second compression (Taper)
		1	E.2898/10	Ring, scraper
		1	WE.203E...	Pin, gudgeon
		2	WE.479	Circlip

\*Suitable for high grade fuels only.

†Suitable for Petrol-Benzole fuels only.

PART No.			DESCRIPTION AND CONTENTS	
CP.98/20	...	1	E.2891/20	Piston +.020 inch C.R. 7 : 1
		1	E.2897/20	Ring, first compression
		1	E.3049/20	Ring, second compression (Taper)
		1	E.2898/20	Ring, scraper
		1	WE.203E...	Pin, gudgeon
		2	WE.479	Circlip
CP.98/40	...	1	E.2891/40	Piston +.040 inch C.R. 7 : 1
		1	E.2897/40	Ring, first compression
		1	E.3049/40	Ring, second compression (Taper)
		1	E.2898/40	Ring, scraper
		1	WE.203E...	Pin, gudgeon
		2	WE.479	Circlip
CP.136	...	1	E.3000	Piston C.R. 8.5 : 1
		1	E.3381	Ring, first compression (Taper)
		1	E.2897	Ring, second compression
		1	E.2898	Ring, scraper
		1	WE.203E...	Pin, gudgeon
		2	WE.479	Circlip
CP.136/10	...	1	E.3000/10	Piston +0.010 inch C.R. 8.5 : 1
		1	E.3381/10	Ring, first compression (Taper)
		1	E.2897/10	Ring, second compression
		1	E.2898/10	Ring, scraper
		1	WE.203E...	Pin, gudgeon
		2	WE.479	Circlip
CP.136/20	...	1	E.3000/20	Piston +0.020 inch C.R. 8.5 : 1
		1	E.3381/20	Ring, first compression (Taper)
		1	E.2897/20	Ring, second compression
		1	E.2898/20	Ring, scraper
		1	WE.203E...	Pin, gudgeon
		2	WE.479	Circlip
CP.136/40	...	1	E.3000/40	Piston +0.040 inch C.R. 8.5 : 1
		1	E.3381/40	Ring, first compression (Taper)
		1	E.2897/40	Ring, second compression
		1	E.2898/40	Ring, scraper
		1	WE.203E...	Pin, gudgeon
		2	WE.479	Circlip
CP.109	...	1	E.3052	Piston C.R. 5 : 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

**GROUP I — CARTON PACK**

**CARTON PACK — GROUP I**

PART No.			DESCRIPTION AND CONTENTS
CP.109/20	...	1	E.3052/20 ... Piston +.020 inch C.R. 5 : 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.135	...	1	E.3098 ... Piston C.R. 8 : 1
	...	1	E.3380 ... Ring, first compression (Taper)
	...	1	E.656 ... Ring, second compression
	...	1	GE.29 ... Ring, scraper
	...	1	WE.203E... Pin, gudgeon
	...	2	WE.479 ... Circlip
CP.135/10	...	1	E.3098/10 ... Piston +.010 inch C.R. 8 : 1
	...	1	E.3380/10 ... Ring, first compression (Taper)
	...	1	E.656/10 ... Ring, second compression
	...	1	GE.29/10... Ring, scraper
	...	1	WE.203E... Pin, gudgeon
	...	2	WE.479 ... Circlip
CP.135/20	...	1	E.3098/20 ... Piston +.020 inch C.R. 8 : 1
	...	1	E.3380/20 ... Ring, first compression (Taper)
	...	1	E.656/20 ... Ring, second compression
	...	1	GE.29/20... Ring, scraper
	...	1	WE.203E... Pin, gudgeon
	...	2	WE.479 ... Circlip
CP.147 ...	...	1	E.3415 ... Piston C.R. 7.5 : 1
	...	1	E.3381 ... Ring, first compression (Taper)
	...	1	E.2897 ... Ring, second compression
	...	1	E.2898 ... Ring, scraper
	...	1	WE.203E... Pin, gudgeon
	...	2	WE.479 ... Circlip
CP.147/10	...	1	E.3415/10 ... Piston +0.010" C.R. 7.5 : 1
	...	1	E.3381/10 ... Ring, first compression (Taper)
	...	1	E.2897/10 ... Ring, second compression
	...	1	E.2898/10 ... Ring, scraper
	...	1	WE.203E... Pin, gudgeon
	...	2	WE.479 ... Circlip
CP.147/20	...	1	E.3415/20 ... Piston +0.020" C.R. 7.5 : 1
	...	1	E.3381/20 ... Ring, first compression (Taper)
	...	1	E.2897/20 ... Ring, second compression
	...	1	E.2898/20 ... Ring, scraper
	...	1	WE.203E... Pin, gudgeon
	...	2	WE.479 ... Circlip

PART No.			DESCRIPTION AND CONTENTS
CP.147/40	...	1	E.3415/40 ... Piston +0.040" C.R. 7.5 : 1
	...	1	E.3381/40 ... Ring, first compression (Taper)
	...	1	E.2897/40 ... Ring, second compression
	...	1	E.2898/40 ... Ring, scraper
	...	1	WE.203E... Pin, gudgeon
	...	2	WE.479 ... Circlip
<b>Piston Rings</b>			
CP.40 ...	...	2	E.656 ... Ring, first compression
	...	2	E.3048 ... Ring, second compression (Taper)
	...	2	GE.29 ... Ring, scraper
CP.40/10	...	2	E.656/10 ... Ring, first compression
	...	2	E.3048/10 ... Ring, second compression (Taper)
	...	2	GE.29/10... Ring, scraper
CP.40/20	...	2	E.656/20 ... Ring, first compression
	...	2	E.3048/20 ... Ring, second compression (Taper)
	...	2	GE.29/20... Ring, scraper
CP.40/40	...	2	E.656/40 ... Ring, first compression
	...	2	E.3048/40 ... Ring, second compression (Taper)
	...	2	GE.29/40... Ring, scraper
CP.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.99/40	...	2	E.2897/40 ... Ring, first compression
	...	2	E.3049/40 ... Ring, second compression (Taper)
	...	2	E.2898/40 ... Ring, scraper



PART No.	DESCRIPTION AND CONTENTS					
CP.137	2	...	E.3380	...	...	Ring, first compression (Taper)
	2	...	E.656	...	...	Ring, second compression
	2	...	GE.29	...	...	Ring, scraper
CP.137/10	2	...	E.3380/10	...	...	Ring, first compression (Taper)
	2	...	E.656/10	...	...	Ring, second compression
	2	...	GE.24/10	...	...	Ring, scraper
CP.137/20	2	...	E.3380/20	...	...	Ring, first compression (Taper)
	2	...	E.656/20	...	...	Ring, second compression
	2	...	GE.29/20	...	...	Ring, scraper
CP.138	2	...	E.3381	...	...	Ring, first compression (Taper)
	2	...	E.2897	...	...	Ring, second compression
	2	...	E.2898	...	...	Ring, scraper
CP.138/10	2	...	E.3381/10	...	...	Ring, first compression (Taper)
	2	...	E.2897/10	...	...	Ring, second compression
	2	...	E.2898/10	...	...	Ring, scraper
CP.138/20	2	...	E.3381/20	...	...	Ring, first compression (Taper)
	2	...	E.2897/20	...	...	Ring, second compression
	2	...	E.2898/20	...	...	Ring, scraper
CP.138/40	2	...	E.3381/40	...	...	Ring, first compression (Taper)
	2	...	E.2897/40	...	...	Ring, second compression
	2	...	E.2898/40	...	...	Ring, scraper
<b>Spring Wheel Spring Set</b>						
CP.67	1	...	W.837	...	...	Spring, inner main
	1	...	W.836	...	...	Spring, outer main
	1	...	W.890	...	...	Spring, rebound
	2	...	W.941	...	...	Locator plate
	2	...	W.658	...	...	Buffer
<b>Spring Wheel Slipper Pads</b>						
CP.89	1	...	W.935	...	...	Pad, slipper (convex)
	1	...	W.936	...	...	Pad, slipper (concave)
	4	...	W.866	...	...	Shim .002" thick
	2	...	W.867	...	...	Shim .003" thick

PART No.	DESCRIPTION AND CONTENTS					
<b>Sidecar Connections</b>						
CP.14	1	...	F.2587	...	...	Connection, front
	1	...	F.2600	...	...	Bolt
	2	...	F.1746	...	...	Nut, sleeved
	1	...	F.2601	...	...	Connection, rear
	2	...	F.1743	...	...	Stud
	2	...	S.1-5	...	...	Nut
	2	...	KF.365	...	...	Washer, spring
1	...	F.1747	...	...	Nut	
<b>Steering Races</b>						
CP.57	1	...	H.437	...	...	Cup
	1	...	H.111	...	...	Cup
	1	...	H.438	...	...	Cone
	1	...	H.439	...	...	Cone
	22	...	S.70-4	...	...	Ball
	20	...	S.70-3	...	...	Ball
<b>Valves</b>						
CP.6	2	...	E.1955	...	...	Valve, inlet
	2	...	E.1956	...	...	Valve, exhaust
CP.96	2	...	E.2903	...	...	Valve, inlet
	2	...	E.2904	...	...	Valve, exhaust
CP.103	2	...	E.2969	...	...	Valve, inlet
	2	...	E.1956	...	...	Valve, exhaust
CP.146	2	...	E.3310	...	...	Valve, inlet
	2	...	E.2904	...	...	Valve, exhaust
<b>Valve Guides</b>						
CP.97	2	...	E.2899	...	...	Guide, inlet
	2	...	E.2900	...	...	Guide, exhaust
<b>Valve Springs</b>						
CP.5	4	...	E.1488	...	...	Spring, inner
	4	...	E.1487	...	...	Spring, outer
CP.102	2	...	E.3001	...	...	Spring, valve inner
	2	...	E.3002	...	...	Spring, valve outer

# REPLACEMENT PARTS

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

## ENGINE—GROUP 2

### CYLINDER BLOCK

1	E2927	Block, cylinder	...	...	...	...	1	—	—	—	—
2	E2895	Block, cylinder	...	...	...	...	—	1	—	—	—
3	E2958	Block, cylinder	...	...	...	...	—	—	1	1	—
4	E3332	Block, cylinder	...	...	...	...	—	—	—	—	1
5	E2249	Washer, cylinder base	...	...	...	...	1	—	1	1	—
6	E2894	Washer, cylinder base	...	...	...	...	—	1	—	—	1

### CYLINDER HEAD

7	E2928	Head, cylinder c/w guides	...	...	...	...	1	—	—	—	—
8	E2896	Head, cylinder c/w guides	...	...	...	...	—	1	—	—	—
9	E3021	Head, cylinder c/w guides	...	...	...	...	—	—	1	—	—
10	E3005	Head, cylinder c/w guides	...	...	...	...	—	—	—	1	—
11	E3333	Head, cylinder c/w guides	...	...	...	...	—	—	—	—	1
12	E2961	Adaptor, exhaust pipe	...	...	...	...	—	—	—	2	—
13	E2248	Gasket, cylinder head	...	...	...	...	1	—	—	—	—
14	E2905	Gasket, cylinder head	...	...	...	...	—	1	—	—	1
15	E3003	Gasket, cylinder head	...	...	...	...	—	—	1	1	—
16	E327	Bolt, cylinder head short	...	...	...	...	4	4	—	—	4
17	E1484	Bolt, cylinder head medium	...	...	...	...	2	2	—	—	2
18	E1596	Bolt, cylinder head (torque)	...	...	...	...	2	2	—	—	2
19	E1596A	Bolt, cylinder head (torque)	...	...	...	...	—	—	—	2	—
20	E2873	Bolt, cylinder head short	...	...	...	...	—	—	4	4	—
21	E2874	Bolt, cylinder head, medium	...	...	...	...	—	—	4	2	—
22	GS308	Washer, cylinder head bolt	...	...	...	...	4	4	—	—	4
23	F2184	Washer, cylinder head bolt	...	...	...	...	—	—	7	8	—

### INLET MANIFOLD

24	E1456	Manifold, inlet	...	...	...	...	1	—	—	—	—
25	E3074	Manifold, inlet	...	...	...	...	—	1	—	—	—
26	E2991	Manifold, inlet	...	...	...	...	—	—	1	—	—
27	E2991T	Manifold, inlet	...	...	...	...	—	—	—	1	—
28	E3304	Manifold, inlet	...	...	...	...	—	—	—	—	1
29	E1552	Washer, inlet manifold joint	...	...	...	...	2	—	—	—	—
30	E1676	Washer, inlet manifold joint	...	...	...	...	—	2	—	—	—
31	E2967	Washer, inlet manifold joint	...	...	...	...	—	—	2	2	—
32	E3334	Washer, inlet manifold joint	...	...	...	...	—	—	—	—	2

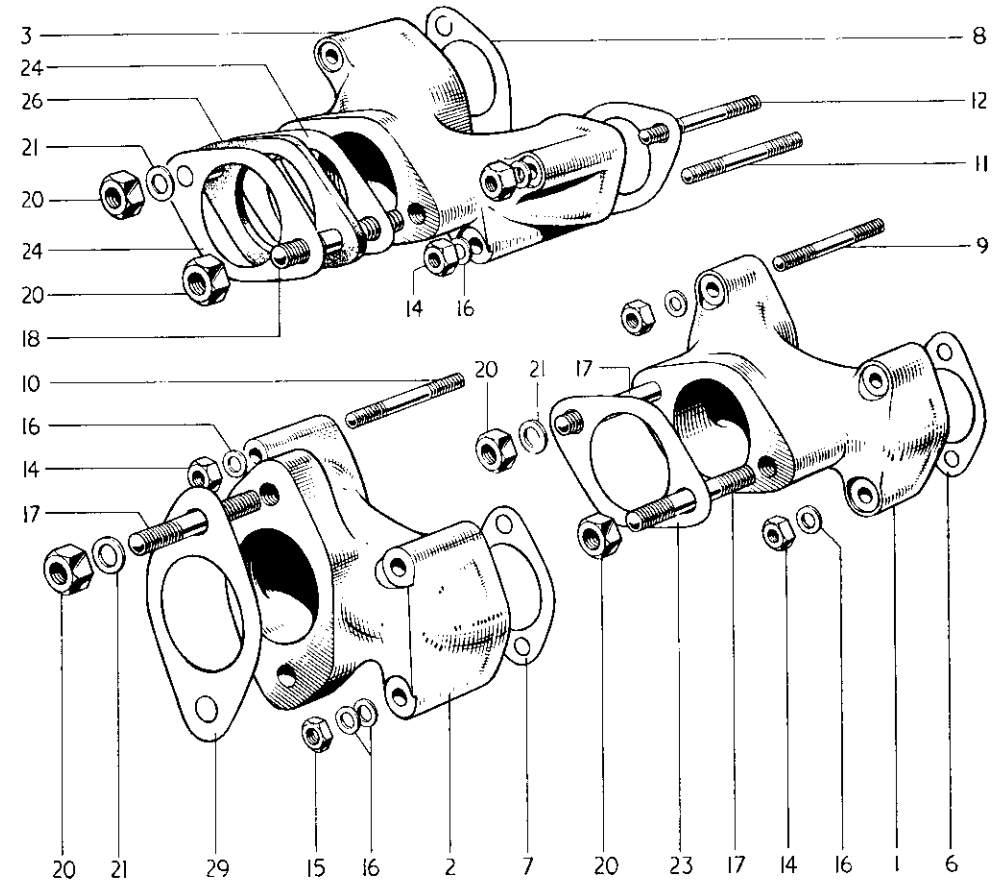


FIG. 1. INLET MANIFOLDS

### INDEX

Illust. No.	Part No.	Page No.	Ref. No.	Illust. No.	Part No.	Page No.	Ref. No.
1	E1456	18	24	12	E2973	20	4
	E3304	18	28	14	W103	20	5
2	E3074	18	25	15	F879	20	6
3	E2991	18	26	16	S25-13	20	7
	E2991T	18	27	17	E1553	20	8
6	E1552	18	29	18	E2962	20	9
	E3334	18	32	20	S1-51	20	10
7	E1676	18	30	21	S25-3	20	11
8	E2967	18	31	23	NA43	107	46
9	E1554	20	1	24	NA43A	107	47
10	E2920	20	2	26	E2968	107	48
11	E2972	20	3	29	E3075	108	3

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

VALVES, GUIDES AND SPRINGS

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

PISTONS, RINGS, ETC.

26	E1563	Piston body, standard CR7 : I	2	—	—	—	—
27	E1563/10	Piston body, +.010" CR7 : I	2	—	—	—	—
28	E1563/20	Piston body, +.020" CR7 : I	2	—	—	—	—
29	E1563/40	Piston body, +.040" CR7 : I	2	—	—	—	—
30	E2891	Piston body, standard CR7 : I	—	2	—	—	—
31	E2891/10	Piston body, +.010" CR7 : I	—	2	—	—	—
32	E2891/20	Piston body, +.020" CR7 : I	—	2	—	—	—
33	E2891/40	Piston body, +.040" CR7 : I	—	2	—	—	—
34	E1969	Piston body, standard CR6 : I	—	—	2	—	—
35	E1969/10	Piston body, +.010" CR6 : I	—	—	2	—	—
36	E1969/20	Piston body, +.020" CR6 : I	—	—	2	—	—
37	E3052	Piston body, standard CR5 : I	—	—	2	—	—
38	E3052/10	Piston body, +.010" CR5 : I	—	—	2	—	—
39	E3052/20	Piston body, +.020" CR5 : I	—	—	2	—	—
40	E1908	Piston body, standard CR7.6 : I	—	—	—	2	—
41	E1908/10	Piston body, +.010" CR7.6 : I	—	—	—	2	—
42	E1908/20	Piston body, +.020" CR7.6 : I	—	—	—	2	—
43	*E3098	Piston body, standard CR8 : I	—	—	—	2	—
44	*E3098/10	Piston body, +.010" CR8 : I	—	—	—	2	—
45	*E3098/20	Piston body, +.020" CR8 : I	—	—	—	2	—

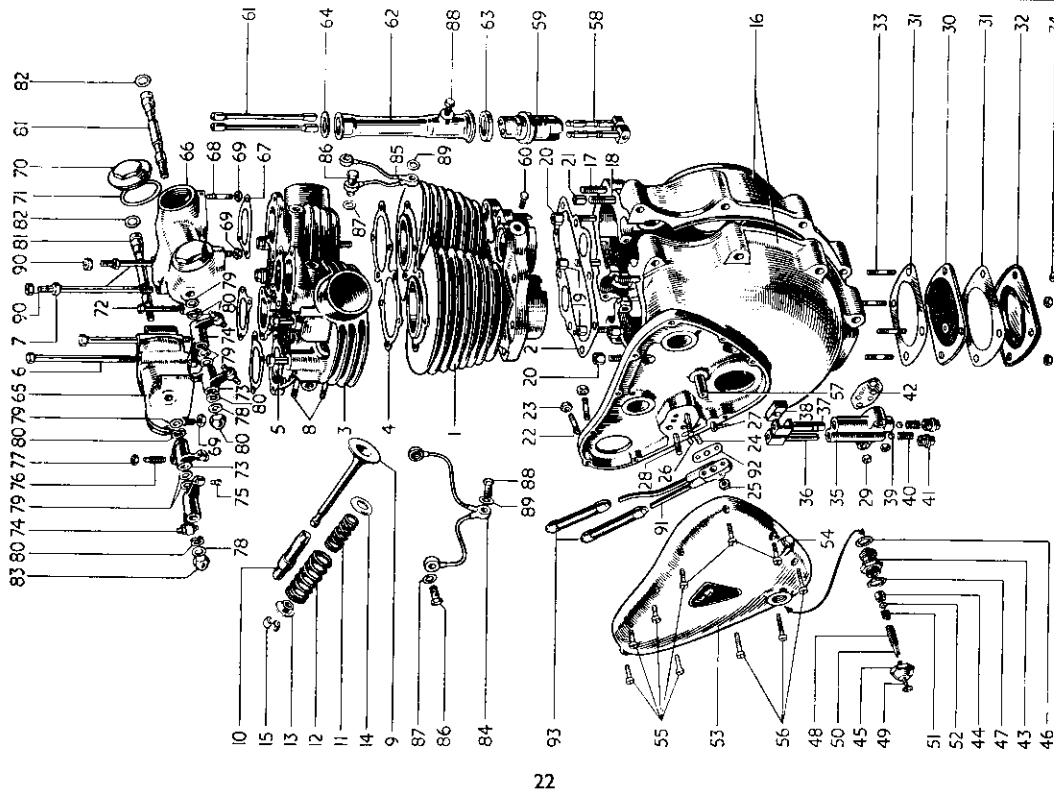
\*Fitted to standard T100 Machines supplied to the U.S.A.

REF. No.	PART No.	DESCRIPTION	5T	6T	TR5	T100	T110
1	E3000	Piston body, standard CR8.5 : I	—	—	—	—	2
2	E3000/10	Piston body, +.010" CR8.5 : I	—	—	—	—	2
3	E3000/20	Piston body, +.020" CR8.5 : I	—	—	—	—	2
4	E3000/40	Piston body, +.040" CR8.5 : I	—	—	—	—	2
5	*E3415	Piston body, standard, C.R. 7.5 : I	—	—	—	—	2
6	*E3415/10	Piston body +0.010", C.R. 7.5 : I	—	—	—	—	2
7	*E3415/20	Piston body +0.020" C.R. 7.5 : I	—	—	—	—	2
8	*E3415/40	Piston body +0.040" C.R. 7.5 : I	—	—	—	—	2
9	E656	Ring, piston compression, standard	2	—	2	2	—
10	E656/10	Ring, piston compression, —.010"	2	—	2	2	—
11	E656/20	Ring, piston compression, —.020"	2	—	2	2	—
12	E656/40	Ring, piston compression, —.040"	2	—	—	—	—
13	E3380	Ring, piston compression, standard (Chrome)	—	—	—	2	—
14	E3380/10	Ring, piston compression, —.010" (Chrome)	—	—	—	2	—
15	E3380/20	Ring, piston compression, —.020" (Chrome)	—	—	—	2	—
16	E3048	Ring, piston compression, standard (Taper)	2	—	2	—	—
17	E3048/10	Ring, piston compression, —.010" (Taper)	2	—	2	—	—
18	E3048/20	Ring, piston compression, —.020" (Taper)	2	—	2	—	—
19	E3048/40	Ring, piston compression, —.040" (Taper)	2	—	—	—	—
20	E2897	Ring, piston compression, standard	—	2	—	—	2
21	E2897/10	Ring, piston compression, —.010"	—	2	—	—	2
22	E2897/20	Ring, piston compression, —.020"	—	2	—	—	2
23	E2897/40	Ring, piston compression, —.040"	—	2	—	—	2
24	E3381	Ring, piston compression, standard (Chrome)	—	—	—	—	2
25	E3381/10	Ring, piston compression, —.010" (Chrome)	—	—	—	—	2
26	E3381/20	Ring, piston compression, —.020" (Chrome)	—	—	—	—	2
27	E3381/40	Ring, piston compression, —.040" (Chrome)	—	—	—	—	2
28	E3049	Ring, piston compression, standard (Taper)	—	2	—	—	—
29	E3049/10	Ring, piston compression, —.010" (Taper)	—	2	—	—	—
30	E3049/20	Ring, piston compression, —.020" (Taper)	—	2	—	—	—
31	E3049/40	Ring, piston compression, —.040" (Taper)	—	2	—	—	—
32	GE29	Ring, piston scraper, standard	2	—	2	2	—
33	GE29/10	Ring, piston scraper, —.010"	2	—	2	2	—
34	GE29/20	Ring, piston scraper, —.020"	2	—	2	2	—
35	GE29/40	Ring, piston scraper, —.040"	2	—	—	—	—
36	E2898	Ring, piston scraper, standard	—	2	—	—	2
37	E2898/10	Ring, piston scraper, —.010"	—	2	—	—	2
38	E2898/20	Ring, piston scraper, —.020"	—	2	—	—	2
39	E2898/40	Ring, piston scraper, —.040"	—	2	—	—	2
40	WE203E	Pin, gudgeon	2	2	2	2	2
41	WE479	Circlip, gudgeon pin	4	4	4	4	4

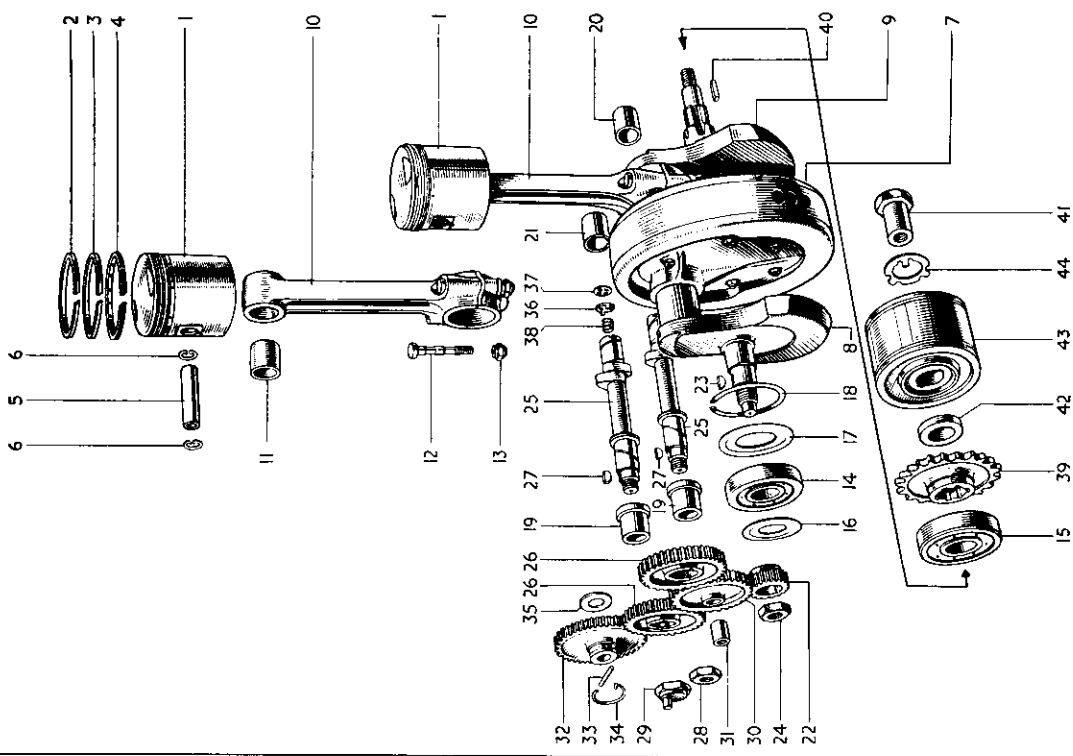
\*Supplied for Australian market.

Piston assemblies and piston ring sets are available in carton packs, see pages 10 to 16.

**SPEED TWIN (5T) ENGINE**



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



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

**GROUP 2 - ENGINE**

**FIG. 2 INDEX**

Illust. No.	Part No.	Page No.	Ref. No.
1	E2927	18	1
2	E2249	18	5
3	E2928	18	7
4	E2248	18	13
5	E327	18	16
6	E1484	18	17
7	E1596	18	18
8	E1554	20	1
9	E1955	20	13
10	E1956	20	17
11	E2899	20	19
12	E2900	20	20
13	E1487	20	21
14	E1543	20	22
15	E1544	20	23
16	WE259A	20	24
17	E220A 3109	32	22
18	E1614	32	26
19	W76	32	27
20	PO172A	32	28
21	E1534A	32	29
22	E2022	32	32
23	SI-51	32	35
24	E1539	32	38
25	SI-51	32	39
26	E1532	32	40
27	E1535	32	42
28	E1536	33	43
29	F879	33	1
30	E529	33	2
		33	7

Illust. No.	Part No.	Page No.	Ref. No.
31	E487	33	8
32	E486	33	9
33	E1540	33	10
34	F879	33	12
35	GS35	33	31
36	GS153	33	32
37	E1476	33	33
38	E495	33	34
39	S70-7	33	35
40	E403	33	36
41	E2360	33	37
42	E1537	33	38
43	E2794	34	2
44	GS251	34	3
45	E2790	34	4
46	E1670	34	5
47	GS254	34	6
48	E2788	34	7
49	E2791	34	8
50	E2793	34	9
51	E2789	34	10
52	E2792	34	11
53	E3110-5T	34	12
54	E2615	34	24
55	E427	34	26
56	E1049	34	27
57	E375	34	29
58	E3059	35	6
59	E1477	35	7
60	H200	35	10
61	E1693	35	12
62	E1505	35	14

Illust. No.	Part No.	Page No.	Ref. No.
63	E1496	35	17
64	E1497	35	18
65	E1461T	35	19
66	E1462T	35	20
67	E1650	35	21
68	E1540	35	22
69	F879	35	24
70	E1564	35	26
71	E1577	35	27
72	E1545	35	28
73	E1457	35	31
74	E1458	35	32
75	E1483	35	33
76	E1513	35	34
77	E470	35	35
78	E1330	35	36
79	E1575	35	37
80	E1574	36	1
81	E1512	36	2
82	E1336	36	3
83	E1435	36	4
84	GS272	36	8
85	GS273	36	9
86	E1601	36	10
87	E1335	36	12
88	E984	36	13
89	F1880	36	14
90	SI-52	49	24
91	E1526	86	30
92	E1529	86	35
93	MFI19	86	38

**FIG. 3 INDEX**

Illust. No.	Part No.	Page No.	Ref. No.
1	E1563	20	26
2	E656	21	9
3	E3048	21	16
4	WE203E	21	32
5	WE479	21	40
6	WE479	21	41
7	E2918	32	4
8	E2915	32	6
9	E3112	32	9
10	E2921	32	16
11	E1511	32	19
12	E2490A	32	20
13	E2922	32	21
14	E2877	33	13
15	E1591	33	14
16	E2883	33	16

Illust. No.	Part No.	Page No.	Ref. No.
17	E2296	33	17
18	E489	33	18
19	E1479	33	19
20	E1516	33	20
21	E2260	33	21
22	E1472	34	28
23	E1580	34	29
24	E398	34	30
25	E3275	34	31
26	E1486A	34	33
27	E1558	34	34
28	E1492	34	35
29	E1463	34	36
30	E1471	34	37
31	E400	34	38
32	E3123	34	40

Illust. No.	Part No.	Page No.	Ref. No.
33	E3125	34	41
34	E126	34	42
35	146460	34	43
36	E2254	35	1
37	GS87	35	2
38	E2256	35	3
39	E3108-22	36	16
	(Solo)		
	E3108-19	36	15
	(S-car)		
40	E3115	36	25
41	E3117	36	26
42	E3116	36	29
*43	047507	118	1
44	465672	118	3

\*Sold as complete unit with Stator.

# THUNDERBIRD (6T) ENGINE

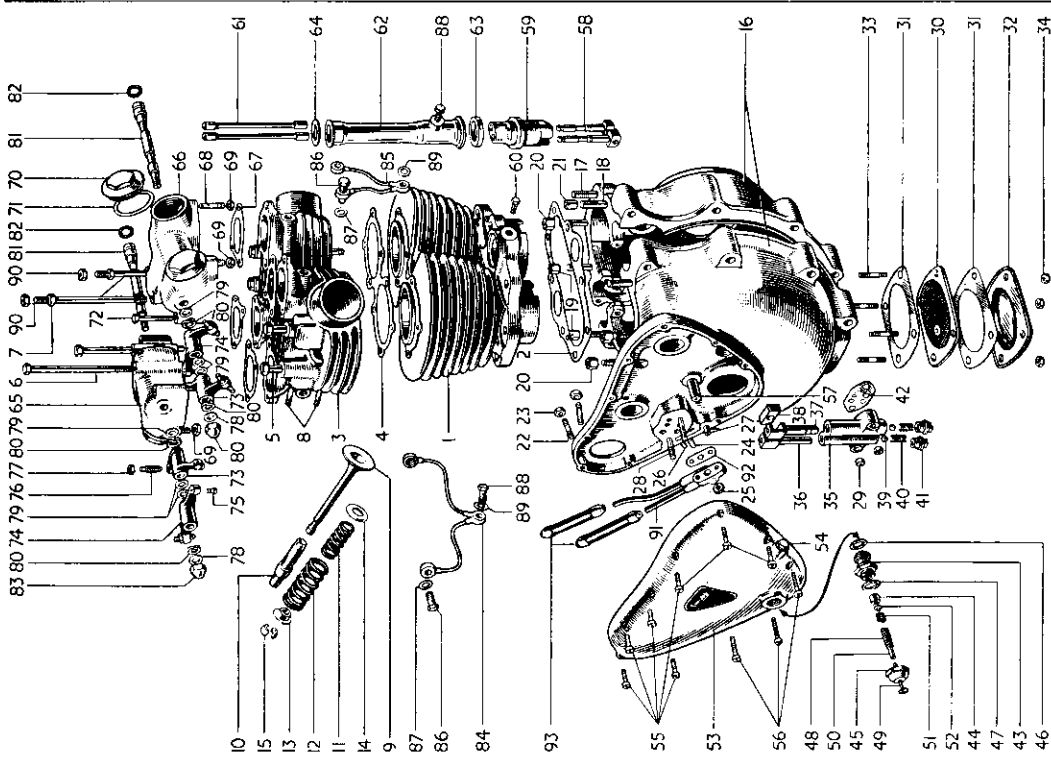


FIG. 4. CRANKCASE, CYLINDER BLOCK, CYLINDER HEAD, etc.

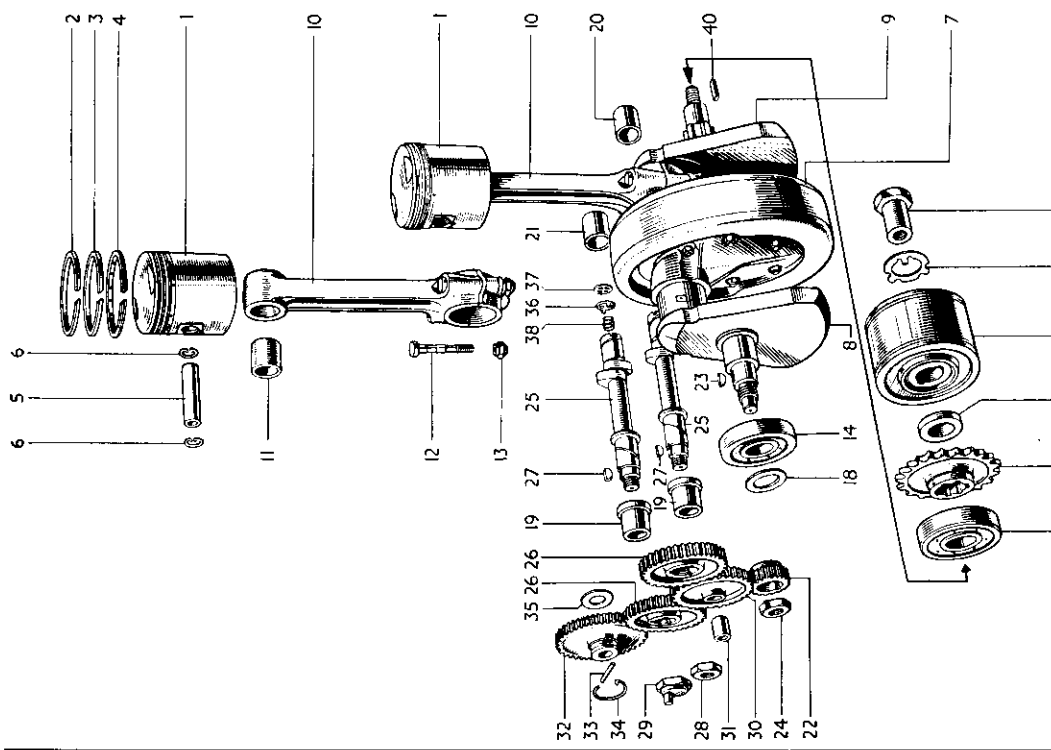


FIG. 5. CRANKSHAFT, CONNECTING RODS, PISTON TIMING GEAR, etc.

## FIG. 4 INDEX

Illust. No.	Part No.	Page No.	Ref. No.
1	E2895	18	2
2	E2894	18	6
3	E2896	18	8
4	E2905	18	14
5	E327	18	16
6	E1484	18	17
7	E1596	18	18
8	E2920	20	2
9	E2903	20	14
10	E2904	20	18
11	E2899	20	19
12	E2900	20	20
13	E1488	20	21
14	E1543	20	22
15	WE259A	20	23
16	E2892-3314	22	24
17	E672	32	26
18	E1614	32	27
19	W76	32	28
20	PO172A	32	29
21	E1534A	32	32
22	E2022	32	35
23	SI-51	32	38
24	E1539	32	39
25	SI-51	32	40
26	E1532	32	42
27	E1535	32	43
28	E1536	33	1
29	F879	33	2
30	E529	33	7

Illust. No.	Part No.	Page No.	Ref. No.
31	E487	33	8
32	E486	33	9
33	E1540	33	10
34	F879	33	12
35	GS35	33	31
36	GS153	33	32
37	E1476	33	33
38	E495	33	34
39	S70-7	33	35
40	E403	33	36
41	E2360	33	37
42	E1537	33	38
43	E2794	34	2
44	GS251	34	3
45	E2790	34	4
46	E1670	34	5
47	GS254	34	6
48	E2788	34	7
49	E2791	34	8
50	E2793	34	9
51	E2789	34	10
52	E2792	34	11
53	E3110/6T	34	13
54	E2615	34	24
55	E427	34	26
56	E1049	34	27
57	E375	34	29
58	E3059	35	6
59	E1477	35	7
60	H200	35	10
61	E1693	35	12
62	E1505	35	14

## FIG. 5 INDEX

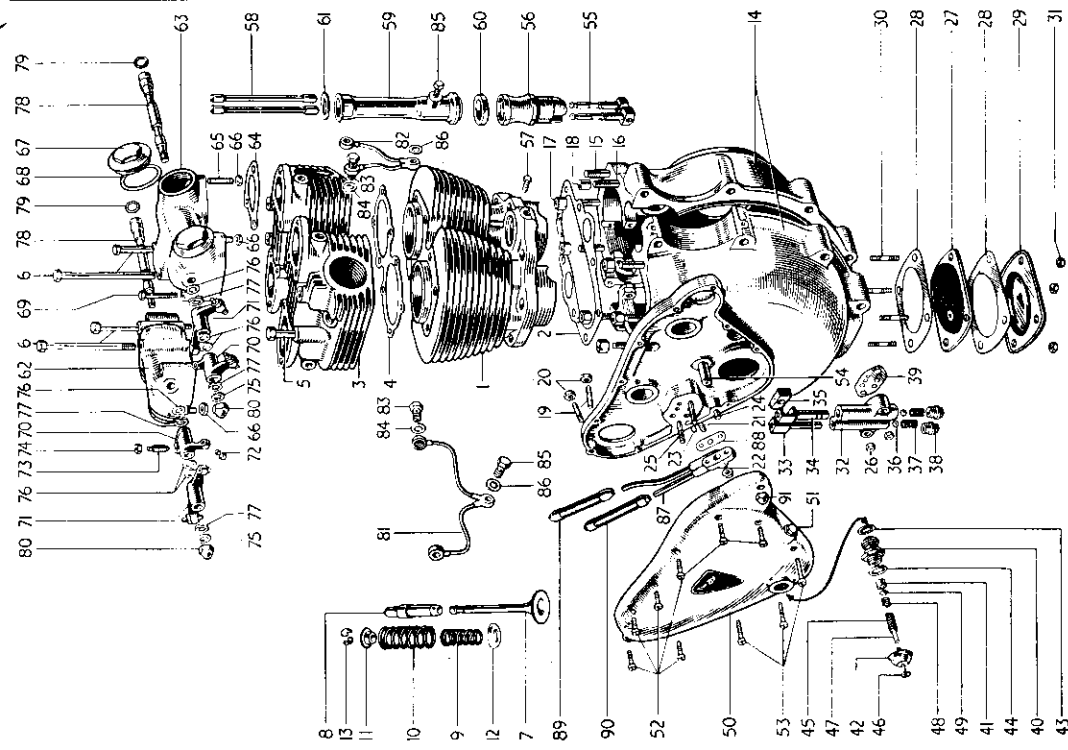
Illust. No.	Part No.	Page No.	Ref. No.
1	E2891 (7:1)	20	30
2	E2897	21	20
3	E3049	21	28
4	E2898	21	36
5	WE203E	21	40
6	WE479	21	41
7	E3306	32	5
8	E3299	32	8
9	E3330	32	11
10	E3328	32	17
11	E1511	32	19
12	E2490A	32	20
13	E2922	32	21
14	E1591	33	15
15	E1591	33	14

Illust. No.	Part No.	Page No.	Ref. No.
18	E3300	33	23
19	E1479	33	19
20	E1516	33	20
21	E2260	33	21
22	E1472	34	28
23	E1580	34	29
24	E398	34	30
25	E3275	34	31
26	E1486A	34	33
27	E1558	34	34
28	E1492	34	35
29	E1463	34	36
30	E1471	34	37
31	E400	34	38
32	E3123	34	40

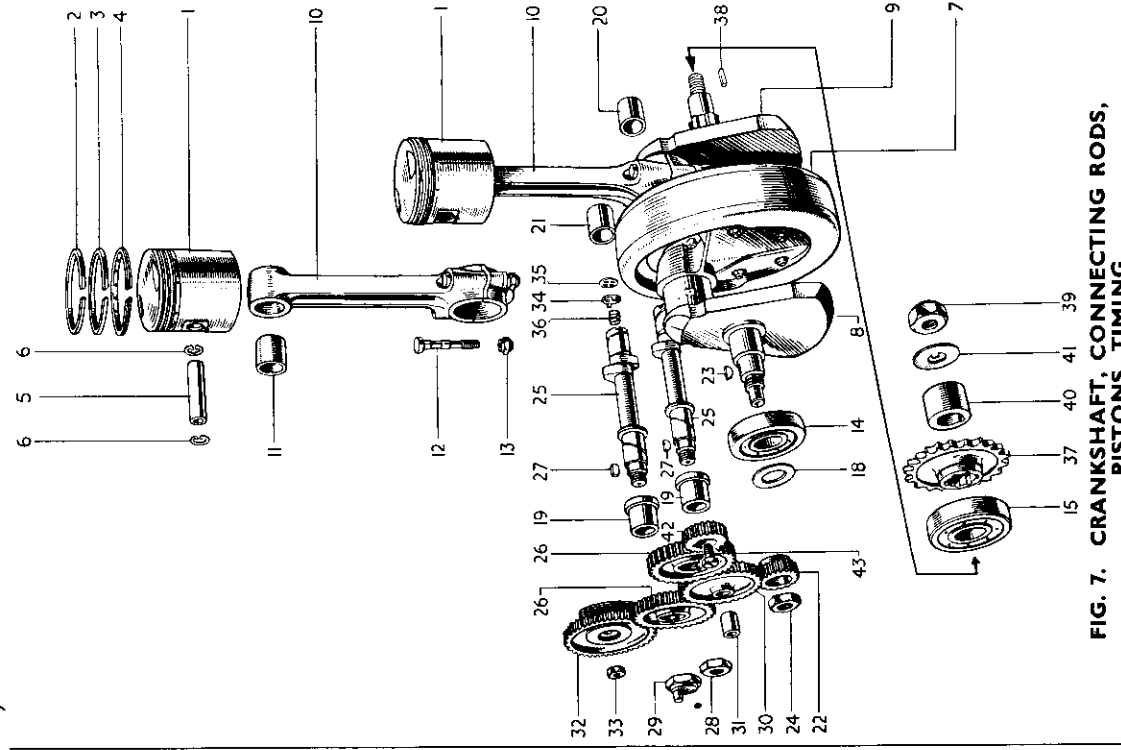
Illust. No.	Part No.	Page No.	Ref. No.
63	E1496	35	17
64	E1497	35	18
65	E1461T	35	19
66	E1462T	35	20
67	E1650	35	21
68	E1540	35	22
69	F879	35	24
70	E1564	35	26
71	E1577	35	27
72	E1545	35	28
73	E1457	35	31
74	E1458	35	32
75	E1483	35	33
76	E1513	35	34
77	E470	35	35
78	E1330	35	36
79	E1575	35	37
80	E1574	36	1
81	E1512	36	2
82	E3136	36	3
83	E1435	36	4
84	GS272	36	8
85	GS273	36	9
86	E1601	36	10
87	E1335	36	12
88	E984	36	13
89	F1880	36	14
90	SI-52	49	24
91	E1526	86	30
92	E1529	86	35
93	MFI19	86	38

\*Sold as complete unit with stator.

**TROPHY (TR5) ENGINE**



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



**FIG. 7. CRANKSHAFT, CONNECTING RODS, PISTONS, TIMING**

**GROUP 2 - ENGINE**

**ENGINE - GROUP 2**

**FIG. 6 INDEX**

Illust. No.	Part No.	Page No.	Ref. No.	Illust. No.	Part No.	Page No.	Ref. No.	Illust. No.	Part No.	Page No.	Ref. No.
1	E2958	18	3	30	E1540	33	10	61	E1497	35	18
2	E2249	18	5	31	F879	33	12	62	E1461T	35	19
3	E3021	18	9	32	GS35	33	31	63	E1462T	35	20
4	E3003	18	15	33	GS153	33	32	64	E1650	35	21
5	E2873	18	20	34	E1476	33	33	65	E2980	35	23
6	E2874	18	21	35	E495	33	33	66	F879	35	24
7	E2969	20	15	36	S70-7	33	35	67	E1564	35	26
8	E1956	20	17	37	E403	33	36	68	E1577	35	27
9	E2899	20	19	38	E2360	33	37	69	E2982	35	29
10	E2900	20	20	39	E1537	33	38	70	E1457	35	31
11	E1488	20	21	40	E2794	34	2	71	E1458	35	32
12	E1543	20	22	41	GS251	34	3	72	E1483	35	33
13	E1544	20	23	42	E2790	34	4	73	E1513	35	34
14	WE259A	20	24	43	E1670	34	5	74	E470	35	35
15	E2200A:3281	20	25	44	GS254	34	6	75	E1330	35	36
16	E672	32	26	45	E2788	34	7	76	E1575	35	37
17	E1614	32	27	46	E2791	34	8	77	E1574	36	36
18	E2412	32	30	47	E2793	34	9	78	E1512	36	33
19	E1534A	32	32	48	E2789	34	10	79	E3136	36	36
20	E2022	32	35	49	E2792	34	11	80	E1435	36	4
21	F1008	32	36	50	E2218:TR5	34	14	81	GS272	36	8
22	E1539	32	39	51	E2615	34	24	82	GS273	36	9
23	E1532	32	42	52	E427	34	26	83	E2767	36	11
24	E1535	32	43	53	E1049	34	27	84	E1335	36	12
25	E1536	33	43	54	E375	34	39	85	E984	36	13
26	F879	33	2	55	E3059	35	6	86	F1880	36	14
27	E529	33	7	56	E2803	35	8	87	E2799	86	31
28	E487	33	8	57	H200	35	10	88	E1529	86	35
29	E486	33	9	58	E2620	35	13	89	MFI19	86	38
				59	E2804	35	15	90	MFI19A	86	39
				60	E2425	35	16	91	E2228	112	24

**FIG. 7 INDEX**

Illust. No.	Part No.	Page No.	Ref. No.	Illust. No.	Part No.	Page No.	Ref. No.	Illust. No.	Part No.	Page No.	Ref. No.
1	E1969 (6:1)	20	34	14	E1591	33	14	30	E1471	34	37
2	E3052 (5:1)	20	37	15	E1591	33	15	31	E400	34	38
3	E3048	21	9	18	E3300	33	19	32	E2741	34	44
4	GE29	21	16	19	E1479	33	23	33	170104	34	45
5	WE203E	21	32	20	E1516	33	20	34	E2254	35	1
6	WE479	21	40	21	E2260	33	21	35	GS87	35	2
7	E3306	21	41	22	E1472	34	28	36	E2256	35	3
8	E3306	32	5	23	E1580	34	29	37	E3108:21	36	19
9	E3329	32	7	24	E398	34	30	38	E3115	36	25
10	E3328	32	10	25	E3275	34	31	39	E3120	36	27
11	E1511	32	17	26	E1486A	34	33	40	E3384	36	28
12	E2490A	32	19	27	E1558	34	34	41	E3119	36	30
13	E2922	32	20	28	E1492	34	35	42	E2451	112	21
			21	29	E1463	34	36	43	111700	112	22

GROUP 2 - ENGINE

TIGER 100 (T100) ENGINE

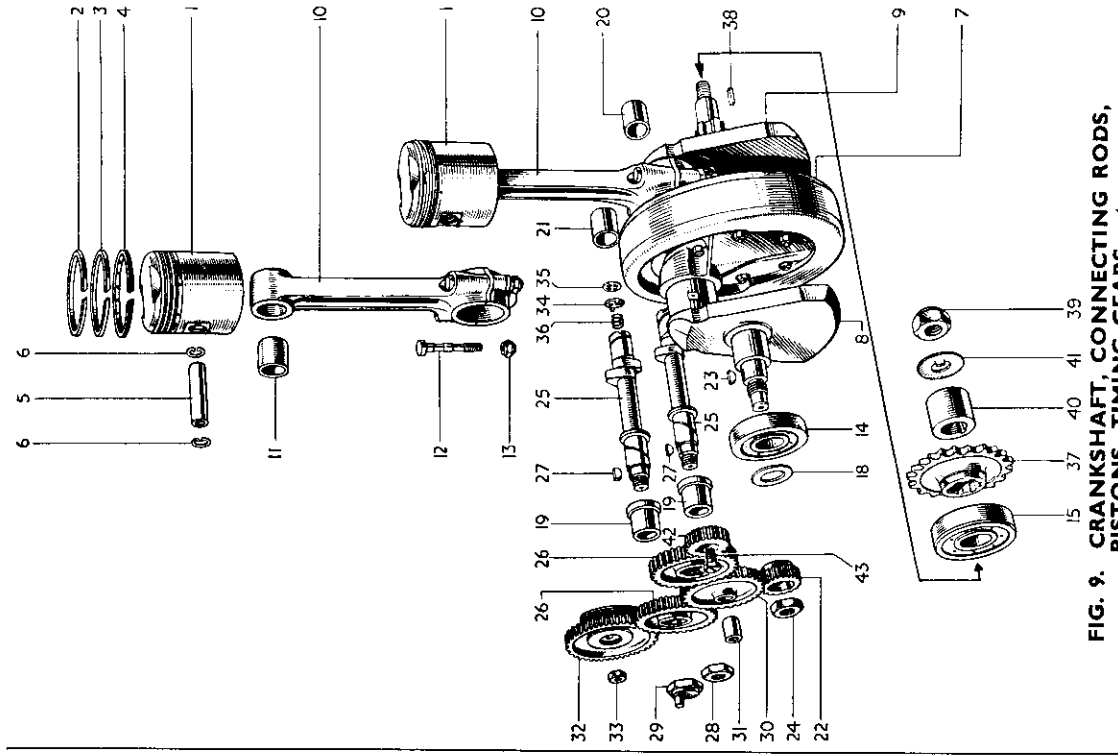


FIG. 9. CRANKSHAFT, CONNECTING RODS, PISTONS, TIMING GEARS, etc.

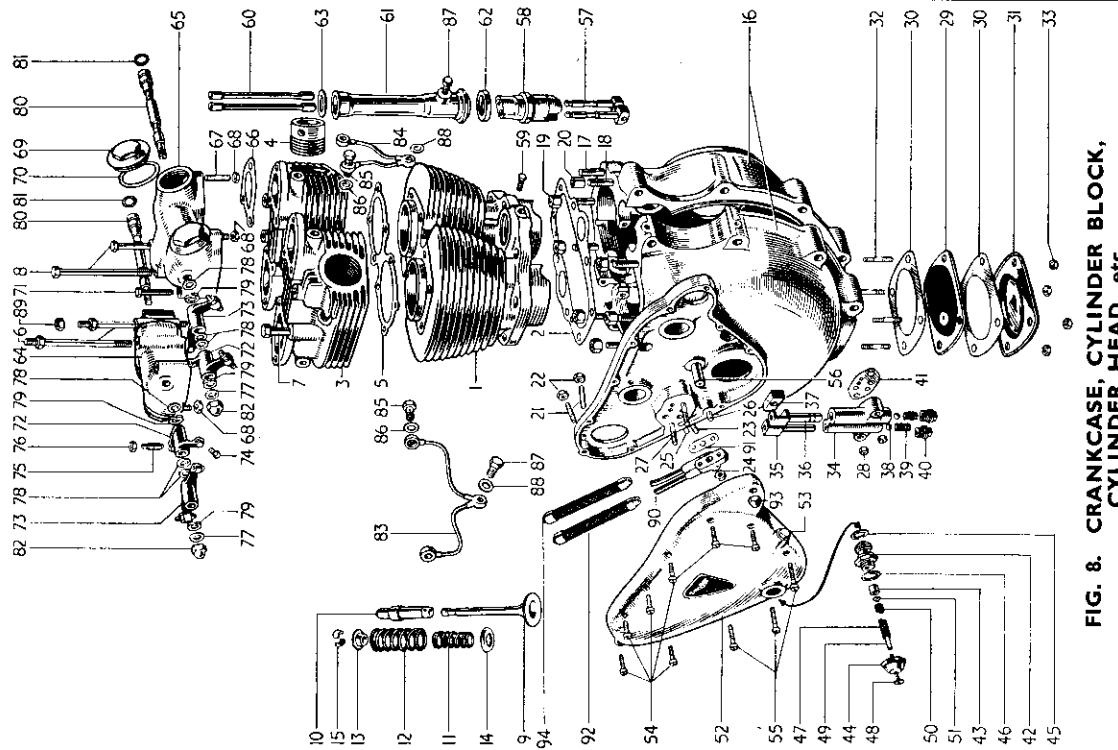


FIG. 8. CRANKCASE, CYLINDER BLOCK, CYLINDER HEAD, etc.

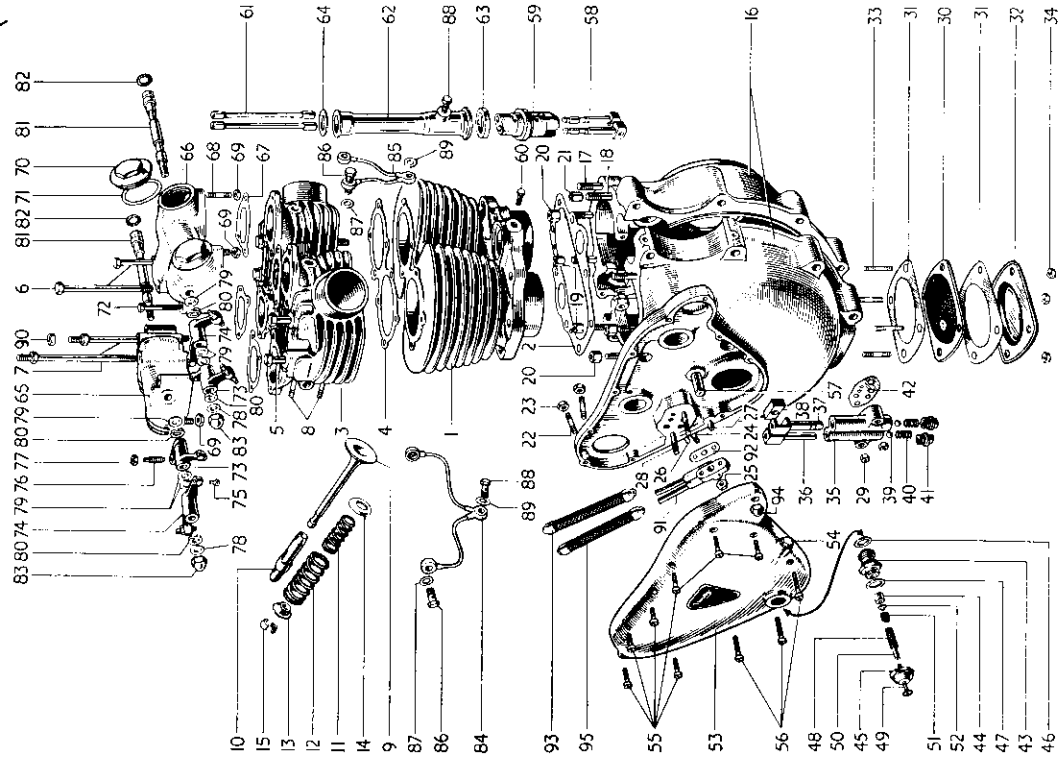
FIG. 8 INDEX

Illust. No.	Part No.	Page No.	Ref. No.	Illust. No.	Part No.	Page No.	Ref. No.	Illust. No.	Part No.	Page No.	Ref. No.
1	E2958	18	3	31	E486	33	9	63	E1497	35	18
2	E2249	18	5	32	E1540	33	10	64	E1461T	35	19
3	E3005	18	10	33	F879	33	12	65	E1462T	35	20
4	E2961	18	12	34	GS35	33	31	66	E1650	35	21
5	E3003	18	15	35	GS153	33	32	67	E2980	35	23
6	E1596A	18	19	36	E1476	33	33	68	F879	35	24
7	E2873	18	20	37	E495	33	34	69	E1564	35	26
8	E2874	18	21	38	S70-7	33	35	70	E1577	35	27
9	E2969	20	15	39	E403	33	36	71	E2982	35	29
10	E1956	20	17	40	E2360	33	37	72	E1457	35	31
11	E2899	20	19	41	E1537	33	38	73	E1458	35	32
12	E1488	20	20	42	E2794	34	2	74	E1483	35	33
13	E1487	20	21	43	GS251	34	3	75	E1513	35	34
14	E1543	20	22	44	E2790	34	4	76	E470	35	35
15	E1544	20	23	45	E1670	34	4	77	E1330	35	36
16	VVE259A	20	24	46	GS254	34	5	78	E1575	35	37
17	E2200A, 3281	32	25	47	E2788	34	7	79	E1574	36	37
18	E1614	32	26	48	E2791	34	8	80	E1512	36	2
19	E2412	32	26	49	E2793	34	8	81	E3136	36	3
20	E1534A	32	30	50	E2789	34	10	82	E1435	36	4
21	E2022	32	32	51	E2218, T100	34	11	83	GS272	36	8
22	F1008	32	35	52	E2615	34	15	84	GS273	36	9
23	E1539	32	36	53	E427	34	24	85	E2767	36	11
24	SI-51	32	39	54	E1049	34	26	86	E1335	36	12
25	E1532	32	40	55	E375	34	27	87	E984	36	13
26	E1535	32	42	56	E1049	34	27	88	F1880	36	14
27	E1536	32	43	57	E3059	35	6	89	SI-52	49	24
28	F879	33	43	58	GS36	35	9	90	E3355	86	34
29	E529	33	1	59	H200	35	10	91	E1529	86	34
30	E487	33	2	60	E2620	35	13	92	E3353	86	32
			7	61	E1505	35	14	93	E2228	112	24
			8	62	E1496	35	17	94	E3354	86	33

FIG. 9 INDEX

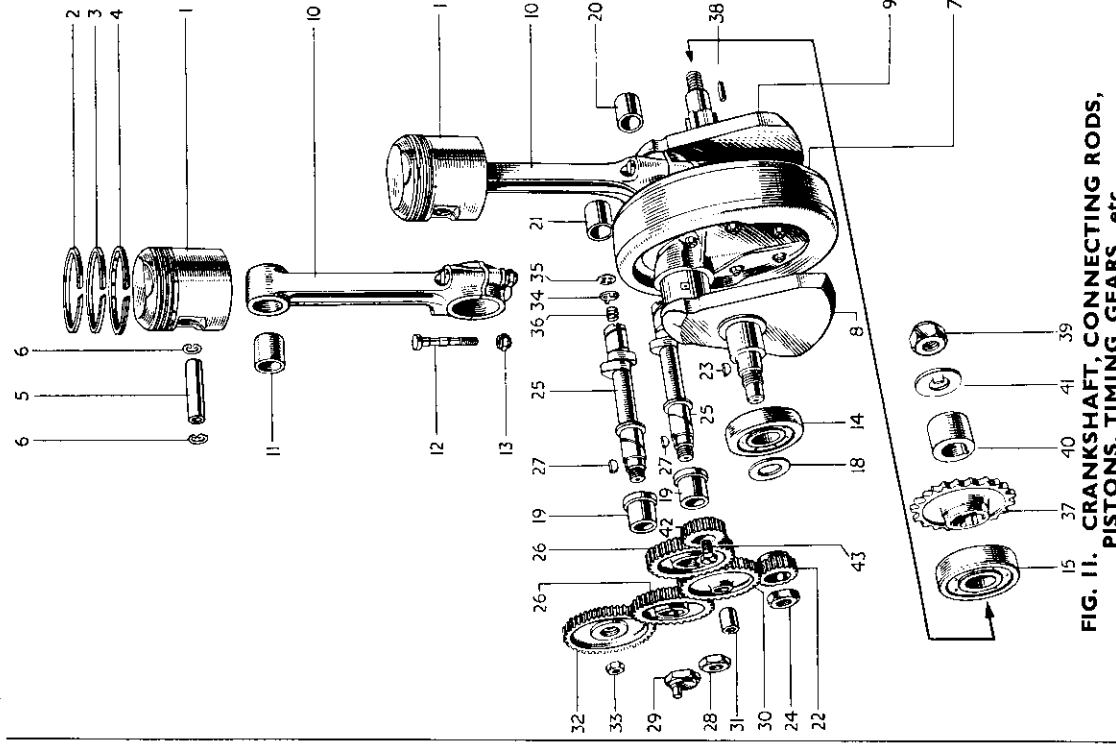
Illust. No.	Part No.	Page No.	Ref. No.	Illust. No.	Part No.	Page No.	Ref. No.	Illust. No.	Part No.	Page No.	Ref. No.
1	E1908 (7.6:1)	20	40	14	E1591	33	14	30	E1471	34	37
2	E3098 (8:1)	20	43	15	E1591	33	15	31	E400	34	38
3	E3380	21	13	18	E3300	33	23	32	E2741	34	44
4	E656	21	9	19	E1479	33	19	33	I70104	34	45
5	GE29	21	32	20	E1516	33	20	34	E2254	35	1
6	WE203E	21	40	21	E2260	33	21	35	GS87	35	2
7	WE479	21	41	22	E1472	34	28	36	E2256	35	3
8	E3306	32	5	23	E1472	34	29	37	E3108, 22	36	16
9	E3298	32	7	24	E1580	34	30	38	E3115	36	25
10	E3329	32	10	25	E398	34	31	39	E3120	36	27
11	E3328T	32	18	26	E3275	34	33	40	E3384	36	28
12	E1511	32	19	27	E1486	34	34	41	E3119	36	30
13	E2490A	32	20	28	E1558	34	34	42	E2451	112	21
	E2922	32	21	29	E1463	34	36	43	I11700	112	22

**TIGER 110 (T110) ENGINE**



**FIG. 10. CRANKCASE, CYLINDER BLOCK, CYLINDER HEAD, etc.**

**GROUP 2 - ENGINE**



**FIG. 11. CRANKSHAFT, CONNECTING RODS, PISTONS, TIMING GEARS, etc.**

**FIG. 10 INDEX**

Illust. No.	Part No.	Page No.	Ref. No.
1	E3332	18	4
2	E2894	18	6
3	E3333	18	11
4	E2905	18	14
5	E327	18	16
6	E1484	18	17
7	E1596	18	18
8	E2920	20	2
9	E3310	20	16
10	E2904	20	18
11	E2899	20	19
12	E2900	20	20
13	E1488	20	21
14	E1543	20	22
15	E1544	20	23
16	WE259A	20	24
17	E2892 3282	32	25
18	E672	32	26
19	E1614	32	27
20	W76	32	28
21	PO172A	32	29
22	E1534A	32	32
23	E2022	32	35
24	F1008	32	36
25	E1539	32	39
26	SI-51	32	40
27	E1535	32	42
28	E1536	33	43
29	F879	33	1
30	E529	33	2
31	E487	33	7

Illust. No.	Part No.	Page No.	Ref. No.
32	E486	33	9
33	E1540	33	10
34	F879	33	12
35	GS35	33	31
36	GS153	33	32
37	E1476	33	33
38	E495	33	34
39	S70-7	33	35
40	E403	33	36
41	E2360	33	37
42	E1537	33	38
43	E2794	34	2
44	GS251	34	3
45	E2790	34	4
46	E1670	34	5
47	GS254	34	6
48	E2788	34	7
49	E2791	34	8
50	E2793	34	9
51	E2789	34	10
52	E2792	34	11
53	E2218: T110	34	16
54	E2615	34	24
55	E427	34	26
56	E1049	34	27
57	E375	34	39
58	E3059	35	6
59	E1477	35	7
60	H200	35	10
61	E1693	35	12
62	E1505	35	14
63	E1496	35	17
64	E1497	35	18

**FIG. 11 INDEX**

Illust. No.	Part No.	Page No.	Ref. No.
1	E3000 (8.5:1)	21	1
2	E3381	21	24
3	E2897	21	20
4	E2898	21	36
5	WE203E	21	40
6	WE479	21	41
7	E3306	32	5
8	E3299	32	8
9	E3330	32	11
10	E3328T	32	18
11	E1511	32	19
12	E2490A	32	20
13	E922	32	21
14	E1591	33	14

Illust. No.	Part No.	Page No.	Ref. No.
15	E1591	33	15
18	E3300	33	23
19	E1479	33	19
20	E1516	33	20
21	E2260	33	21
22	E1472	34	28
23	E1580	34	29
24	E398	34	30
25	E3325	34	32
26	E1486A	34	33
27	E1558	34	34
28	E1492	34	34
29	E1463	34	34
30	E1471	34	34

Illust. No.	Part No.	Page No.	Ref. No.
31	E400	34	38
32	E2741	34	44
33	170104	34	45
34	E2254	35	1
35	GS87	35	2
36	E2256	35	3
37	E3108/24	36	18
38	E3115	36	25
39	E3120	36	27
40	E3384	36	28
41	E3119	36	30
42	E2451	112	21
43	111700	112	22



REF. No.	PART No.	DESCRIPTION	5T	6T	TR5	T100	T110
<b>CRANKSHAFT AND FLYWHEEL ASSEMBLY</b>							
1	E3137	Crankshaft and flywheel assembly	1	—	—	—	—
2	E3294	Crankshaft and flywheel assembly	—	—	1	1	—
3	E3295	Crankshaft and flywheel assembly	—	1	—	—	1
4	E2918	Flywheel	1	—	—	—	—
5	E3306	Flywheel	—	1	1	1	1
6	E2915	Crankshaft, timing side c/w stud	1	—	—	—	—
7	E3430	Crankshaft, timing side c/w stud	—	—	1	1	—
8	E3431	Crankshaft, timing side c/w stud	—	1	—	—	1
8a	E3432	Plug, T/S crankshaft	—	1	1	1	1
9	E3112	Crankshaft, driving side c/w stud	1	—	—	—	—
10	E3329	Crankshaft, driving side c/w stud	—	—	1	1	—
11	E3330	Crankshaft, driving side c/w stud	—	1	—	—	1
12	E3114	Stud, driving side, crankshaft	1	1	1	1	1
13	E393	Plug, crankshaft	1	—	—	—	—
14	E1562	Bolt, crankshaft to flywheel	6	6	6	6	6
15	W103	Nut, crankshaft to flywheel bolt	6	6	6	6	6
<b>CONNECTING RODS</b>							
16	E2921	Rod, connecting	2	—	—	—	—
17	E3328	Rod, connecting	—	2	2	—	—
18	E3328T	Rod, connecting	—	—	—	2	2
19	E1511	Bush, connecting rod small end	2	2	2	2	2
20	E2490A	Bolt, connecting rod to cap	4	4	4	4	4
21	E2922	Nut, connecting rod to cap bolt	4	4	4	4	4
<b>CRANKCASE</b>							
22	E2220A/3109	Crankcase assembly less main bearings	1	—	—	—	—
23	E2220A/3281	Crankcase assembly less main bearings	—	—	1	1	—
24	E2892/3314	Crankcase assembly less main bearings	—	1	—	—	—
25	E2892/3282	Crankcase assembly less main bearings	—	—	—	—	1
26	E672	Stud, crankcase cylinder base	6	6	6	6	6
27	E1614	Stud, crankcase cylinder base (Dowel)	2	2	2	2	2
28	W76	Nut, crankcase cylinder base stud	4	4	—	—	4
29	PO172A	Nut, crankcase cylinder base stud	4	4	—	—	4
30	E2412	Nut, crankcase cylinder base stud	—	—	8	8	—
31	GS308	Washer, crankcase cylinder base stud	—	—	8	8	—
32	E1534A	Dowel, crankcase cylinder base stud (E1614)	2	2	2	2	2
33	E1579	Dowel, crankcase halves	1	1	1	1	1
34	E1534A	Dowel, crankcase halves hollow	1	1	1	1	1
35	E2022	Stud, magneto/distributor to crankcase	3	3	3	3	3
36	F1008	Nut, magneto to crankcase stud	—	—	3	3	3
37	S25-3	Washer, magneto to crankcase stud	—	—	3	3	3
38	SI-51	Nut, distributor to crankcase stud	3	3	—	—	—
39	E1539	Stud, oil junction block	1	1	1	1	1
40	SI-51	Nut, oil junction block stud	1	1	1	1	1
41	S23-3	Washer, oil junction block stud	1	1	1	1	1
42	E1532	Dowel, oil junction block	1	1	1	1	1
43	E1535	Dowel, crankcase to timing cover	1	1	1	1	1

REF. No.	PART No.	DESCRIPTION	5T	6T	TR5	T100	T110
1	E1536	Stud, oil pump fixing	2	2	2	2	2
2	F879	Nut, oil pump fixing stud	2	2	2	2	2
3	E2312	Washer, oil pump fixing stud	2	2	2	2	2
4	E1508	Pipe, crankcase oil return	1	1	1	1	1
5	E1509	Clip, crankcase oil return pipe	1	1	1	1	1
6	E1645	Screw, crankcase oil return pipe	1	1	1	1	1
<b>CRANKCASE OIL FILTER</b>							
7	E529	Filter, crankcase oil	1	1	1	1	1
8	E487	Washer, crankcase oil filter joint	2	2	2	2	2
9	E486	Cover, crankcase oil filter joint	1	1	1	1	1
10	E1540	Stud, crankcase oil filter joint	4	4	4	4	4
11	E1612	Washer, crankcase oil filter stud locking	4	4	4	4	4
12	F879	Nut, crankcase oil filter	4	4	4	4	4
<b>CRANKCASE BEARINGS</b>							
13	E2877	Bearing, crankcase timing side (roller)	1	—	—	—	—
14	E1591	Bearing, crankcase timing side (ball)	—	1	1	1	1
15	E1591	Bearing, crankcase driving side (ball)	1	1	1	1	1
16	E2883	Chip shield, timing side bearing	1	—	—	—	—
17	E2296	Disc, timing side bearing	1	—	—	—	—
18	E489	Ring, timing side bearing retaining	1	—	—	—	—
19	E1479	Bush, timing side camshaft	2	2	2	2	2
20	E1516	Bush, driving side camshaft (exhaust)	1	1	1	1	1
21	E2260	Bush, driving side camshaft (breather)	1	1	1	1	1
22	E2311	Pin, timing side camshaft (breather)	1	1	1	1	1
23	E3300	Clamping Washer, T/S bearing	—	1	1	1	1
<b>STUDS AND BOLTS FOR CRANKCASE HALVES</b>							
24	E1555	Bolt, crankcase top rear	1	1	1	1	1
25	S25-3	Washer, crankcase top rear bolt	1	1	1	1	1
26	T456	Stud, crankcase bottom front	1	1	1	1	1
27	SI-51	Nut, crankcase bottom front stud	2	2	2	2	2
28	S25-3	Washer, crankcase bottom front stud	2	2	2	2	2
29	E1647	Screw, crankcase inside boss	2	2	2	2	2
<i>FOR ENGINE PLATE STUDS SEE PAGE 58.</i>							
<b>OIL PUMP</b>							
30	E3072	Pump, assembly, oil	1	1	1	1	1
31	GS35	Body, oil pump	1	1	1	1	1
32	GS153	Plunger, oil pump feed	1	1	1	1	1
33	E1476	Plunger, oil pump scavenge	1	1	1	1	1
34	E495	Block, oil pump slider	1	1	1	1	1
35	S70-7	Ball, oil pump valve	2	2	2	2	2
36	E403	Spring, oil pump valve	2	2	2	2	2
37	E2360	Plug, oil pump body	2	2	2	2	2
38	E1537	Washer, oil pump joint	1	1	1	1	1

REF. No.	PART No.	DESCRIPTION	5T	6T	TR5	T100	T110
<b>OIL RELEASE VALVE</b>							
1	E2795	Valve, release and oil indicator	1	1	1	1	1
2	E2794	Body, release valve	1	1	1	1	1
3	GS251	Piston, release valve	1	1	1	1	1
4	E2790	Cap, release valve	1	1	1	1	1
5	E1670	Washer, release valve body	1	1	1	1	1
6	GS254	Washer, release valve cap	1	1	1	1	1
7	E2788	Spring, release valve main	1	1	1	1	1
8	E2791	Shaft, indicator button	1	1	1	1	1
9	E2793	Tube, indicator rubber	1	1	1	1	1
10	E2789	Spring, indicator auxiliary	1	1	1	1	1
11	E2792	Nut, indicator shaft	1	1	1	1	1
<b>TIMING COVER</b>							
12	E3110/5T	Cover, timing gear	1	—	—	—	—
13	E3110/6T	Cover, timing gear	—	1	—	—	—
14	E2218/TR5	Cover, timing gear	—	—	1	—	—
15	E2218/T100	Cover, timing gear	—	—	—	1	—
16	E2218/T110	Cover, timing gear	—	—	—	—	1
17	E1595	Patent plate	1	—	—	—	—
18	E2909	Patent plate	—	1	—	—	—
19	E2876	Patent plate	—	—	1	—	—
20	E1678	Patent plate	—	—	—	1	—
21	E2910	Patent plate	—	—	—	—	1
22	D208-5	Rivet, patent plate	3	3	3	3	3
23	E378	Bush, timing gear cover	1	1	1	1	1
24	E2615	Plug, timing gear cover	1	1	1	1	1
25	E1335	Washer, timing gear cover plug	1	1	1	1	1
26	E427	Screw, timing gear cover (short)	7	7	7	7	7
27	E1049	Screw, timing gear cover (long)	3	3	3	3	3
<b>TIMING GEARS AND CAMSHAFTS</b>							
28	E1472	Pinion, timing	1	1	1	1	1
29	E1580	Key, timing pinion	1	1	1	1	1
30	E398	Nut, timing pinion	1	1	1	1	1
31	E3275	Camshaft, inlet and exhaust	2	2	2	2	—
32	E3325	Camshaft, inlet and exhaust	—	—	—	—	2
33	E1486A	Wheel, inlet and exhaust camshaft	2	2	2	2	2
34	E1558	Key, camshaft wheel	2	2	2	2	2
35	E1492	Nut, camshaft wheel exhaust	1	1	1	1	1
36	E1463	Nut, camshaft wheel inlet (pump drive)	1	1	1	1	1
37	E1471	Wheel, intermediate gear	1	1	1	1	1
38	E400	Bush, intermediate gear wheel	1	1	1	1	1
39	E375	Spindle, intermediate gear wheel	1	1	1	1	1
40	E3123	Pinion, distributor	1	1	—	—	—
41	E3125	Pin, distributor pinion	1	1	—	—	—
42	E3126	Circlip, distributor pinion	1	1	—	—	—
43	I46460	Washer, distributor pinion (brass)	1	1	—	—	—
44	E2741	Gear, Magneto (fixed)	—	—	1	1	1
45	I70104	Nut, Magneto gear $\frac{3}{8}$ " std.	—	—	1	1	1
46	E1330	Washer, Magneto gear $\frac{3}{8}$ " std.	—	—	1	1	1

REF. No.	PART No.	DESCRIPTION	5T	6T	TR5	T100	T110
<b>CRANKCASE BREATHER</b>							
1	E2254	Valve, crankcase rotary	1	1	1	1	1
2	GS87	Disc, crankcase rotary valve	1	1	1	1	1
3	E2256	Spring, crankcase rotary valve	1	1	1	1	1
4	E2724	Pipe, crankcase breather	1	1	1	1	1
5	E3078	Extension, crankcase breather pipe (rubber)	1	1	1	1	1
<b>TAPPETS AND TAPPET BLOCKS</b>							
6	E3059	Tappet	4	4	4	4	4
7	E1477	Block, tappet guide	2	2	—	—	2
8	E2803	Block, tappet guide	—	—	2	—	—
9	GS36	Block, tappet guide	—	—	—	2	—
10	H200	Screw, tappet guide block lock	2	2	2	2	2
11	E2312	Washer, tappet guide block lock	2	2	2	2	2
<b>PUSH RODS</b>							
12	E1693	Rod, push	4	4	—	—	4
13	E2620	Rod, push	—	—	4	4	—
<b>PUSH ROD COVER TUBE</b>							
14	E1505	Tube, push rod cover	2	2	—	2	2
15	E2804	Tube, push rod cover	—	—	2	—	—
16	E2425	Washer, push rod cover lower seal	—	—	2	—	—
17	E1496	Washer, push rod cover lower seal	2	2	—	2	2
18	E1497	Washer, push rod cover upper seal	2	2	2	2	2
<b>OVERHEAD ROCKER GEAR</b>							
19	E1461T	Box, inlet rocker	1	1	1	1	1
20	E1462T	Box, exhaust rocker	1	1	1	1	1
21	E1650	Gasket, rocker box joint	4	4	4	4	4
22	E1540	Stud, rocker box to cylinder head	4	4	—	—	4
23	E2980	Stud, rocker box to cylinder head	—	—	4	4	—
24	F879	Nut, rocker box to cylinder head	4	4	4	4	4
25	E3302	Washer, rocker box to cylinder head nut	—	—	4	4	—
26	E1564	Cap, rocker box inspection	4	4	4	4	4
27	E1577	Washer, rocker box inspection cap	4	4	4	4	4
28	E1545	Bolt, rocker box to cylinder head	4	4	—	—	4
29	E2982	Bolt, rocker box to cylinder head	—	—	4	4	—
30	S25-13	Washer, rocker box to cylinder head	4	4	4	4	4
31	E1457	Rocker, valve R.H.	2	2	2	2	2
32	E1458	Rocker, valve L.H.	2	2	2	2	2
33	E1483	Ball pin, valve rocker	4	4	4	4	4
34	E1513	Adjusting pin, valve rocker	4	4	4	4	4
35	E470	Locknut, adjusting pin	4	4	4	4	4
36	E1330	Washer, valve rocker thrust $\frac{3}{8}$ "	2	2	2	2	2
37	E1575	Washer, valve rocker thrust $\frac{1}{2}$ "	6	6	6	6	6

**GROUP 2 — ENGINE  
GROUP 3 — GASKET SET**

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

**ROCKER OIL FEED AND DRAIN PIPES**

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

**ENGINE SPROCKET**

15	E3108/19	Sprocket, engine 19T sidecar ... ..	1	—	—	1	—
16	E3108/22	Sprocket, engine 22T solo ... ..	1	—	—	1	—
17	E3108/21	Sprocket, engine 21T sidecar ... ..	—	1	—	—	1
18	E3108/24	Sprocket, engine 24T solo ... ..	—	1	—	—	1
19	E3108/21	Sprocket, engine 21T solo ... ..	—	—	1	—	—
20	E3108/17	Sprocket, engine 17T ... ..	} As required				
21	E3108/18	Sprocket, engine 18T ... ..					
22	E3108/20	Sprocket, engine 20T ... ..					
23	E3108/23	Sprocket, engine 23T ... ..					
24	E3108/25	Sprocket, engine 25T ... ..					
25	E3115	Key, Rotor ... ..	1	1	1	1	1
26	E3117	Nut, sprocket and rotor ... ..	1	1	—	—	—
27	E3120	Nut, engine sprocket ... ..	—	—	1	1	1
28	E3384	Distance Piece, D/S crankshaft... ..	—	—	1	1	1
29	E3116	Clamping washer, sprocket and rotor ... ..	1	1	—	—	—
30	E3119	Tab washer, engine sprocket nut ... ..	—	—	1	1	1

For 5T and 6T Alternator and locking washer see Page 118.

**GASKET SET—GROUP 3**

31	GS/5T/54	Gasket set ... ..	1	—	—	—	—
32	GS/6T/54	Gasket set ... ..	—	1	—	—	—
33	GS/TR5/54	Gasket set ... ..	—	—	1	—	—
34	GS/T100/54	Gasket set ... ..	—	—	—	1	—
35	GS/T110/54	Gasket set ... ..	—	—	—	—	1

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

1	T1208	Gearbox complete less clutch—standard ratio ... ..	1	1	—	—	—
2	T1196	Gearbox complete less clutch—standard ratio ... ..	—	—	—	1	1
3	T1211	Gearbox complete less clutch—close ratio ... ..	1	1	—	—	—
4	T1198	Gearbox complete less clutch—close ratio ... ..	—	—	—	1	1
5	T1214	Gearbox complete less clutch—wide ratio ... ..	1	1	—	—	—
6	T1200	Gearbox complete less clutch—wide ratio ... ..	—	—	—	1	1
7	T1216	Gearbox complete less clutch—wide ratio ... ..	—	—	1	—	—

**GEARBOX CASING**

8	T909	Casing, with bushes, gearbox ... ..	1	1	1	—	—
9	T1201	Casing, with bushes, gearbox ... ..	—	—	—	1	1
10	T989	Dowel, casing to inner cover ... ..	2	2	2	2	2
11	E698	Stud, casing to outer cover ... ..	2	2	2	2	2
12	SI-51	Nut, casing stud ... ..	2	2	2	2	2
13	S25-3	Washer, casing stud ... ..	2	2	2	2	2
14	T935	Cover, with bushes, gearbox outer ... ..	1	1	1	1	1
15	T452	Screw, outer cover to casing (long) ... ..	1	1	1	1	1
16	E573	Screw, outer cover to casing ... ..	1	1	1	1	1
17	E427	Screw, outer cover to inner cover ... ..	2	2	2	2	2
18	E1049	Screw, outer cover to inner cover (long) ... ..	1	1	1	1	1
19	T1217	Cover with bushes, gearbox inner ... ..	1	1	1	1	1
20	T323A	Stud, inner cover to outer cover ... ..	1	1	1	1	1
21	SI-51	Nut, inner cover to outer cover stud ... ..	1	1	1	1	1
22	S25-3	Washer, inner cover to outer cover stud ... ..	1	1	1	1	1
23	E329	Screw, inner cover to casing (long) ... ..	1	1	1	1	1
24	E427	Screw, inner cover to casing ... ..	3	3	3	3	3
25	T45	Stop, kickstarter quadrant ... ..	1	1	1	1	1
26	E1564	Cap, gearbox oil filler ... ..	1	1	1	1	1
27	E1577	Washer, gear box oil filler joint ... ..	1	1	1	1	1
28	S46-15	Plug, gearbox drain and cover level ... ..	2	2	2	2	2
29	PT104B	Washer, gearbox drain and cover level ... ..	2	2	2	2	2

**GEARBOX FITTINGS**

30	T717	Plate, gearbox mounting clamp ... ..	2	2	2	—	—
31	T456	Stud, gearbox clamp tie ... ..	2	2	2	—	—
32	SI-51	Nut, gearbox clamp tie stud ... ..	3	3	3	—	—
33	T461	Nut, gearbox clamp tie stud ... ..	1	1	1	—	—
34	S26-3	Washer, gearbox clamp tie stud ... ..	2	2	2	—	—
35	F1681	Bolt, gearbox clamp pin ... ..	1	1	1	—	—
36	S4-13	Nut, gearbox clamp pin bolt ... ..	1	1	1	—	—

GEARBOX

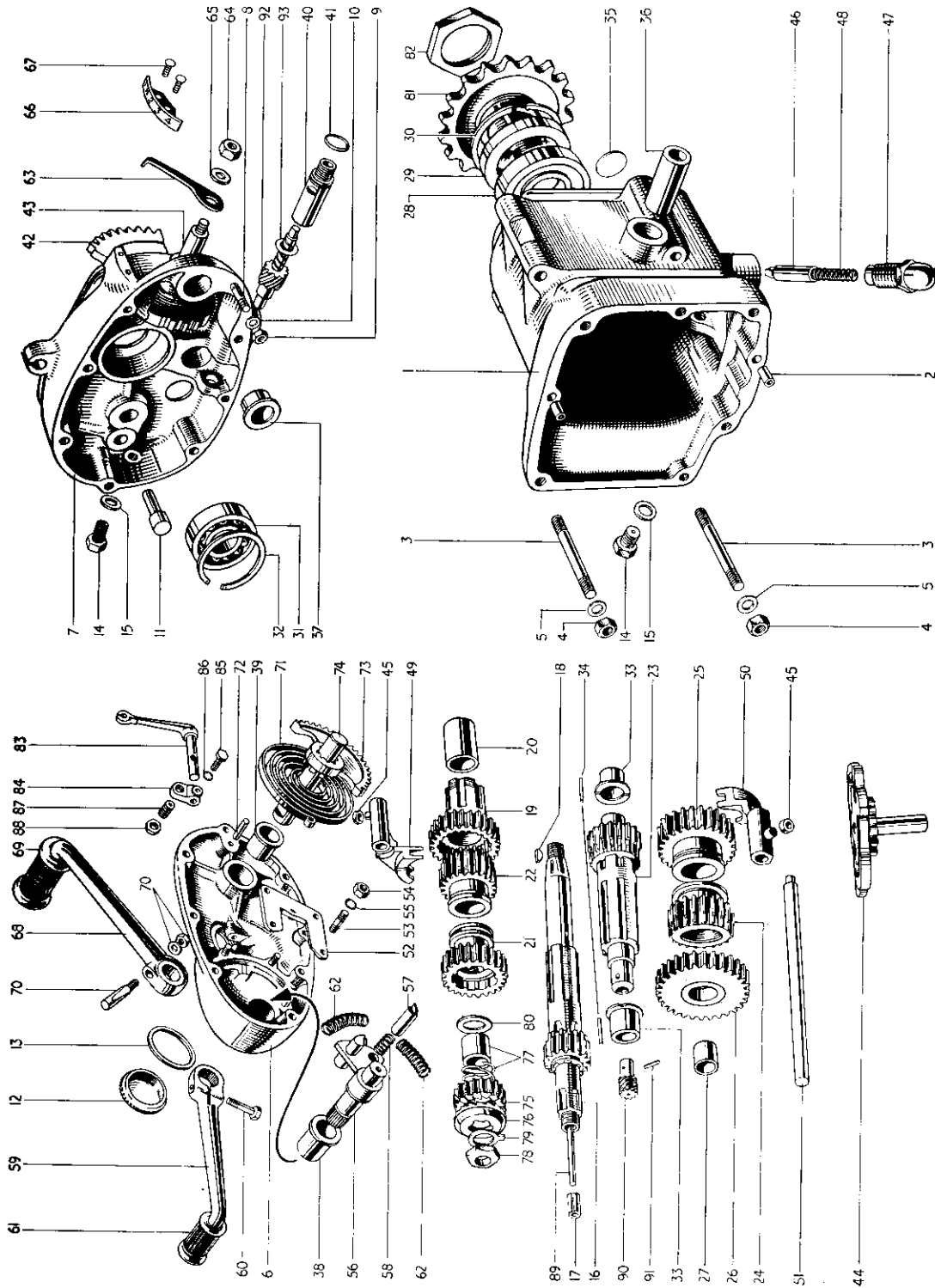


FIG. 12

FIG. 12 INDEX

Illust. No.	Part No.	Page No.	Ref. No.	Illust. No.	Part No.	Page No.	Ref. No.	Illust. No.	Part No.	Page No.	Ref. No.
1	T909	37	8	31	S35-7	40	41	65	S25-3	41	32
2	T1201	37	9	32	T280	40	42	66	T396	41	33
3	T989	37	10	33	T911	40	43	67	D208/17	41	34
4	E698	37	11	34	T912	40	44	68	T451	41	35
5	S1-51	37	12	35	T981	40	45	69	F1814	41	41
6	S25-3	37	13	36	T341	41	1	70	S52-1	42	1
7	T935	37	14	37	T412	41	2	71	T1222	42	2
8	T1217	37	19	38	T57	41	3	72	T31	42	3
9	T323A	37	20	39	T23	41	4	73	T47	42	4
10	S1-51	37	21	40	T933	41	5	74	T25A	42	5
11	S25-3	37	22	41	T948	41	6	75	T24A	42	6
12	T45	37	25	42	T397	41	7	76	T730	42	7
13	E1564	37	26	43	T399	41	8	77	T731	42	8
14	E1577	37	27	44	T500	41	9	78	T488/28	42	9
15	S46-15	37	28	45	NT261	41	10	79	NT297	42	10
16	PT1048	37	29	46	T501	41	11	80	T732	42	11
17	T914	40	19	47	T372	41	12	81	T505	42	12
18	PT108B	40	20	48	T373	41	13	82	T471A	42	13
19	S66-1	40	21	49	T260B	41	14	83	T440	42	14
20	T918	40	25	50	T913	41	15	84	T487	43	1
21	T920	40	26	51	T291	41	16	85	T402	43	3
22	T917	40	27	52	T407	41	17	86	T401	43	4
23	T916	40	28	53	T454	41	18	87	E2312	43	5
24	T968	40	29	54	F879	41	19	88	T413	43	6
25	T1063	40	30	55	E2312	41	20	89	T453	43	7
26	T971	40	31	56	T408/9	41	21	90	T455	43	8
27	T930	40	32	57	T406	41	22	91	T455B	43	9
28	T1065	40	33	58	T405	41	23	92	T924	43	13
29	T974	40	34	59	T398	41	24	93	T973	43	14
30	T926	40	35	60	T1194	41	25		T925	43	15
31	T928	40	36	61	W932	41	27		T934	43	16
32	T448	40	37	62	T449	41	28		T975	43	17
33	T946	40	38	63	T404	41	29		T825	43	18
34	E489	40	39	64	T395	41	30				
35		40	40		T224	41	31				

**GROUP 4 – GEARBOX**

**GEARBOX – GROUP 4**

REF. No.	PART No.	DESCRIPTION	5T	6T	TR5	T100	T110
1	S25-8	Washer, gearbox clamp pin bolt	1	1	1	—	—
2	F3576	Stud, gearbox clamp	—	—	—	1	1
3	E2158	Nut, gearbox clamp stud	—	—	—	2	2
4	T430	Bolt, gearbox pivot	1	1	—	—	—
5	F3108	Bolt, gearbox pivot	—	—	1	—	—
6	F3575	Bolt, gearbox pivot	—	—	—	1	1
7	DS47	Nut, gearbox pivot bolt	—	—	—	1	1
8	PO172A	Nut, gearbox pivot bolt	—	—	1	—	—
9	PCW73A	Washer, gearbox pivot bolt	—	—	—	1	1
10	S26-1	Washer, gearbox pivot bolt	1	1	1	—	—
11	T275	Adjuster assembly, primary chain	1	1	—	—	—
12	T887	Adjuster assembly, primary chain	—	—	1	—	—
13	F3572	Gearbox adjuster	—	—	—	1	1
14	SI-51	Nut, gearbox adjuster	—	—	—	2	2
15	GS203	Washer, gearbox adjuster nut	—	—	—	2	2
16	F3573	Eyebolt gearbox adjuster	—	—	—	1	1
17	PO172A	Nut, gearbox adjuster, eyebolt	—	—	—	1	1
18	S26-1	Washer, gearbox adjuster, eyebolt	—	—	—	1	1

**SHAFTS AND GEARS (STANDARD RATIO)**

(See page 44 for wide and close ratio gears)

19	T914	Mainshaft and low gear (16T)	1	1	1	1	1
20	PT108B	Bush, mainshaft for clutch rod	1	1	1	1	1
21	S66-1	Woodruff key No. 6	1	1	1	1	1
22	T1047	Nut, clutch to mainshaft	1	1	1	1	1
23	T1045	Washer, clutch to mainshaft, plain	1	1	1	1	1
24	T1046	Washer, clutch to mainshaft, lock	1	1	1	1	1
25	T918	Gear, mainshaft high (26T)	1	1	—	1	1
26	T969	Gear, mainshaft high (28T)	—	—	1	—	—
27	T920	Bush, mainshaft high gear	1	1	1	1	1
28	T917	Gear, mainshaft 3rd (24T)	1	1	1	1	1
29	T916	Gear, mainshaft 2nd (20T)	1	1	—	1	1
30	T968	Gear, mainshaft 2nd (19T)	—	—	1	—	—
31	T1063	Layshaft c/w high gear (20T) and speed gear	1	1	—	1	1
32	T971	Layshaft c/w high gear (18T) and speed gear	—	—	1	—	—
33	T930	Gear, layshaft 3rd (22T)	1	1	1	1	1
34	T1065	Gear, layshaft 2nd (26T)	1	1	—	1	1
35	T974	Gear, layshaft 2nd (27T)	—	—	1	—	—
36	T926	Gear, layshaft low (30T)	1	1	1	1	1
37	T928	Bush, layshaft low gear	1	1	1	1	1

For speedometer drive gears see page 123.

**GEARBOX SHELL BEARINGS**

38	T448	Bearing, high gear	1	1	1	1	1
39	T946	Oil seal, high gear bearing	1	1	1	1	1
40	E489	Circlip, high gear bearing retaining	1	1	1	1	1
41	S35-7	Bearing, mainshaft	1	1	1	1	1
42	T280	Circlip, mainshaft bearing	1	1	1	1	1
43	T911	Bush, layshaft casing and inner cover	2	2	2	2	2
44	T912	Peg, layshaft bush	2	2	2	2	2
45	T981	Disc, layshaft bush	1	1	1	1	1

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

**GEAR CONTROL (SELECTOR MECHANISM)**

7	T397	Quadrant, gear operating	1	1	1	1	1
8	T399	Spindle, gear operating quadrant	1	1	1	1	1
		Split pin 1½" x ¼" dia....	1	1	1	1	1
9	T500	Camplate, gear control ...	1	1	1	1	1
10	NT261	Roller, gear control camplate	2	2	2	2	2
11	T501	Plunger, gear control camplate	1	1	1	1	1
12	T372	Bush, gear control camplate plunger	1	1	1	1	1
13	T373	Spring, gear control camplate plunger	1	1	1	1	1
14	T260B	Fork, gear selector mainshaft	1	1	1	1	1
15	T913	Fork, gear selector layshaft	1	1	1	1	1
16	T291	Rod, gear selector fork	1	1	1	1	1

**GEAR CONTROL (ENCLOSED FOOTCHANGE)**

17	T407	Plate, footchange guide	1	1	1	1	1
18	T454	Stud, footchange guide plate	4	4	4	4	4
19	F879	Nut, footchange guide plate stud	4	4	4	4	4
20	E2312	Washer, footchange guide plate stud	4	4	4	4	4
21	T408;9	Plunger assembly, gear quadrant	1	1	1	1	1
22	T406	Plunger, gear quadrant	2	2	2	2	2
23	T405	Spring, gear quadrant plunger	2	2	2	2	2
24	T398	Pedal, footchange	1	1	1	—	—
25	T1194	Pedal, footchange	—	—	—	1	1
26	T997	Pedal, footchange (Heel and Toe) (Alternative equipment)	1	1	—	—	—
27	W932	Set screw, footchange pedal	1	1	1	1	1
28	T449	Rubber, footchange pedal	1	1	1	1	1
29	T404	Spring, footchange pedal return	2	2	2	2	2
30	T395	Finger, gear indicator	1	1	1	—	—
31	T224	Nut, gear indicator	1	1	1	1	1
32	S25-3	Washer, gear indicator	1	1	1	1	1
33	T396	Quadrant, gear indicator	1	1	1	—	—
34	D208-17	Pin, quadrant fixing	2	2	2	—	—

**KICKSTARTER**

35	T451	Crank, kickstarter (rigid)	1	1	—	1	1
36	*T29;30	Crank, kickstarter (folding)	—	—	1	—	—
37	T29	Lever, kickstarter (folding)	—	—	1	—	—
38	T30	Pedal, kickstarter (folding)	—	—	1	—	—
39	T111	Nut, lever to pedal	—	—	1	—	—
40	T112	Washer, lever to pedal	—	—	1	—	—
41	F1814	Rubber, kickstarter crank lever	1	1	1	1	1

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

REF. No.	PART No.	DESCRIPTION	5T	6T	TR5	T100	T110
1	S52-1	Cotter pin c/w nut and washer					
2	T1222	Cotter pin c/w nut and washer					
3	T31	Spring, k/s crank return					
4	T47	Peg, k/s anchor					
5	T25A	Quadrant, kickstarter					
6	T24A	Shaft, kickstarter axle					
7	T730	Pinion, kickstarter					
8	T731	Ratchet, kickstarter					
9	T488/28	Sleeve and spring, pinion					
10	NT297	Nut, kickstarter ratchet					
11	T732	Washer, kickstarter lock					
12	T505	Washer, kickstarter plain					

GEARBOX SPROCKET

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

CLUTCH AND SHOCK ABSORBER

15	T1033	Clutch assembly					
16	T1034	Clutch assembly					
17	T940	Housing clutch sprocket					
18	T985	Housing clutch sprocket					
19	T1035	Shock absorber assembly, clutch					
20	T1036	Shock absorber assembly, clutch					
21	T1037	Centre clutch					
22	T1038	Centre clutch					
23	T1039	Plate, inner retaining shock absorber					
24	T1040	Screw, inner retaining shock absorber	4	4	4	4	4
25	T1041	Spider, clutch shock absorber					
26	T1185	Rubber insert, clutch shock absorber (drive)	4	4	4	4	4
27	T1043	Rubber insert, clutch shock absorber (rebound)	4	4	4	4	4
28	T1044	Plate, outer retaining shock absorber					
29	T1040	Screw, outer retaining shock absorber	4	4	4	4	4
30	T418	Hub, clutch					
31	T394	Roller, clutch housing to hub	20	20	20	20	20
32	T414	Plate, clutch driving (corked)	4	5	4	5	5
33	NT288	Cork, clutch insert	96	120	96	120	120
34	T415	Plate, clutch driven (plain)	5	6	5	6	6
35	T429	Spring, clutch pressure	4	—	4	—	—
36	T999	Spring, clutch pressure	—	4	—	4	4
37	T423	Pin, clutch pressure spring	4	—	4	—	—
38	T423A	Pin, clutch pressure spring	—	4	—	4	4
39	T427	Nut, clutch pressure spring pin	4	4	4	4	4
40	T425	Cup, clutch pressure spring	4	—	4	—	—
41	T998	Cup, clutch pressure spring	—	4	—	4	4
42	T986	Plate, clutch pressure c/w button					
43	T422	Button, clutch pressure plate					

REF. No.	PART No.	DESCRIPTION	5T	6T	TR5	T100	T110
<b>CLUTCH CONTROL</b>							
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					

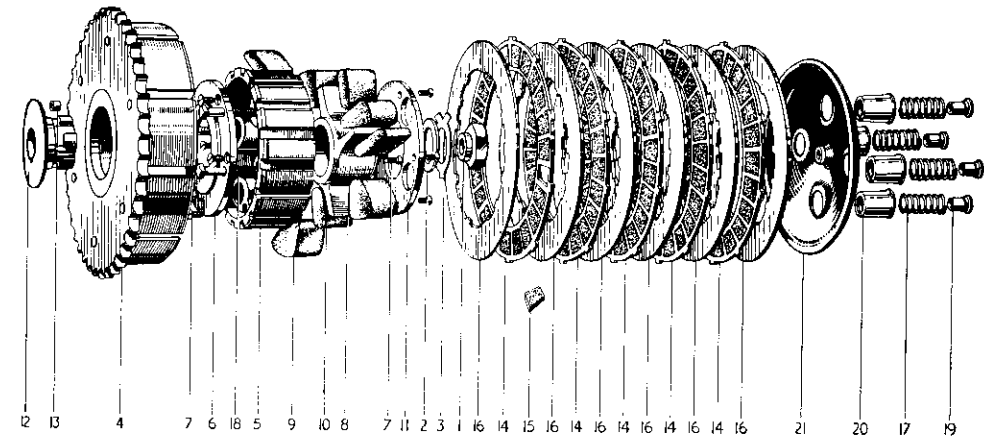


FIG. 13. CLUTCH AND SHOCK ABSORBER

FIG. 13 INDEX

Illust. No.	Part No.	Page No.	Ref. No.	Illust. No.	Part No.	Page No.	Ref. No.
1	T1047	40	22	12	T418	42	30
2	T1045	40	23	13	T394	42	31
3	T1046	40	24	14	T414	42	32
4	T940	42	17	15	NT288	42	33
	T985	42	18	16	T415	42	34
5	T1037	42	21	17	T429	42	35
	T1038	42	22		T999	42	36
6	T1039	42	23	18	T423	42	37
7	T1040	42	24		T423A	42	38
8	T1041	42	25	19	T427	42	39
9	T1185	42	26	20	T425	42	40
10	T1043	42	27		T998	42	41
11	T1044	42	28	21	T986	42	42

**GROUP 5 — WIDE RATIO GEARS**  
**GROUP 6 — STANDARD RATIO GEARS**  
**GROUP 7 — CLOSE RATIO GEARS**

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

**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.

**ENGINE REVOLUTIONS PER MINUTE**

20	1144	1188	1244	1300	1364	1428	1480	1508	1560	1624	1688	1796	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				
25	1430	1485	1555	1625	1705	1785	1850	1885	1950	2030	2110	2245	2295	2320	2435	2600	2875	3185	3445	3765	3965	4515	4650	4955	5200	5785	6125	---			
30	1716	1866	1950	2046	2142	2220	2262	2340	2435	2532	2694	2754	2784	2922	3120	3450	3822	4134	4518	4758	5418	5551	6321	6510	6937	---	---	---			
35	2002	2079	2177	2275	2387	2499	2590	2639	2730	2842	2954	3143	3248	3409	3640	4025	4459	4823	5271	5551	6321	6510	6937	---	---	---	---	---			
40	2288	2376	2488	2600	2728	2856	2960	3016	3120	3248	3376	3592	3672	3712	3896	4160	4600	5096	5512	6024	6344	---	---	---	---	---	---	---	---		
45	2574	2673	2799	2925	3069	3213	3330	3393	3510	3554	3798	4041	4131	4176	4383	4680	5175	5733	6201	6777	7137	---	---	---	---	---	---	---	---		
50	2860	2970	3110	3250	3410	3570	3700	3900	4060	4220	4490	4590	4640	4870	5200	5750	6325	7007	---	---	---	---	---	---	---	---	---	---	---	---	
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	5584	5844	6240	6900	---	---	---	---	---	---	---	---	---	---	---	---	---	
70	4004	4158	4354	4550	4774	4998	5180	5278	5460	5684	5908	6286	6426	6496	6331	6760	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
80	4576	4752	4976	5200	5456	5712	5920	6032	6240	6496	6752	7184	7344	7424	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	
90	5148	5346	5598	5850	6138	6426	6660	6786	7020	7308	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
100	5720	5940	6220	6500	6820	7140	7400	7540	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---
110	6292	6534	6842	7150	7502	7854	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

NOTE.—Engine R.P.M. are calculated in conjunction with 3.50 x 19 Rear tyre equipment—780 R.P.M.—and will deviate slightly from above figures for models not so equipped.

4.00 x 18 Rear Tyre 785 R.P.M.

3.25 x 19 Rear Tyre 793 R.P.M.

4.00 x 19 Rear Tyre 756 R.P.M.

**GEAR RATIOS**

GEARS	STANDARD RATIO			WIDE RATIO			CLOSE RATIO			
	Top	3rd	2nd	Top	3rd	2nd	Top	3rd	2nd	1st
Engine Sprocket	6.46	7.7	10.94	6.46	9.22	14.30	6.46	7.06	8.42	11.00
17	6.10	7.28	10.32	6.10	8.70	13.50	6.10	6.66	7.95	10.40
18	5.80	6.9	9.8	5.80	8.25	12.80	5.80	6.32	7.54	9.84
19	5.50	6.55	9.3	5.50	7.84	12.18	5.50	6.00	7.15	9.35
20	5.24	6.24	8.85	5.24	7.46	11.58	5.24	5.72	6.81	8.90
22	5.00	5.95	8.45	5.00	7.13	11.05	5.00	5.45	6.50	8.50
21	4.78	5.69	8.09	4.78	6.82	10.60	4.78	5.23	6.23	8.12
23	4.57	5.45	7.75	4.57	6.54	10.14	4.57	5.00	5.96	7.78
24	4.40	5.24	7.45	4.40	6.26	9.73	4.40	4.80	5.73	7.46
25	4.19	5.19	7.19	4.19	6.00	9.45	4.19	4.60	5.50	7.20
Gearbox Reduction	1.0	1.19	1.69	1.00	1.425	2.21	1.00	1.09	1.30	1.695

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

EXHAUST SYSTEM—GROUP 8

EXHAUST PIPES

1	E3315	Pipe, exhaust L.H.	...	...	...	1	1	—	—	—
2	E3014	Pipe, exhaust L.H.	...	...	...	—	—	1	—	—
3	E3346	Pipe, exhaust L.H.	...	...	...	—	—	—	1	—
4	E3347	Pipe, exhaust L.H.	...	...	...	—	—	—	—	1
5	E3316	Pipe, exhaust R.H.	...	...	...	1	1	—	—	—
6	E3015	Pipe, exhaust R.H.	...	...	...	—	—	1	—	—
7	E3349	Pipe, exhaust R.H.	...	...	...	—	—	—	1	—
8	E3350	Pipe, exhaust R.H.	...	...	...	—	—	—	—	1
9	E1269	Clip, exhaust to cylinder head	...	...	...	2	2	—	2	2
10	E2857	Clip, exhaust to extension pipe	...	...	...	—	—	1	—	—
11	E409	Bolt, exhaust clip	...	...	...	2	2	—	2	2
12	E410A	Washer, exhaust clip bolt	...	...	...	2	2	—	2	2
13	TE164E	Bolt, exhaust clip	...	...	...	—	—	1	—	—
14	TE164C	Nut, exhaust clip bolt (D shape)	...	...	...	—	—	1	—	—
15	TE164D	Washer, exhaust clip bolt (D shape)	...	...	...	—	—	1	—	—
16	E2989	Bracket, exhaust pipe to engine plate (L.H.)	...	...	...	—	—	—	1	1
17	E2990	Bracket, exhaust pipe to engine plate (R.H.)	...	...	...	—	—	—	1	1
18	DS57	Bolt, exhaust pipe to bracket	...	...	...	—	—	—	2	2
19	S26-2	Washer, exhaust pipe to bracket bolt	...	...	...	—	—	—	2	2
20	F879	Nut, exhaust pipe to bracket bolt	...	...	...	—	—	—	2	2

SILENCER

21	E3323	Silencer, L.H.	...	...	...	1	1	—	1	1
22	E3324	Silencer, R.H.	...	...	...	1	1	—	1	1
23	E3407	Silencer	...	...	...	—	—	1	—	—
24	E688	Bolt, silencer hanger	...	...	...	2	2	—	—	—
25	F1718	Bolt, silencer hanger	...	...	...	—	—	—	2	2
26	F929	Bolt, silencer hanger	...	...	...	—	—	1	—	—
27	T224	Nut, silencer hanger bolt	...	...	...	2	2	—	—	—
28	SI-51	Nut, silencer hanger bolt	...	...	...	—	—	—	2	2
29	S25-3	Washer, silencer hanger bolt nut	...	...	...	—	—	—	2	2
30	TE246	Clip, silencer to exhaust pipe	...	...	...	2	2	—	2	2
31	E2857	Clip, silencer to exhaust pipe	...	...	...	—	—	1	—	—
32	TE164E	Bolt, silencer to exhaust pipe clip	...	...	...	2	2	1	2	2
33	TE164C	Nut, silencer to exhaust pipe clip	...	...	...	2	2	1	2	2
34	TE164D	Washer, silencer to exhaust pipe clip	...	...	...	2	2	1	2	2

FIG. 14 INDEX

Illust. No.	Part No.	Page No.	Ref. No.	Illust. No.	Part No.	Page No.	Ref. No.
1	E3315 (L.H.)	46	1	14	E2989	46	16
2	E3014	46	2	15	E2990	46	17
3	E3346 (L.H.)	46	3	16	DS57	46	18
	E3347 (L.H.)	46	4	17	S26-2	46	19
4	E3316 (R.H.)	46	5	18	F879	46	20
5	E3015	46	6	19	E3323 (L.H.)	46	21
6	E3349 (R.H.)	46	7	20	E3324 (R.H.)	46	22
	E3350 (R.H.)	46	8	21	E3407	46	23
7	E1269	46	9	22	E688	46	24
8	E2857	46	10		E1718	46	25
9	E409	46	11	23	F929	46	26
10	E410A	46	12	24	T224	46	27
11	TE164E	46	13		SI-51	46	28
12	TE164C	46	14	25	TE246	46	30

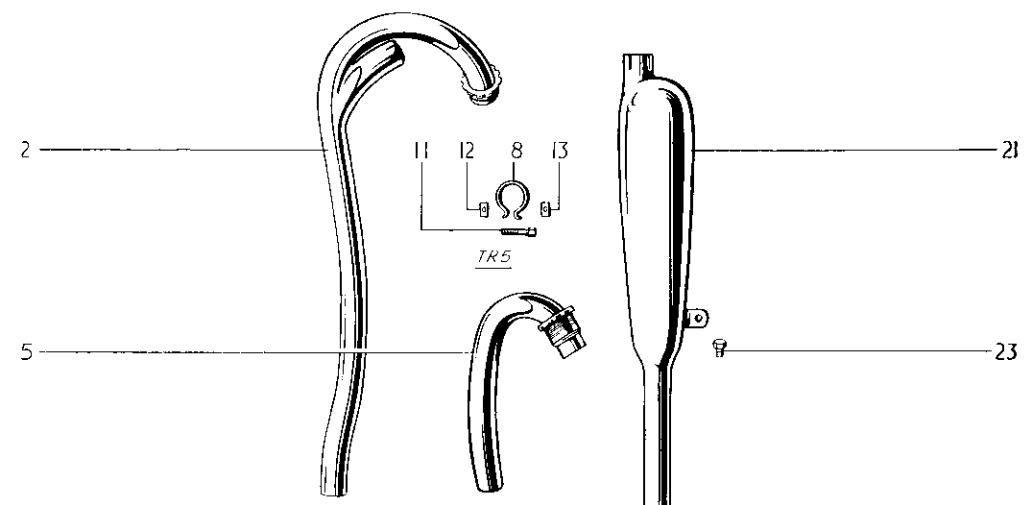
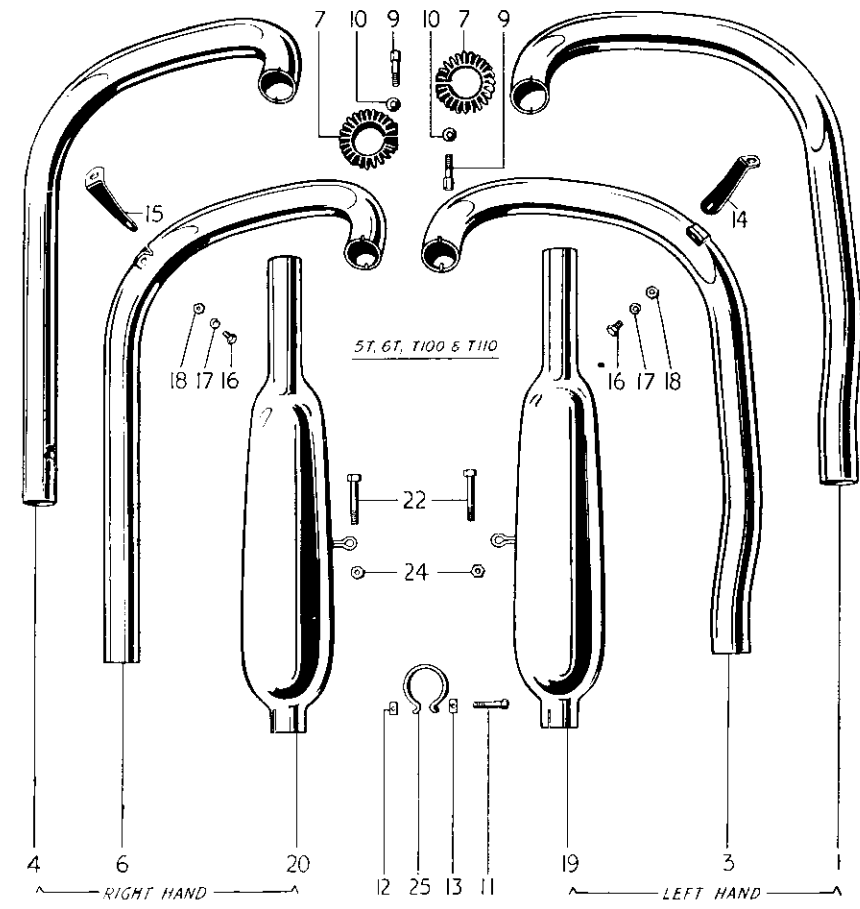


FIG. 14. EXHAUST PIPES AND SILENCERS



**GROUP 9 – FRAME**

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

**FRAME—GROUP 9**

**FRONT PORTION**

1	F3292A	Frame, front portion	1	1	—	—	—
2	F3295	Frame, front portion	—	—	1	—	—
3	F3634	Frame, front portion	—	—	—	1	1
4	F3638	Frame, front portion (Export)	—	—	—	1	1
5	E1023	Stud, seat lug to back stays	—	—	1	—	—
6	F1561	Stud, seat lug to back stays	1	1	—	1	1
7	PO172A	Nut, seat lug to back stays stud	2	2	1	2	2
8	F3073	Nut, seat lug to back stays stud R.H.	—	—	1	—	—
9	S26-1	Washer, seat lug to back stays stud	2	2	2	2	2
10	F994	Stud, seat tube to back stays (bottom)	1	1	1	—	—
11	SI-30	Nut, seat tube to back stays stud	2	2	2	—	—
12	SCZ45	Washer, seat tube to back stays stud	2	2	2	—	—
13	F1841	Support, petrol tank front	1	1	—	1	1
14	F1451	Bolt, petrol tank front support	1	1	—	1	1
15	SI-52	Nut, petrol tank front support	1	1	—	1	1
16	F3372	Support, petrol tank rear	1	1	—	1	1
17	F2687	Bolt, petrol tank rear support	2	2	—	2	2
18	S26-3	Washer, petrol tank rear support	2	2	—	2	2
19	NW100	Lubricator, steering column	1	1	1	1	1

SEE FRONT FORK GROUP FOR HEAD LUG STEERING RACES PAGE 64

**REAR PORTION**

20	F3102	Frame, rear portion	1	1	—	—	—
21	F3319	Frame, rear portion	—	—	1	—	—
22	F3635	Frame, rear portion	—	—	—	1	1
23	F2908	Stud, mudguard to rear frame	2	2	—	—	—
24	F969	Screw, rear chain adjuster	2	2	2	—	—
25	F1008	Locknut, rear chain adjuster screw	—	—	2	—	—
26	F1824	Locknut, rear chain adjuster screw	2	2	—	—	—
27	*F3718	Support bracket L.H. silencer	—	—	—	1	1
28	F3580	Support bracket R.H. silencer	—	—	—	1	1
29	F2603	Bolt, bracket to frame	—	—	—	2	2
30	E1396	Stud, bracket to frame	—	—	—	1	1
31	SI-51	Nut, bracket to frame bolts and stud	—	—	—	3	3
32	S26-3	Washer, bracket to frame bolts and stud	—	—	—	3	3
33	KW194	Lubricator, swinging fork	—	—	—	1	1
34	WE170	Washer, lubricator	—	—	—	1	1

\* All T100 and T110 models before Engine No. 51200 use F3579 support bracket L.H.

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

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

**SWINGING FORK**

1	F3646	Swinging fork assy. c/w bushes	—	—	—	1	1
2	F3690	Bush, fork lug	—	—	—	2	2
3	F3574	Spacing Washer, R.H.	—	—	—	1	1
4	F3564	Spindle, S/Fork	—	—	—	1	1
5	F3598	Rod, cap retaining	—	—	—	1	1
6	F3567	Cap, spindle retaining	—	—	—	2	2
7	GS182	Nut, cap retaining	—	—	—	2	2
8	F3683	Shim 0.003"	—	—	—	—	—
9	F3684	Shim 0.005"	—	—	—	—	—

} As required

**FRAME TO ENGINE TORQUE STAY—GROUP 10**

10	F1597	Stay, engine to frame clip	2	2	—	—	—
11	E3308	Stay, engine to frame lug	—	—	—	2	2
12	E2800	Clip, engine steady L.H. half	—	—	—	1	—
13	E2801	Clip, engine steady R.H. half	—	—	—	1	—
14	E1598	Clip, torque stay...	1	1	—	—	—
15	DS55	Bolt torque bracket clip	—	—	—	1	—
16	F1031	Bolt torque stay clip	1	1	—	—	—
17	F2603	Bolt torque stay to frame lug	—	—	—	1	1
18	SI-51	Nut, torque bracket clip bolt	—	—	—	1	—
19	PO172A	Nut, torque stay clip bolt	1	1	—	—	—
20	SI-51	Nut, torque stay bolt	—	—	—	1	1
21	S26-3	Washer, torque bracket clip bolt	—	—	—	1	—
22	S25-3	Washer, torque stay clip bolt	1	1	—	—	—
23	S26-3	Washer, torque stay bolt	—	—	—	1	1
24	SI-52	Nut, torque stay to engine bolt	2	2	—	2	2
25	S26-1	Washer, torque stay to engine bolt	2	2	—	2	2

**CRANKCASE UNDERSHIELD—GROUP 11**

26	F3079	Undershield, crankcase	—	—	—	1	—
27	F3078	Bracket, undershield	—	—	—	1	—
28	F1369	Bolt, undershield	—	—	—	2	—
29	F879	Nut, undershield	—	—	—	2	—
30	S26-2	Washer, undershield	—	—	—	2	—

ALWAYS QUOTE COLOURS WHEN ORDERING FRAME PARTS.

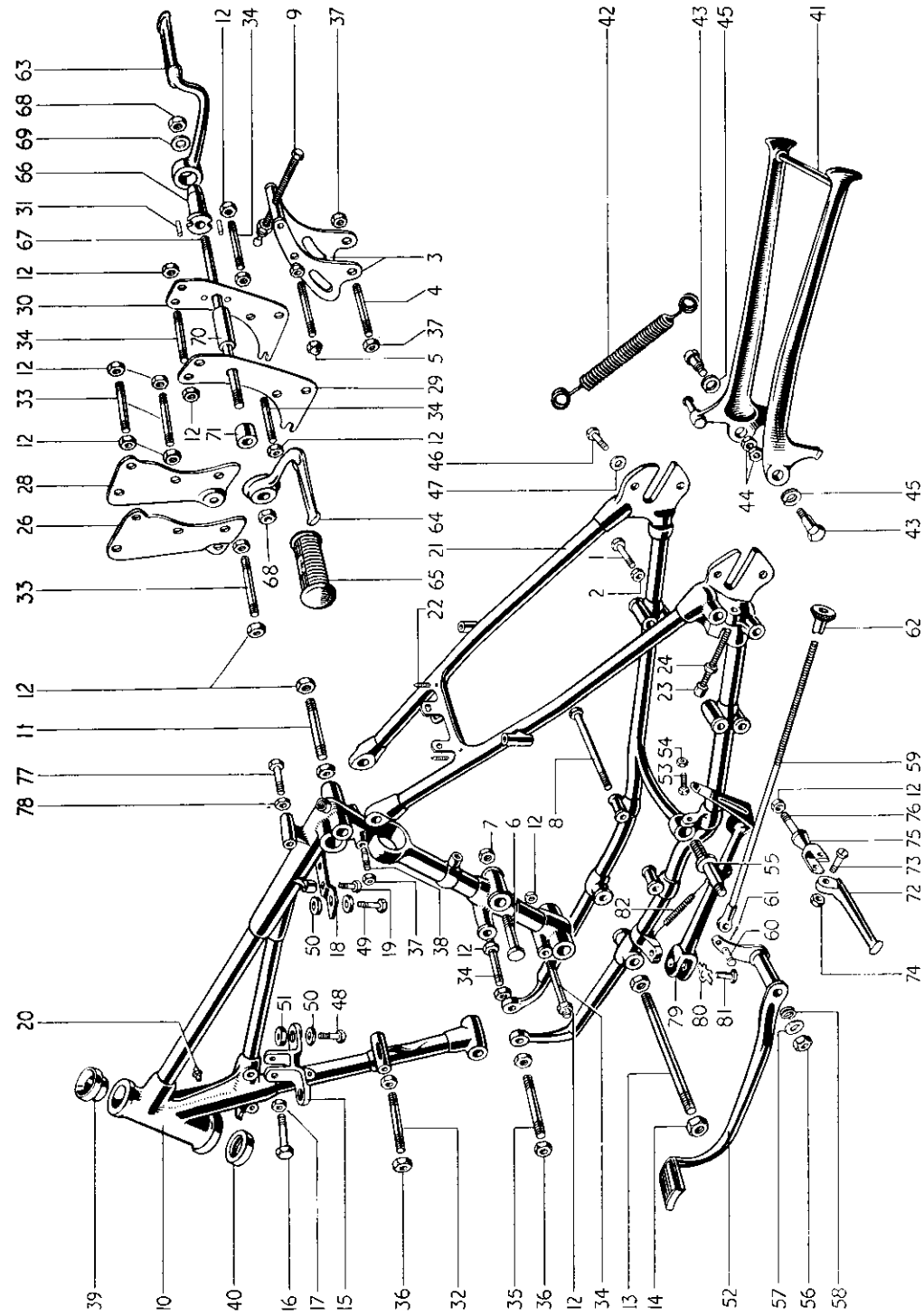


FIG. 15. FRAME—SPEED TWIN (5T) AND THUNDERBIRD (6T)

FIG. 15 INDEX

Illust. No.	Part No.	Page No.	Ref. No.	Illust. No.	Part No.	Page No.	Ref. No.	Illust. No.	Part No.	Page No.	Ref. No.
1	E688	46	24	30	F1811A	58	9	57	S25-2	96	10
2	T224	46	27	31	F1117	58	11	58	S26-16	96	11
3	T717	37	30	32	F2414	58	14	59	F1015A	96	12
4	T456	37	31	33	F1711	58	15	60	F1015B	96	14
5	T461	37	33	34	F839	58	17	61	WF32	96	17
6	E1681	37	35	35	F1680	58	19	62	Split pin	96	18
7	S4-13	37	36	36	DS47	58	21	63	NS372	96	21
8	T430	40	4	37	S1-51	58	24	64	F1731	96	24
9	T275	40	11	38	F1682	98	8	65	F987	96	26
10	F3292A	48	1	39	H437	64	28	66	NF704	96	27
11	F1561	48	6	40	H111	64	29	67	F1736	96	29
12	PO172A	58	22	41	F1834	59	6	68	F991	96	30
13	F994	48	10	42	F975A	59	8	69	DS48	96	32
14	S1-30	48	11	43	F977	59	9	70	S25-8	96	33
15	F1841	48	13	44	W630	59	10	71	F862	96	35
16	F1451	48	14	45	F976	59	11	72	T87	96	36
17	S1-52	48	15	46	E579	81	12	73	F1694	97	2
18	F3372	48	16	47	S25-2	81	14	74	F2271	97	4
19	F2687	48	17	48	F1808	84	27	75	S1-51	97	5
20	NW100	48	19	49	F966	84	28	76	F2268	97	7
21	F3102	48	20	50	F967	84	34	77	F1696	97	8
22	F2908	48	23	51	F1813	84	35	78	NA64J	121	11
23	F969	48	24	52	F3313	96	1	79	F3367	59	12
24	F1824	48	26	53	F1149	96	4	80	F3096	59	16
26	F2646	58	1	54	F879	96	5	81	F3097	59	14
28	F2647	58	3	55	F867	96	6	82	F2610	59	15
29	F1811	58	6	56	S1-52	96	9				

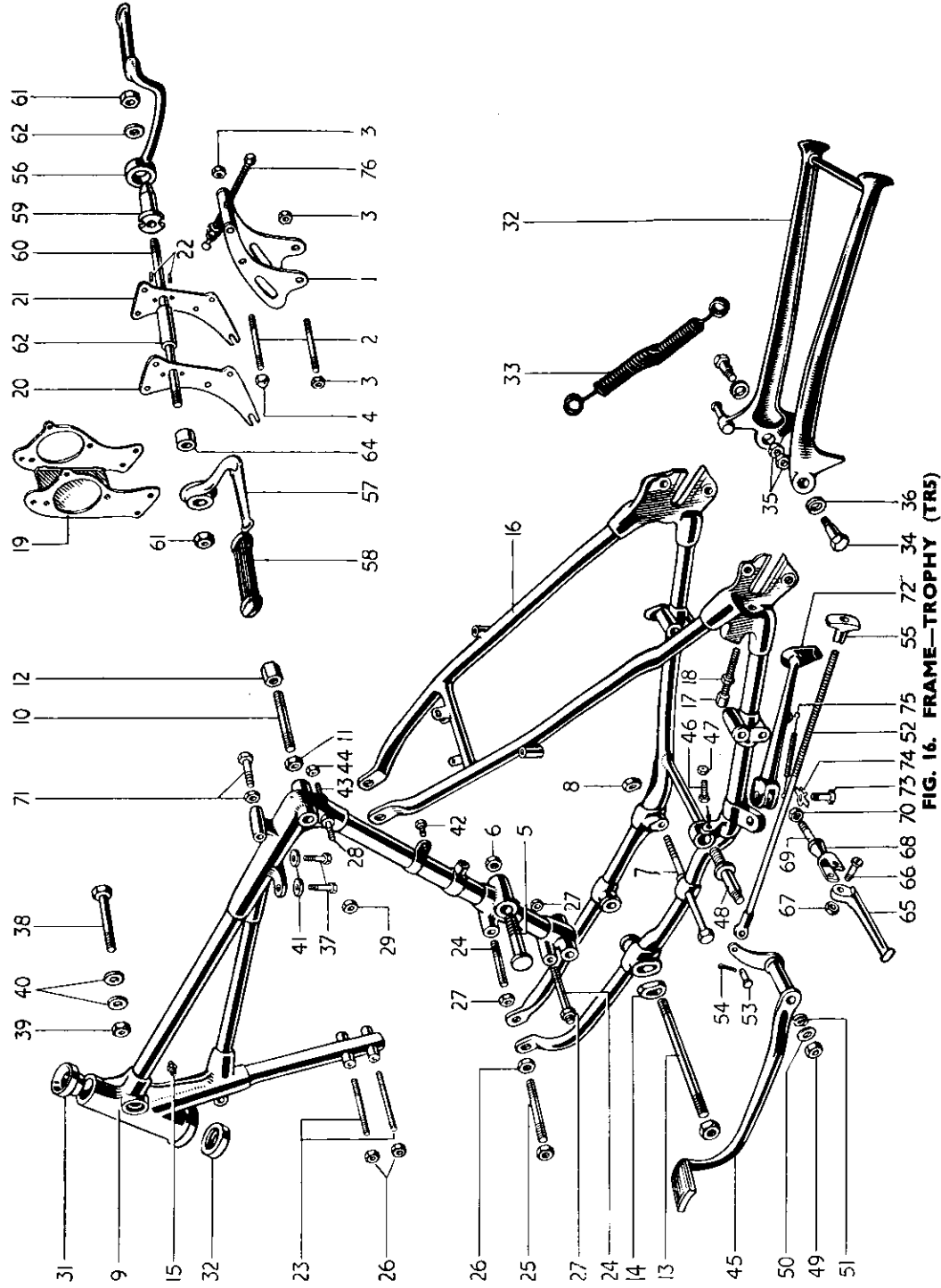


FIG. 16. FRAME-TROPHY (TR5)

FIG. 16 INDEX

Illust. No.	Part No.	Page No.	Ref. No.	Illust. No.	Part No.	Page No.	Ref. No.	Illust. No.	Part No.	Page No.	Ref. No.
1	T17	37	30	27	SI-51	58	24	53	F1015C	96	15
2	T456	37	31	28	F1682	102	18	54	WF32	96	17
3	SI-51	37	32	29	SI-51	102	19	55	Split Pin	96	18
4	T461	37	33	30	H437	64	28	56	F2896	96	22
5	F1681	37	35	31	H111	64	29	57	F1731	96	24
6	S4-13	37	36	32	F3146	59	7	58	F987	96	26
7	F3108	40	5	33	F975A	59	8	59	F1695	96	28
8	PO172A	40	8	34	F977	59	9	60	F1736	96	29
9	F3295	48	2	35	WV630	59	10	61	F991	96	30
10	E1023	48	5	36	F976	59	11	62	D548	96	32
11	PO172A	48	7	37	F966	84	28	63	S25-8	96	33
12	F3073	48	8	38	F3007	84	29	64	F862	96	35
13	F994	48	10	39	SI-51	84	30	65	T87	96	36
14	SI-30	48	11	40	S25-3	84	32	66	F1694	97	2
15	NW100	48	19	41	F967	84	34	67	F2271	97	4
16	F3319	48	21	42	F2398	86	12	68	SI-51	97	5
17	F969	48	24	43	F1682	86	14	69	F2268	97	7
18	F1008	48	25	44	SI-51	86	16	70	F1696	97	8
19	F2979	58	5	45	F3313	96	1	71	PO172A	97	9
20	F2884	58	8	46	F1149	96	4	72	NA64J	121	11
21	F2885A	58	10	47	F879	96	5	73	F3094	59	13
22	F1117	58	11	48	F867	96	6	74	F3097	59	14
23	F1711	58	15	49	SI-52	96	9	75	F3096	59	16
24	E522	58	16	50	S25-2	96	10	76	F2610	59	15
25	F839	58	17	51	S26-16	96	11	76	T887	40	12
26	PO172A	58	22	52	F1015	96	13				

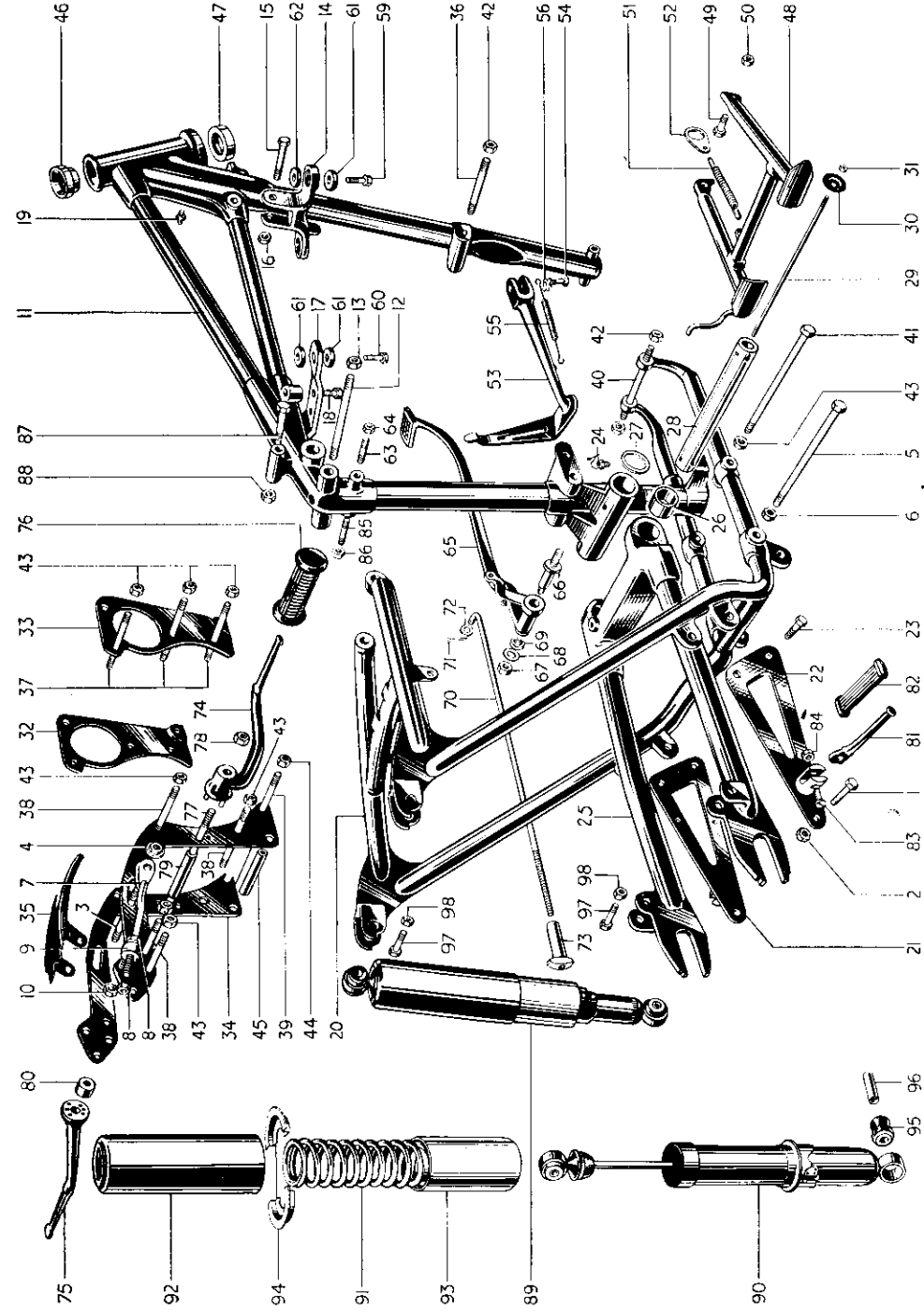
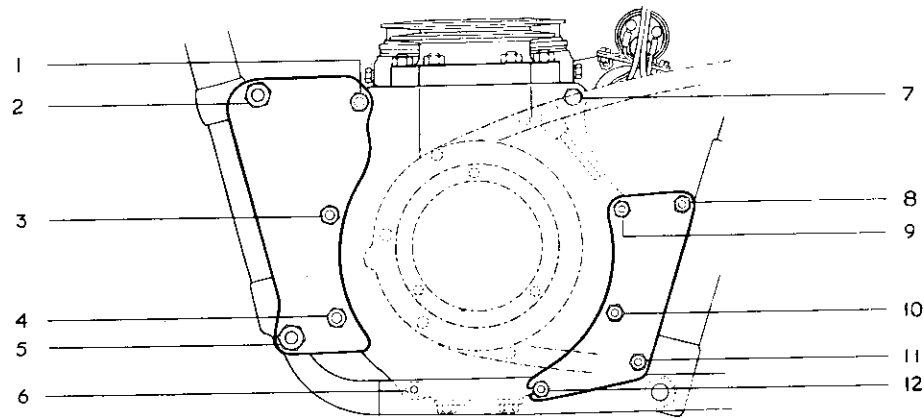


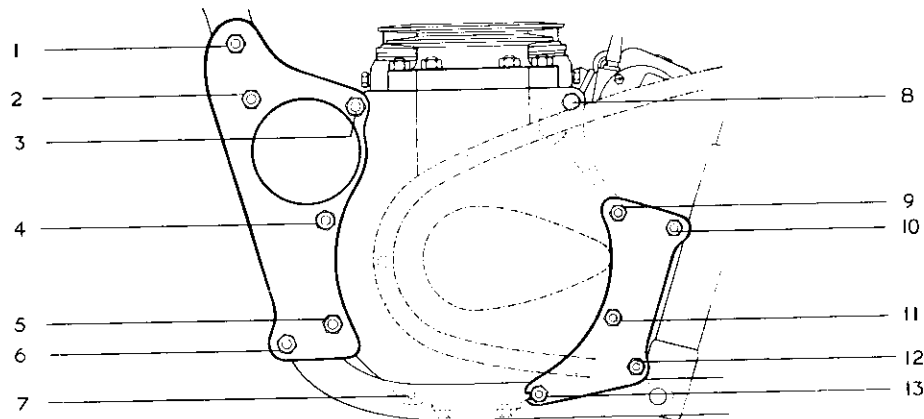
FIG. 17. FRAME-TIGER 100 (T100) AND TIGER 110 (T110)

FIG. 17 INDEX

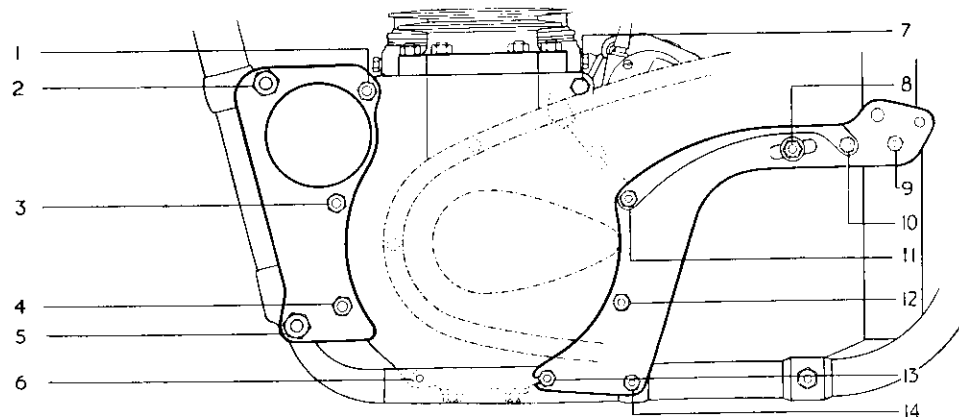
Illust. No.	Part No.	Page No.	Ref. No.	Illust. No.	Part No.	Page No.	Ref. No.	Illust. No.	Part No.	Page No.	Ref. No.
1	F1718	46	25	33	F2223	58	4	67	SI-52	96	9
2	SI-51	46	28	34	F3541	58	8	68	S25-2	96	10
3	F3576	40	2	35	F3571	58	13	69	S26-16	96	11
4	E2158	40	3	36	F2414	58	14	70	F3597	96	16
5	F3575	40	6	37	F1711	58	15	71	Split Pin	96	18
6	DS47	40	7	38	F839	58	17	72	S25-13	96	19
7	F3572	40	13	39	F3665	58	18	73	F3667	96	23
8	SI-51	40	14	40	F1680	58	19	74	F3593	96	25
9	E3573	40	16	41	F3108	58	20	75	F987	96	26
10	PO172A	40	17	42	DS47	58	21	76	NF704	96	27
11	F3634	48	3	43	PO172A	58	22	77	F3592	96	31
12	F1561	48	6	44	SI-52	58	25	78	DS48	96	32
13	PO172A	48	7	45	F862	58	31	79	F862	96	35
14	F1841	48	13	46	H437	64	28	80	T87	96	36
15	F1451	48	14	47	H111	64	29	81	F1694	97	2
16	SI-52	48	15	48	F3730	59	1	82	F1695	97	3
17	F3372	48	16	49	F3619	59	2	83	F2271	97	4
18	F2687	48	17	50	F2725	59	3	84	SI-51	97	5
19	NW100	48	19	51	F3617	59	4	85	F3641	98	38
20	F3635	48	22	52	F3618	59	5	86	F1008	98	39
21	F3718	48	27	53	F3367	59	12	87	E2593	122	14
22	F3580	48	28	54	F3097	59	14	88	SI-51	122	15
23	F2603	48	29	55	F2610	59	15	89	S.MDA 4.4	123	19
24	KW194	48	33	56	F3096	59	16	90	MDA 4.4	123	21
25	F3646	49	1	59	F1808	84	27	91	9054.63	123	22
26	F3690	49	2	60	F966	84	28	92	9054.46	123	23
27	F3574	49	3	61	F967	84	34	93	9054.47	123	24
28	F3564	49	4	62	F1813	84	35	94	9054.43	123	25
29	F3598	49	5	63	F3641	86	15	95	9046.471	123	26
30	F3567	49	6	64	SI-51	86	16	96	9046.862	123	27
31	GS182	49	7	65	F3595	96	2	97	E2113	123	29
32	F2222	58	2	66	F867	96	6	98	PO172A	123	31



SPEED TWIN (5T) AND THUNDERBIRD (6T)



TROPHY (TR5)



TIGER (T100) AND TIGER 110 (T110)

FIG. 18. ENGINE PLATE—STUDS, BOLTS, NUTS AND WASHERS

FIG. 18 INDEX

5T and 6T Models

Illust. No.	Part No.	Description	Illust. No.	Part No.	Description
1, 3 and 4	F1711	Stud	6	T456	Stud
	PO172A	Nut		S1-51	Nut
	S26-1	Spring Washer		S25-3	Washer
2	F2414	Stud	7	E1555	Bolt
	DS47	Nut		S25-3	Washer
	PCW73A	Spring Washer	8, 9, 10 and 11	F839	Stud
	F1680	Stud		PO172A	Nut
5	DS47	Nut	S26-1	Spring Washer	
	PCW73A	Spring Washer	12	F3665	Stud
			S1-51	Nut	
			S26-1	Spring Washer	

TR5 Models

Illust. No.	Part No.	Description	Illust. No.	Part No.	Description
1, 2, 3 and 4	F1711	Stud	8	E1555	Bolt
	PO172A	Nut		S25-3	Washer
	S26-1	Spring Washer	10 and 12	E522	Stud
5	F1711	Stud		S1-51	Nut
	F3004	Sleeve Nut	S26-3	Spring Washer	
	S26-1	Spring Washer	13	F3665	Stud
6, 9 and 11	F839	Stud		S1-52	Nut
	PO172A	Nut		S26-1	Spring Washer
	S26-1	Spring Washer			
7	T456	Stud			
	S1-51	Nut			
	S25-3	Washer			

T100 and T110 Models

Illust. No.	Part No.	Description	Illust. No.	Part No.	Description
1, 3 and 4	F1711	Stud	8	F3576	Stud
	PO172A	Nut		E2158	Nut
	S26-1	Spring Washer	9, 10, 11 and 12	F839	Stud
2	F2414	Stud		PO172A	Nut
	DS47	Nut	S26-1	Spring Washer	
	PCW73A	Spring Washer	13	F3665	Stud
	F1680	Stud		S1-52	Nut
5	DS47	Nut	S26-1	Spring Washer	
	PCW73A	Spring Washer	14	F3108	Bolt
	T456	Stud		PO172A	Nut
6	S1-51	Nut	S26-1	Spring Washer	
	S25-3	Washer			
	7	E1555	Bolt		
	S25-3	Washer			

**GROUP 12 – ENGINE PLATE  
GROUP 13 – STAND**

REF. No.	PART No.	DESCRIPTION	5T	6T	TR5	T100	T110
<b>ENGINE PLATE—GROUP 12</b>							
1	F2646	Plate, engine front L.H.	1	1	—	—	—
2	F2222	Plate, engine front L.H.	—	—	—	1	1
3	F2647	Plate, engine front R.H.	1	1	—	—	—
4	E2223	Plate, engine front R.H.	—	—	—	1	1
5	F2979	Plate, engine front assembly	—	—	1	—	—
6	F1811	Plate, engine rear L.H.	1	1	—	—	—
7	F2884	Plate, engine rear L.H.	—	—	1	—	—
8	F3541	Plate, engine rear	—	—	—	2	2
9	F1811A	Plate, engine rear R.H.	1	1	—	—	—
10	F2885A	Plate, engine rear R.H.	—	—	1	—	—
11	F1117	Dowel, engine rear R.H. plate	2	2	2	—	—
12	F2275	Cover, engine plate front	1	1	—	1	1
13	F3571	Cover, engine plate rear	—	—	—	1	1
14	F2414	Stud, $\frac{7}{16}$ " $\times$ $4\frac{1}{8}$ " C.E.I.	1	1	—	1	1
15	F1711	Stud, $\frac{3}{8}$ " $\times$ $4\frac{1}{16}$ " C.E.I.	3	3	5	3	3
16	E522	Stud, $\frac{5}{16}$ " $\times$ $4\frac{1}{8}$ " C.E.I.	—	—	2	—	—
17	F839	Stud, $\frac{3}{8}$ " $\times$ $4\frac{7}{16}$ " C.E.I.	4	4	3	4	4
18	F3665	Stud, $\frac{3}{8}$ " $\times$ $4\frac{1}{4}$ " C.E.I.	1	1	1	1	1
19	F1680	Stud, $\frac{7}{16}$ " $\times$ $4\frac{3}{8}$ " C.E.I.	1	1	—	1	1
20	F3108	Bolt, rear engine plate to frame	—	—	—	1	1
21	DS47	Nut, for F2414, F1680 Studs	4	4	—	4	4
22	PO172A	Nut, for F1023, F1711, F839 Studs and F3108 bolt	14	14	14	15	15
23	F3004	Nut, for F1711 Stud (lower)	—	—	2	—	—
24	SI-51	Nut, for T456, E522 Studs	2	2	6	2	2
25	SI-52	Nut, for F3665 Stud	2	2	2	2	2
26	PCW73A	Washer, for E2414, F1680 Studs	4	4	—	4	4
27	S26-1	Washer, for F1711, F839 Studs and F3108 bolt	16	16	18	17	17
28	S25-3	Washer, for T456 Studs...	2	2	2	2	2
29	S26-3	Washer, for E522 Studs	—	—	4	—	—
30	F3017	Distance piece for E522 Stud	—	—	4	—	—
31	F862	Distance tube for F3108 bolt	—	—	—	1	1

**STAND—GROUP 13**

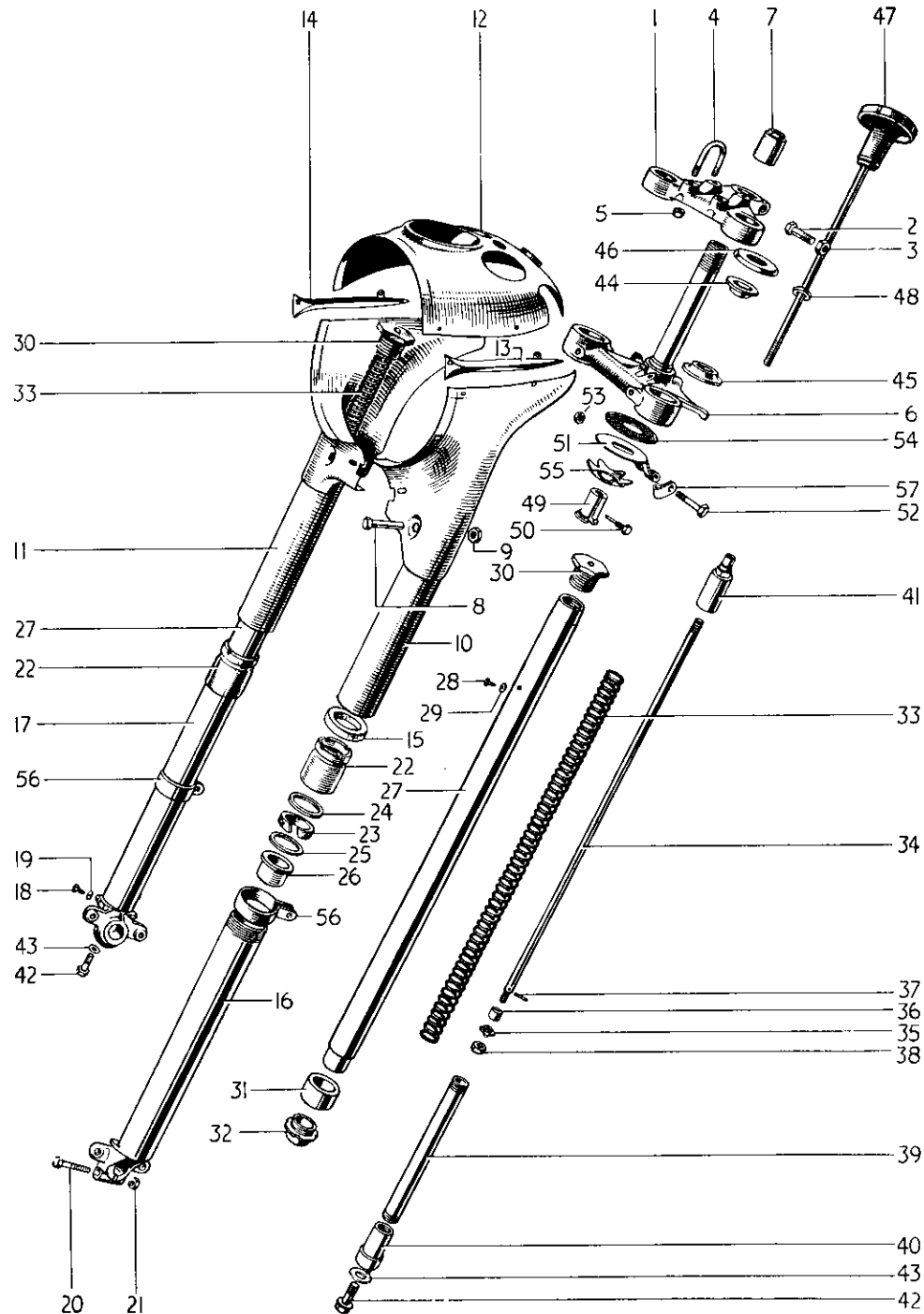
**FRONT STAND**

32	H412	Stand assembly, front	1	1	1	1	1
33	DS55	Bolt, front guard to stand	1	1	1	1	1
34	SI-51	Nut, front guard to stand bolt...	1	1	1	1	1
35	NS362	Nut, front stand to guard spigot	1	1	1	1	1
36	H424	Screw, front stand to fork pivot	2	2	2	2	2
37	S25-3	Washer, pivot screw plain	2	2	2	2	2
38	H425	Washer, pivot screw spring	2	2	2	2	2

**STAND – GROUP 13  
TELESCOPIC FRONT FORK – GROUP 14**

REF. No.	PART No.	DESCRIPTION	5T	6T	TR5	T100	T110
<b>CENTRE STAND</b>							
1	F3730	Stand assembly, centre	—	—	—	1	1
2	F3619	Pivot bolt, stand to frame	—	—	—	2	2
3	F2725	Nut, stand to frame bolt	—	—	—	2	2
4	F3617	Spring, centre stand	—	—	—	1	1
5	F3618	Connecting link, stand spring	—	—	—	1	1
<b>REAR STAND</b>							
6	F1834	Stand assembly, rear	1	1	—	—	—
7	F3146	Stand assembly, rear	—	—	1	—	—
8	F975A	Spring, rear stand	1	1	1	—	—
9	F977	Bolt, rear stand pivot	2	2	2	—	—
10	W630	Nut, rear stand pivot bolt	2	2	2	—	—
11	F976	Washer, rear stand pivot bolt...	2	2	2	—	—
<b>PROP STAND</b>							
12	F3367	Prop stand, complete	1	1	—	1	1
13	F3094	Prop stand, complete	—	—	1	—	—
14	F3097	Swivel pin, prop stand	1	1	1	1	1
15	F2610	Spring, tension	1	1	1	1	1
16	F3096	Lock washer, swivel pin	1	1	1	1	1
<b>FRONT FORK—GROUP 14</b>							
17	H922	Fork assembly	1	—	—	—	—
18	H923	Fork assembly	—	—	—	1	1
19	H924	Fork assembly	—	1	—	—	—
20	H788	Fork assembly	—	—	1	—	—
21	H663A	Lug, fork head top	1	1	—	1	1
22	H789	Lug, fork head top c/w clips	—	—	1	—	—
23	F1760	Bolt, fork head top lug pinch	1	1	1	1	1
24	H379	Nut, fork head top bolt	1	1	1	1	1
25	H660	"U" bolt, handlebar clamp	2	2	—	2	2
26	S25-3	Washer, handlebar clamp	4	4	—	4	4
27	SI-51	Nut, handlebar clamp	4	4	—	4	4
28	H722	Cap, handlebar clamp	—	—	2	—	—
29	H436	Bolt, handlebar clamp cap	—	—	4	—	—
30	H695	Crown and stem, fork	1	1	—	1	1
31	H790	Crown and stem, fork	—	—	1	—	—
32	H405	Nut, crown and stem sleeve	1	1	1	1	1
33	H570	Bolt, crown and stem to stanchion	2	2	2	2	2
34	H518	Nut, crown and stem to stanchion	2	2	—	2	2
35	H723	Nut, crown and stem to stanchion	—	—	2	—	—
36	S25-3	Washer, crown and stem to stanchion	2	2	2	2	2

**GROUP 14 – TELESCOPIC FRONT FORK**



**FIG. 19. TELESCOPIC FORK**

REF. No.	PART No.	DESCRIPTION	5T	6T	TR5	T100	T110
1	H799	Cover, nacelle L.H.	1	1	—	1	1
2	H800	Cover, nacelle R.H.	1	1	—	1	1
3	H421	Cover, top c w headlamp bracket L.H.	—	—	1	—	—
4	H422	Cover, top c w headlamp bracket R.H.	—	—	1	—	—
5	H917	Top unit, nacelle	1	1	—	—	—
6	H761	Top unit, nacelle	—	—	—	1	1
7	A46	Transfer, Thunderbird	—	1	—	—	—
8	H669	Grommet, handlebar rubber	2	2	—	2	2
9	H689	Screw, top unit to nacelle cover	2	2	—	2	2
10	H691	Nut, for H689	2	2	—	2	2
11	E2880	Washer, for H691	2	2	—	2	2
12	H623	Motif (flash) L.H.	1	1	—	1	1
13	H624	Motif (flash) R.H.	1	1	—	1	1
14	H688	Screw, motif front	2	2	—	2	2
15	H691	Nut, motif front	2	2	—	2	2

**FIG. 19 INDEX**

Illust. No.	Part No.	Page No.	Ref. No.	Illust. No.	Part No.	Page No.	Ref. No.
1	H663A	59	21	30	H432A	64	6
2	F1760	59	23	31	H443	64	8
3	H379	59	24	32	H444	64	9
4	H660	59	25	33	H750 (Green)	64	10
5	S1-51	59	27		H384 (Red)	64	11
6	H695	59	30		H505 (Blue)	64	13
7	H405	59	32	34	H399A	64	16
8	H570	59	33	35	H452	64	18
9	H518	59	34	36	H453	64	19
10	H799	61	1	37	H454	64	20
11	H800	61	2	38	F879	64	21
12	H917	61	5	39	H394	64	22
	H761	61	6	40	H395	64	23
13	H623	61	12	41	H397	64	24
14	H624	61	13	42	H398	64	26
15	H420	63	3	43	E1335	64	27
16	H414	63	4	44	H438	64	30
17	H415	63	5	45	H439	64	31
18	H519	63	6	46	H407	64	34
19	H430	63	7	47	H536	64	35
20	F1760	63	8	48	H565	64	36
21	H379	63	9	49	H408	64	37
22	H390	63	10	50	H409	64	38
23	H391	63	11	51	H413	64	39
24	H445	63	12	52	F1718	64	41
25	H431	63	13	53	S1-51	64	42
26	H441	64	1	54	H435	64	44
27	H382A	64	2	55	H95	64	45
28	H519A	64	4	56	H428	80	4
29	H430	64	5	57	F3098	123	12

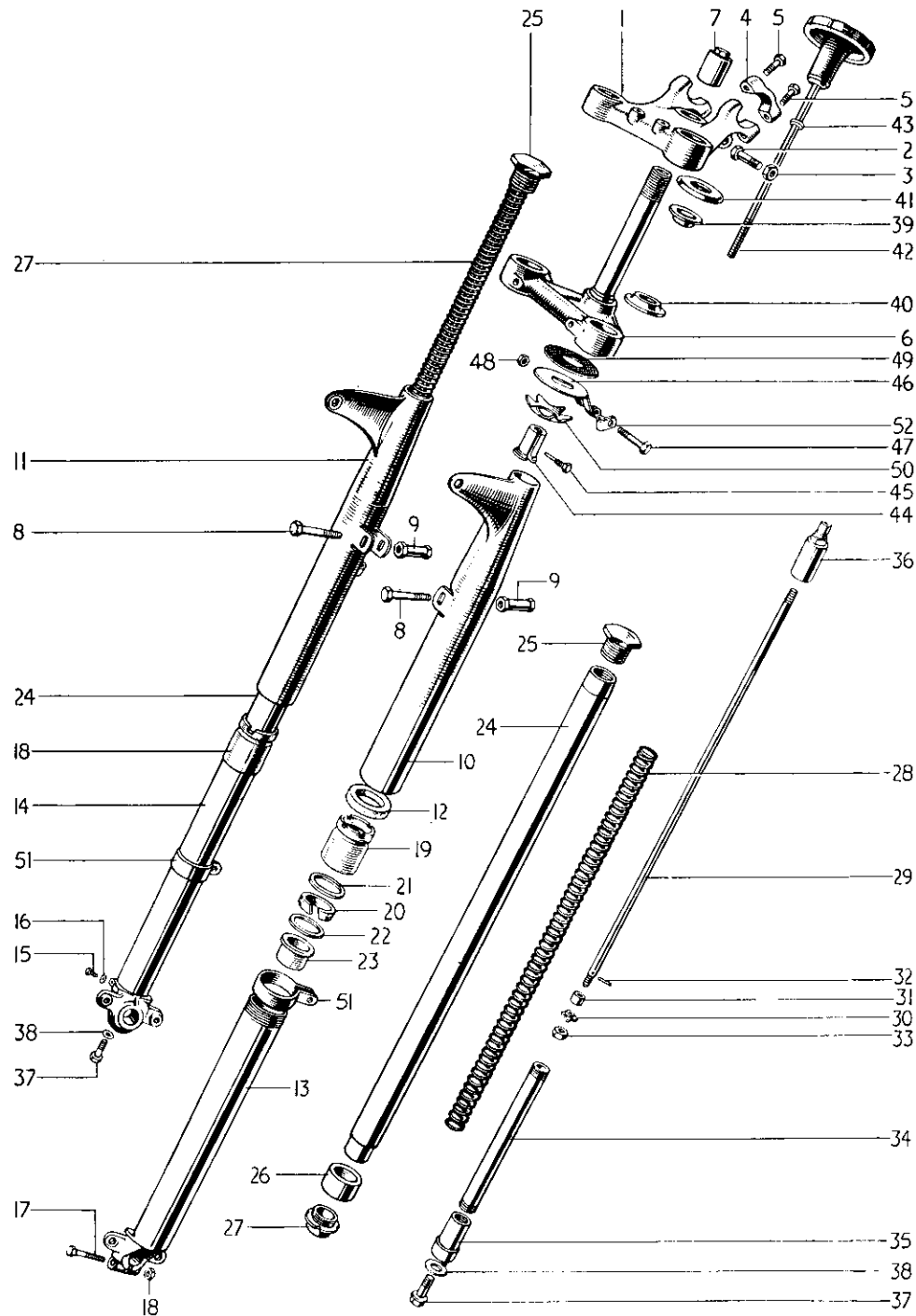


FIG. 20. TELESCOPIC FORK (TROPHY)

REF. No.	PART No.	DESCRIPTION	5T	6T	TR5	T100	T110
1	E2880	Nut, motif front ...	2	2	—	2	2
2	H687	Screw, top unit to nacelle cover ...	2	2	—	2	2
3	H420	Washer, cover tube felt ...	2	2	2	2	2
4	H414	Cover, bottom tube with spindle lug L.H. ...	1	1	1	1	1
5	H415	Cover, bottom tube with spindle lug R.H. ...	1	1	1	1	1
6	H519	Plug, cover tube bottom drain ...	2	2	2	2	2
7	H430	Washer, cover tube bottom drain ...	2	2	2	2	2
8	F1760	Bolt, spindle lug pinch L.H. ...	1	1	1	1	1
9	H379	Nut, spindle lug pinch L.H. ...	1	1	1	1	1
10	H390	Sleeve, cover tube dust excluder ...	2	2	2	2	2
11	H391	Washer, cover tube dust excluder felt ...	2	2	2	2	2
12	H445	Washer, inner—for H391 ...	2	2	2	2	2
13	H431	Washer, outer—for H391 ...	2	2	2	2	2

FIG. 20 INDEX

Illust. No.	Part No.	Page No.	Ref. No.	Illust. No.	Part No.	Page No.	Ref. No.
1	H789	59	22	27	H444	64	9
2	F1760	59	23	28	H750	64	10
3	H379	59	24	29	H399	64	17
4	H722	59	28	30	H452	64	18
5	H436	59	29	31	H453	64	19
6	H790	59	31	32	H454	64	20
7	H405	59	32	33	F879	64	21
8	H570	59	33	34	H394	64	22
9	H723	59	35	35	H395	64	23
10	H421	61	3	36	H397	64	24
11	H422	61	4	37	H398	64	26
12	H420	63	3	38	E1335	64	27
13	H414	63	4	39	H438	64	30
14	H415	63	5	40	H439	64	31
15	H519	63	6	41	H407	64	34
16	H430	63	7	42	H536	64	35
17	F1760	63	8	43	H565	64	36
18	H379	63	9	44	H408	64	37
19	H390	63	10	45	H409	64	38
20	H391	63	11	46	H724	64	40
21	H445	63	12	47	F1718	64	41
22	H431	63	13	48	H518	64	43
23	H441	64	1	49	H435	64	44
24	H382	64	3	50	H95	64	45
25	H432	64	7	51	H428	80	4
26	H443	64	8	52	F3098	123	12



REF. No.	PART No.	DESCRIPTION	5T	6T	TR5	T100	T110
1	H441	Bearing, bottom cover tube ...	2	2	2	2	2
2	H382A	Stanchion ...	2	2	—	2	2
3	H382	Stanchion ...	—	—	2	—	—
4	H519A	Plug, stanchion oil filler...	2	2	—	2	2
5	H430	Washer, stanchion oil filler ...	2	2	—	2	2
6	H432A	Nut, stanchion upper sleeve cap ...	2	2	—	2	2
7	H432	Nut, stanchion upper sleeve cap ...	—	—	2	—	—
8	H443	Bearing, stanchion lower ...	2	2	2	2	2
9	H444	Nut, stanchion hydraulic stop ...	2	2	2	2	2
10	H750	Spring, main (identification GREEN) ...	2	2	2	—	—
11	H384	Spring, main (identification RED) ...	—	—	—	2	2
12	H384	Spring, main (identification RED) U.S.A. ...	2	2	—	2	2
13	H505	Spring, main (identification BLUE) Sidecar ...	2	2	—	2	2
14	H521A	Pressure tube assembly ...	2	2	—	2	2
15	H521	Pressure tube assembly ...	—	—	2	—	—
16	H399A	Rod, oil pressure ...	2	2	—	2	2
17	H399	Rod, oil pressure ...	—	—	2	—	—
18	H452	Restrictor, oil ...	2	2	2	2	2
19	H453	Cup, oil restrictor rod ...	2	2	2	2	2
20	H454	Pin, oil restrictor rod cup ...	2	2	2	2	2
21	F879	Nut, oil restrictor rod ...	2	2	2	2	2
22	H394	Tube pressure ...	2	2	2	2	2
23	H395	Body, pressure tube valve ...	2	2	2	2	2
24	H397	Sleeve, pressure tube support ...	2	2	2	2	2
25	H500	Pin, valve body ...	2	2	2	2	2
26	H398	Bolt, valve body to lug ...	2	2	2	2	2
27	E1335	Washer, valve body to lug bolt ...	2	2	2	2	2

STEERING CUPS, CONES AND BALLS

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

STEERING DAMPER

35	H536	Knob, c/w rod ...	1	1	1	1	1
36	H565	Washer, damper knob abutment ...	1	1	1	1	1
37	H408	Sleeve, damper adjusting ...	1	1	1	1	1
38	H409	Pin, sleeve securing ...	1	1	1	1	1
39	H413	Plate, damper anchor ...	1	1	—	1	1
40	H724	Plate, damper anchor ...	—	—	1	—	—
41	F1718	Bolt, damper anchor plate ...	1	1	1	1	1
42	SI-51	Nut, damper anchor plate ...	1	1	—	1	1
43	H518	Nut, damper anchor plate ...	—	—	1	—	—
44	H435	Disc, damper anchor plate friction ...	1	1	1	1	1
45	H95	Plate, damper anchor plate spring ...	1	1	1	1	1

REF. No.	PART No.	DESCRIPTION	5T	6T	TR5	T100	T110
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FRONT WHEEL—GROUP 15

1	W937	Wheel, front complete ...	1	1	—	—	—
2	W944	Wheel, front complete ...	—	—	1	—	—
3	W1070	Wheel, front complete ...	—	—	—	1	1
4	W938	Wheel, front less internal and brake fittings ...	1	1	—	—	—
5	W945	Wheel, front less internal and brake fittings ...	—	—	1	—	—
6	W1061	Wheel, front less internal and brake fittings ...	—	—	—	1	1
7	W351	Rim, front wheel WM2-19 ...	1	1	—	1	1
8	W870	Rim, front wheel WMI-20 ...	—	—	1	—	—
9	*W660	Spoke, long $8\frac{11}{16}$ " x 10G—88° L.H. ...	10	10	—	10	10
10	*W661	Spoke, long $8\frac{11}{16}$ " x 10G—90° L.H. ...	10	10	—	10	10
11	*W354	Spoke long, $9\frac{3}{8}$ " x 10G—78° L.H. ...	—	—	10	—	—
12	*W354X	Spoke, long $9\frac{3}{8}$ " x 10G—99° L.H. ...	—	—	10	—	—
13	*W933	Spoke, short $6\frac{3}{8}$ " x 10G—83° R.H. ...	10	10	—	—	—
14	*W1060	Spoke, short 6" x 10G—80° R.H. ...	—	—	—	20	20
15	*W934	Spoke, short $6\frac{3}{8}$ " x 10G—94° R.H. ...	10	10	—	—	—
16	*W942	Spoke, short $7\frac{1}{8}$ " x 10G—81° R.H. ...	—	—	10	—	—
17	*W943	Spoke, short $7\frac{1}{8}$ " x 10G—96° R.H. ...	—	—	10	—	—
18	S79-2	Nipple, spoke ...	40	40	40	40	40
19	W573A	Hub ...	1	1	1	1	1
20	W940	Drum, brake ...	1	1	1	—	—
21	W1056	Drum, brake ...	—	—	—	1	1
22	W62	Bolt, brake drum to hub ...	8	8	8	8	8
23	SI-51	Nut, brake drum to hub ...	8	8	8	8	8
24	W63	Lockplate, drum nut ...	4	4	4	4	4
25	W578	Spindle, front wheel hub ...	1	1	1	1	1
26	W761	Sleeve and collar, spindle ...	1	1	1	1	1
27	W544	Nut, spindle ...	1	1	1	1	1
28	W545	Washer, spindle nut ...	1	1	1	1	1
29	W653	Bearing, front wheel hub ...	2	2	2	2	2
30	W581	Distance piece, bearing ...	1	1	1	1	1
31	W582	Ring nut, bearing retaining ...	1	1	1	1	1
32	W583	Cap, bearing dust ...	1	1	1	1	1

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

FRONT WHEEL BRAKE

33	W585	Plate, front brake anchor ...	1	1	1	—	—
34	W1073	Plate assembly, front brake anchor ...	—	—	—	1	1
35	W1059	Gauze, front brake anchor plate ...	—	—	—	1	1
36	D208-12	Peg, gauze securing ...	—	—	—	2	2
37	W588	Pin, front brake shoe fulcrum ...	1	1	1	—	—
38	W758	Pin, front brake shoe fulcrum ...	—	—	—	1	1
39	PO172A	Nut, fulcrum pin... ...	1	1	1	1	1
40	E2288	Washer, fulcrum pin ...	1	1	1	1	1

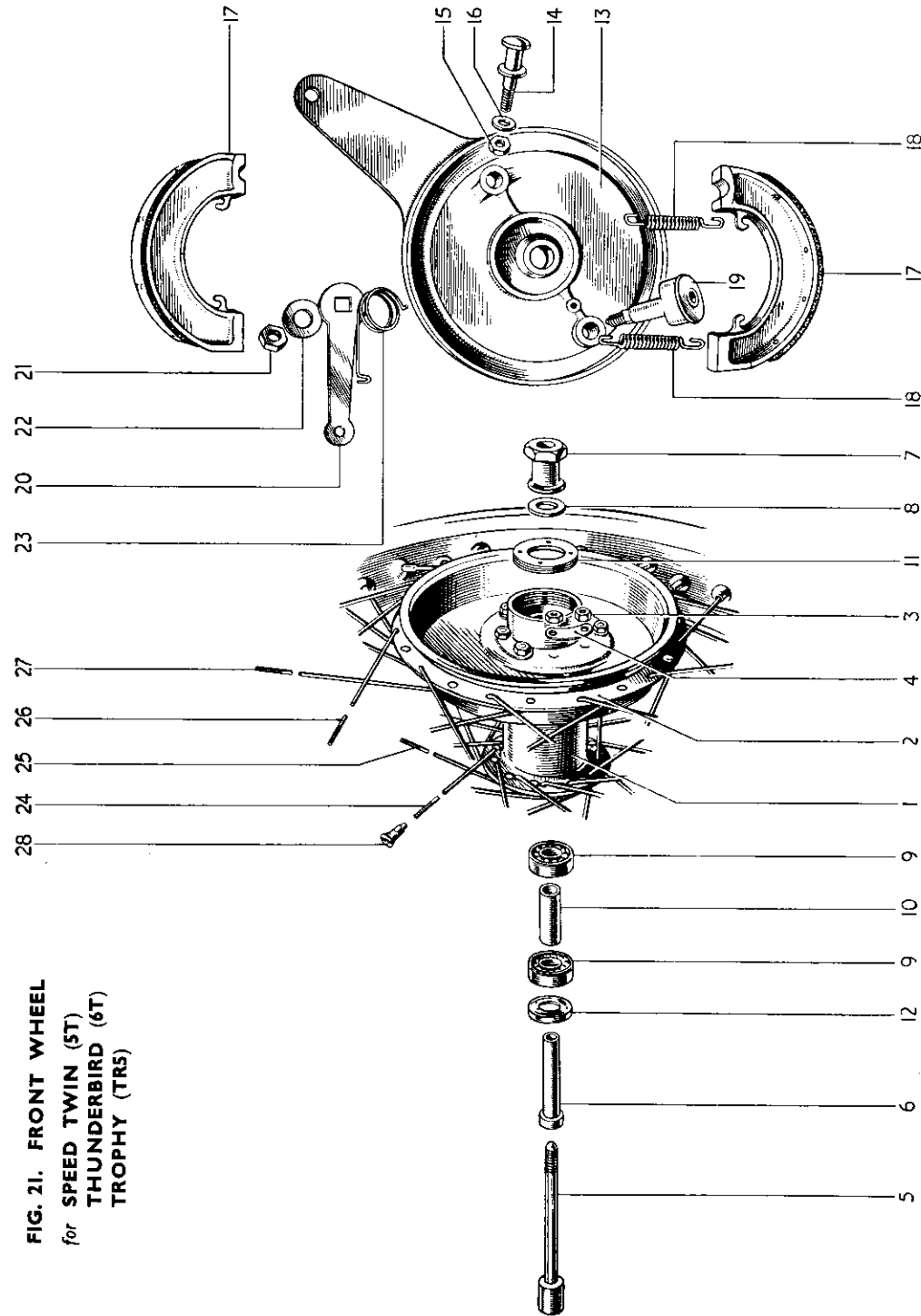


FIG. 21. FRONT WHEEL  
for SPEED TWIN (5T)  
THUNDERBIRD (6T)  
TROPHY (TR5)

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

FIG. 21 INDEX

Illust. No.	Part No.	Page No.	Ref. No.	Illust. No.	Part No.	Page No.	Ref. No.
1	W537A	65	19	15	PO172A	65	39
2	W940	65	20	16	E2288	65	40
3	SI-51	65	23	17	W93	67	1
4	W63	65	24	18	W135	67	7
5	W578	65	25	19	W386A	67	8
6	W761	65	26	20	W589	67	10
7	W544	65	27	21	SI-52	67	11
8	W545	65	28	22	S25-6	67	12
9	W653	65	29	23	W592	67	13
10	W581	65	30	24	W661	65	10
11	W582	65	31	25	W660	65	9
12	W583	65	32	26	W933	65	13
13	W585	65	33	27	W934	65	15
14	W588	65	37	28	S79-2	65	18

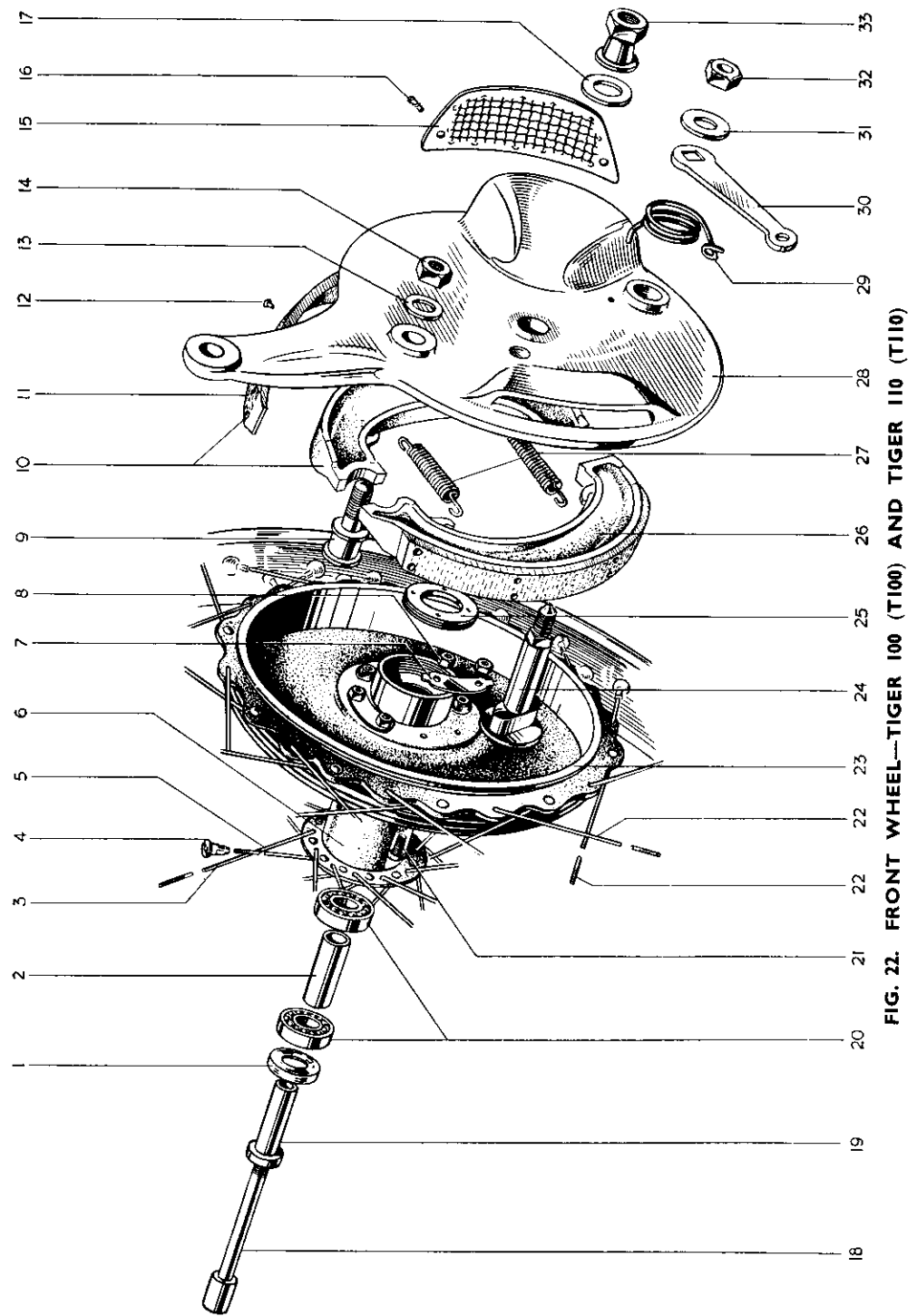


FIG. 22 INDEX

Illust. No.	Part No.	Page No.	Ref. No.
1	W538	65	32
2	W581	65	30
3	W661	65	10
4	S79-2	65	18
5	W660	65	9
6	W573A	65	19
7	W63	65	24
8	S1-51	65	23
9	W758	65	38
10	W1086	67	2
11	W631	67	5
12	W129	67	6
13	E2288	65	40
14	PO172A	65	39
15	W1059	65	35
16	D208-12	65	36
17	W545	65	28
18	W578	65	25
19	W761	65	26
20	W653	65	29
21	W62	65	22
22	W1060	65	14
23	W1056	65	21
24	W780	67	9
25	W582	65	31
26	W1087	67	3
27	W135	67	7
28	W1073	65	34
29	W592	67	13
30	W589	67	10
31	S25-6	67	12
32	S1-52	67	11
33	W544	65	27

REF. No.	PART No.	DESCRIPTION	5T	6T	TR5	T100	T110
<b>REAR WHEEL—GROUP 16</b>							
1	W949	Wheel, rear complete ... ..	1	1	1	1	1
2	W950	Wheel, rear complete ... ..	—	—	1	—	—
3	W1067	Wheel, rear complete ... ..	—	—	—	1	1
4	W860	Wheel, less internals and brake fittings ... ..	1	1	—	—	—
5	W889	Wheel, less internals and brake fittings ... ..	—	—	1	—	—
6	W1068	Wheel, less internals and brake fittings ... ..	—	—	—	1	1
7	W79A	Rim, rear wheel WM2-19 ... ..	1	1	—	1	1
8	W270A	Rim, rear wheel WM3-19 ... ..	—	—	1	—	—
9	*NW125	Spoke, 8 $\frac{3}{8}$ " x 9G—76° ... ..	20	20	20	10	10
10	*W107	Spoke, 8 $\frac{3}{8}$ " x 9G—80° ... ..	—	—	—	10	10
11	*NW125X	Spoke, 8 $\frac{3}{8}$ " x 9G—100° ... ..	20	20	20	10	10
12	*W107X	Spoke, 8 $\frac{3}{8}$ " x 9G—97° ... ..	—	—	—	10	10
13	TW5	Nipple, spoke ... ..	40	40	40	40	40
14	W861	Hub ... ..	1	1	1	—	—
15	W1017	Hub ... ..	—	—	—	1	1
16	W951	Sprocket and drum (46T) ... ..	1	1	1	1	1
17	W62	Bolt, sprocket and drum to hub ... ..	8	8	8	8	8
18	SI-51	Nut, sprocket and drum to hub ... ..	8	8	8	8	8
19	W63	Lockplate, sprocket and drum nut ... ..	8	8	8	8	8
20	W61	Spindle, rear wheel hub ... ..	1	1	1	—	—
21	W1025	Spindle, rear wheel hub ... ..	—	—	—	1	1
22	TS42	Nut, rear wheel spindle ... ..	2	2	2	—	—
23	FI747	Nut, rear wheel spindle ... ..	—	—	—	2	2
24	W7A	Bearing, rear wheel roller ... ..	2	2	2	—	—
25	W653	Bearing, rear wheel ball ... ..	—	—	—	2	2
26	NW225	Ring, bearing backing ... ..	2	2	2	—	—
27	W1022	Ring, bearing backing L.H. ... ..	—	—	—	1	1
28	W1023	Distance tube, bearing ... ..	—	—	—	1	1
29	W1021	Retaining Ring, bearing ... ..	—	—	—	1	1
30	W1079	Locking Screw, bearing retaining ring ... ..	—	—	—	1	1
31	W1024	Distance piece, L.H. bearing ... ..	—	—	—	1	1
32	W12	Cap, bearing dust ... ..	2	2	2	—	—
33	W583	Cap, bearing dust R.H. ... ..	—	—	—	1	1
34	W4	Nut, bearing adjusting lock ... ..	2	2	2	—	—
35	W1026	Nut, bearing retaining R.H. ... ..	—	—	—	1	1
36	W6	Collar chain adjuster thrust ... ..	2	2	2	—	—
37	W1012	Chain adjuster, rear wheel ... ..	—	—	—	2	2
38	W1015	End plate adjuster ... ..	—	—	—	2	2
39	W1058	Nut, adjuster endplate ... ..	—	—	—	2	2
40	DI06	Bolt, tyre security ... ..	1	1	1	1	1
41	WM3	Bolt, tyre security ... ..	—	—	—	1	1
* Supplied complete with nipple (TW5).							
<b>REAR WHEEL BRAKE</b>							
42	W762	Plate, rear brake anchor ... ..	1	1	1	—	—
43	W1081	Plate, rear brake anchor ... ..	—	—	—	1	1
44	W5	Locknut, rear brake anchor plate ... ..	2	2	2	—	—
45	W1092	Locknut, rear brake anchor plate ... ..	—	—	—	1	1
46	W93	Shoe assembly, rear with lining ... ..	2	2	2	2	2
47	NW243	Lining, rear brake shoe ... ..	2	2	2	2	2
48	W129	Rivet, brake shoe lining ... ..	16	16	16	16	16

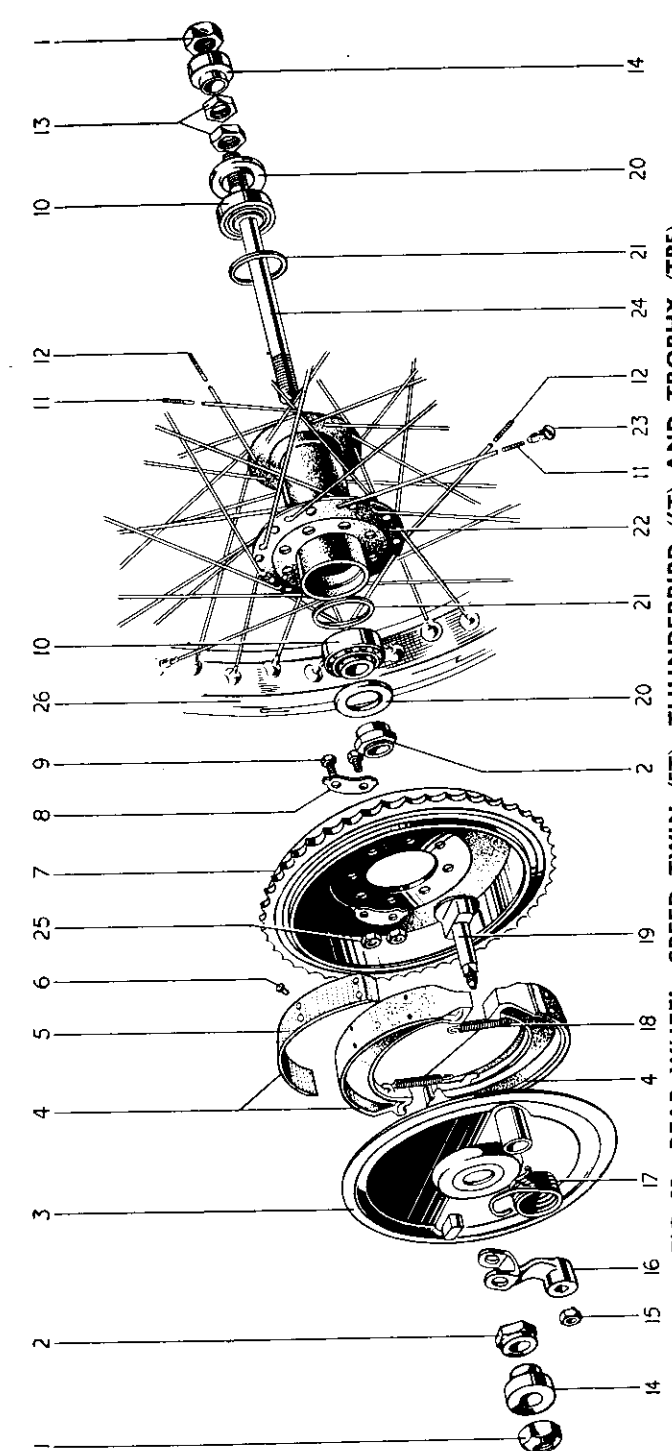


FIG. 23. REAR WHEEL—SPEED TWIN (5T), THUNDERBIRD (6T) AND TROPHY (TR5)

FIG. 23 INDEX

Illust. No.	Part No.	Page No.	Ref. No.
1	TS42	70	22
2	W5	70	44
3	W762	70	42
4	W93	70	46
5	NW243	70	47
6	W129	70	48
7	W951	70	16
8	W63	70	19
9	W62	70	17
10	W7A	70	24
11	NW125	70	9
12	NW125X	70	11
13	W4	70	34
14	W6	70	36
15	SI-52	74	6
16	W74A	74	4
17	W123	74	7
18	W135	74	1
19	W856	74	2
20	W12	70	32
21	NW225	70	26
22	W861	70	14
23	TW5	70	13
24	W61	70	20
25	SI-51	70	18
26	W79A	70	7

GROUP 16 – REAR WHEEL

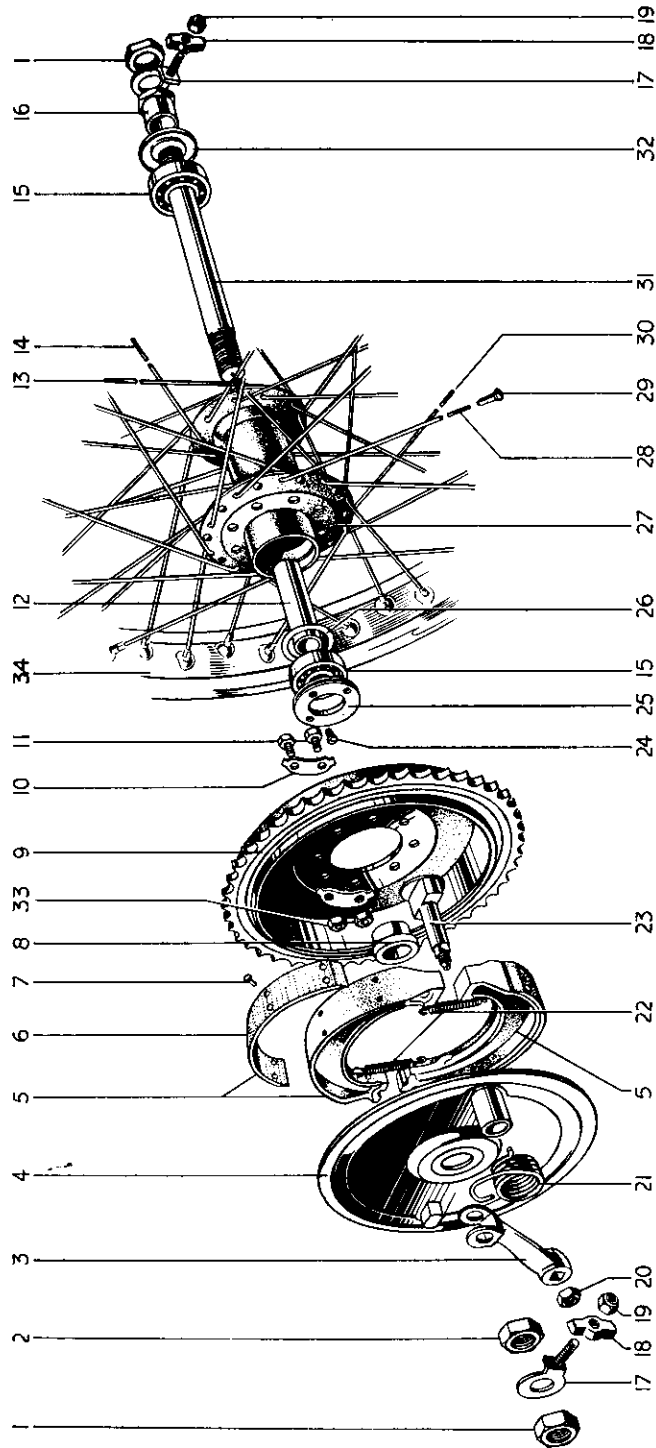


FIG. 24. REAR WHEEL—TIGER 100 (T100) AND TIGER 110 (T110)

FIG. 24 INDEX

Illust. No.	Part No.	Page No.	Ref. No.	Illust. No.	Part No.	Page No.	Ref. No.	Illust. No.	Part No.	Page No.	Ref. No.
1	F1747	70	23	13	W107	70	10	25	W1021	70	29
2	W1092	70	45	14	W107X	70	12	26	W1022	70	27
3	W1085	74	5	15	W653	70	25	27	W1017	70	15
4	W1081	70	43	16	W1026	70	35	28	NW125	70	9
5	W93	70	46	17	W1012	70	37	29	TW5	70	13
6	NW243	70	47	18	W1015	70	38	30	NW125X	70	11
7	W129	70	48	19	W1058	70	39	31	W1025	70	21
8	W1024	70	31	20	SI-52	74	6	32	W583	70	33
9	W951	70	16	21	W1090	74	8	33	SI-51	70	18
10	W63	70	19	22	W135	74	1	34	W79A	70	7
11	W62	70	17	23	W1083	74	3				
12	W1023	70	28	24	W1079	70	30				

REAR WHEEL (QUICKLY DETACHABLE) – GROUP 17

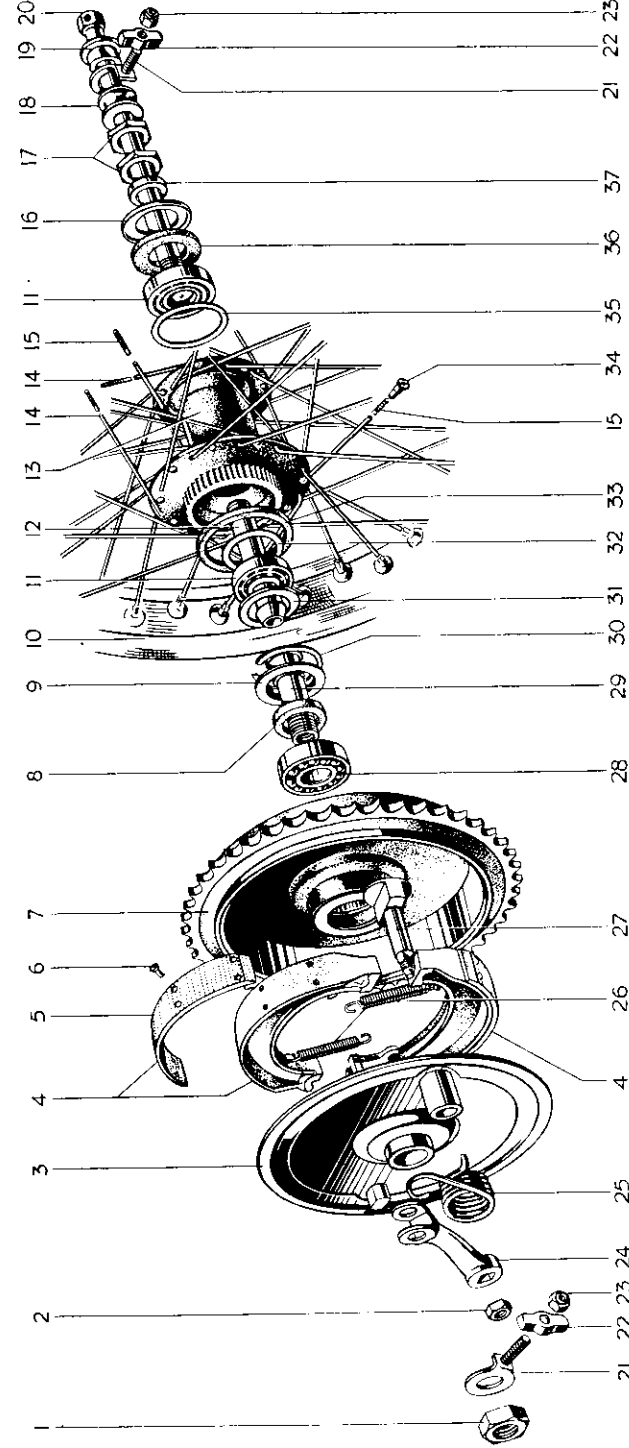


FIG. 25. REAR WHEEL (QUICKLY DETACHABLE) TIGER 100 (T100) AND TIGER 110 (T110)

FIG. 25 INDEX

Illust. No.	Part No.	Page No.	Ref. No.	Illust. No.	Part No.	Page No.	Ref. No.	Illust. No.	Part No.	Page No.	Ref. No.
1	W1052	74	34	14	NW125	74	12	27	W1083	74	39
2	SI-52	74	41	15	NW125X	74	13	28	W1041	74	26
3	W1047	74	38	16	W1038	74	21	29	W1045	74	30
4	W93	74	43	17	E398	74	23	30	W1044	74	29
5	NW243	74	44	18	W1053	74	35	31	W1035	74	18
6	W129	74	45	19	W1054	74	36	32	W1033	74	16
7	W1040	74	25	20	W1055	74	37	33	W1091	74	24
8	W1043	74	27	21	W1050	74	31	34	TW5	74	14
9	W79A	74	11	22	W1015	74	32	35	W1033	74	16
10	W1034	74	17	23	W1058	74	33	36	W1036	74	19
11	W1039	74	22	24	W1085	74	42	37	W1037	74	20
12	W1029	74	15	25	W123	74	40				
				26	W135	74	46				

**GROUP 16 – REAR WHEEL**  
**GROUP 17 – REAR WHEEL (QUICKLY DETACHABLE)**

REF. No.	PART No.	DESCRIPTION	5T	6T	TR5	T100	T110
1	W135	Spring, brake shoe return	2	2	2	2	2
2	W856	Cam assembly, rear brake	1	1	1	—	—
3	W1083	Cam assembly rear brake	—	—	—	1	1
4	W74A	Lever, rear brake cam	1	1	1	—	—
5	W1085	Lever, rear brake cam	—	—	—	1	1
6	SI-52	Nut, rear brake cam lever	1	1	1	1	1
7	W123	Spring, rear brake cam lever return	1	1	1	—	—
8	W1090	Spring, rear brake cam lever return	—	—	—	1	1

**REAR WHEEL (QUICKLY DETACHABLE)—GROUP 17**

9	W1027	Wheel, quickly detachable rear, cte.	—	—	—	1	1
10	W1028	Wheel, less internals and brake fittings	—	—	—	1	1
11	W79A	Rim, Q.D. rear wheel WM2-19	—	—	—	1	1
12	NW125	Spoke, 8 $\frac{3}{4}$ " x 9G—76°	—	—	—	10	10
13	NW125X	Spoke, 8 $\frac{3}{4}$ " x 9G—100°	—	—	—	30	30
14	TW5	Nipple, spoke	—	—	—	40	40
15	W1029	Hub	—	—	—	1	1
16	W1033	Backing ring, bearing	—	—	—	2	2
17	W1034	Bearing, taper roller	—	—	—	2	2
18	W1035	Dust cap, L.H. bearing	—	—	—	1	1
19	W1036	Felt washer, R.H. bearing	—	—	—	1	1
20	W1037	Distance piece, R.H. bearing	—	—	—	1	1
21	W1038	Dust cap, R.H. bearing	—	—	—	1	1
22	W1039	Sleeve, bearing and spindle	—	—	—	1	1
23	E398	Locknut, bearing and spindle sleeve	—	—	—	2	2
24	W1091	Sealing ring, driving flange and brake drum	—	—	—	1	1
25	W1040	Brake drum and sprocket 46T	—	—	—	1	1
26	W1041	Bearing, brake drum	—	—	—	1	1
27	W1042	Felt washer, brake drum bearing	—	—	—	1	1
28	W1043	Retainer, brake drum bearing	—	—	—	1	1
29	W1044	Circlip, brake drum bearing retainer	—	—	—	1	1
30	W1045	Sleeve, brake drum bearing	—	—	—	1	1
31	W1050	Adjuster, rear wheel, cte.	—	—	—	2	2
32	W1015	End plate, rear wheel adjuster	—	—	—	2	2
33	W1058	Nut, rear wheel adjuster	—	—	—	2	2
34	W1052	Nut, bearing sleeve L.H.	—	—	—	1	1
35	W1053	Distance collar, spindle	—	—	—	1	1
36	W1054	Collar, spindle	—	—	—	1	1
37	W1055	Spindle	—	—	—	1	1

**REAR WHEEL BRAKE**

38	W1047	Plate, brake anchor	—	—	—	1	1
39	W1083	Cam, brake	—	—	—	1	1
40	W123	Return spring, brake lever	—	—	—	1	1
41	SI-52	Nut, brake lever	—	—	—	1	1
42	W1085	Lever, brake	—	—	—	1	1
43	W93	Shoe, rear brake c/w lining	—	—	—	2	2
44	NW243	Lining, rear brake shoe	—	—	—	2	2
45	W129	Rivet, rear brake shoe	—	—	—	16	16
46	W135	Spring, rear brake shoe	—	—	—	2	2

**REAR SPRING WHEEL – GROUP 18**

REF. No.	PART No.	DESCRIPTION	5T	6T	TR5	T100	T110
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**REAR SPRING WHEEL—GROUP 18**

1	W925A	Wheel, rear spring, complete	1	1	—	—	—
2	W924A	Wheel, rear spring, complete	—	—	1	—	—
3	W643	Rim, rear spring wheel W2-19...	1	1	—	—	—
4	W894	Rim, rear spring wheel W3-18...	—	—	1	—	—
5	W644	Spoke	40	40	40	—	—
6	S79-2	Nipple, spoke	40	40	40	—	—
7	W905	Hub	1	1	1	—	—
8	W903	Drum, sprocket and brake	1	1	1	—	—
9	W641	Bolt, brake drum to hub	8	8	8	—	—
10	W642	Lockplate, brake drum bolt	4	4	4	—	—
11	F879	Nut, brake drum bolt	8	8	8	—	—
12	W897	Bearing, wheel	2	2	2	—	—
13	W904	Spacer ring, bearing L.H.	1	1	1	—	—
14	W909	End plate, hub	1	1	1	—	—
15	W744	Shim, end plate	9	9	9	—	—
16	W640	Bolt, end plate to hub shell	10	10	10	—	—
17	E2312	Washer, end plate to hub shell	10	10	10	—	—
18	F879	Nut, end plate to hub shell	10	10	10	—	—
19	W931	Plunger, guide box assembly	1	1	1	—	—
20	W906/7	Box, plunger guide	1	1	1	—	—
21	W935	Pad, front slipper (Convex)	2	2	2	—	—
22	W936	Pad, rear slipper (Concave)	2	2	2	—	—
23	W866	Shim, slipper pad .002" thick	—	—	—	As required	—
24	W867	Shim, slipper pad .003" thick	—	—	—	As required	—
25	W638	Screw, slipper pad	8	8	8	—	—
26	E1562	Bolt, plunger guide box (top rear and bottom front)	2	2	2	—	—
27	W932	Bolt, plunger guide box	4	4	4	—	—
28	E2312	Washer, plunger guide box bolt	6	6	6	—	—
29	SI-40	Nut, plunger guide box bolt	6	6	6	—	—
30	W895	Axle and guide assembly	1	1	1	—	—
31	W908	Roller, slipper	2	2	2	—	—
32	W766	Sleeve, slipper roller distance L.H.	1	1	1	—	—
33	W837	Spring, inner main	1	1	1	—	—
34	W836	Spring, outer main	1	1	1	—	—
35	W890	Spring, rebound	1	1	1	—	—
36	W941	Plate, spring locator	2	2	2	—	—
37	W658A	Buffer, spring (rubber)	2	2	2	—	—
38	W639	Lever, axle shaft anchorage	1	1	1	—	—
39	W634	Circlip, axle shaft split	2	2	2	—	—
40	W798	Collar, axle shaft distance R.H.	1	1	1	—	—
41	W633	Collar, axle shaft outer	2	2	2	—	—
42	W635	Nut, axle shaft	2	2	2	—	—
43	W901	Cover, dust excluder L.H.	1	1	1	—	—
44	H687	Screw, dust excluder cover	2	2	2	—	—
45	G5299	Washer, dust excluder cover	2	2	2	—	—
46	W849	Cover, dust excluder R.H.	1	1	1	—	—
47	W898	Plate, dust excluder	2	2	2	—	—
48	W799	Spring, dust excluder plate	2	2	2	—	—
49	W900	Sleeve, dust excluder plate centre	2	2	2	—	—
50	D106	Bolt, tyre security	1	1	1	—	—

GROUP 18 – REAR SPRING WHEEL

REAR SPRING WHEEL – GROUP 18

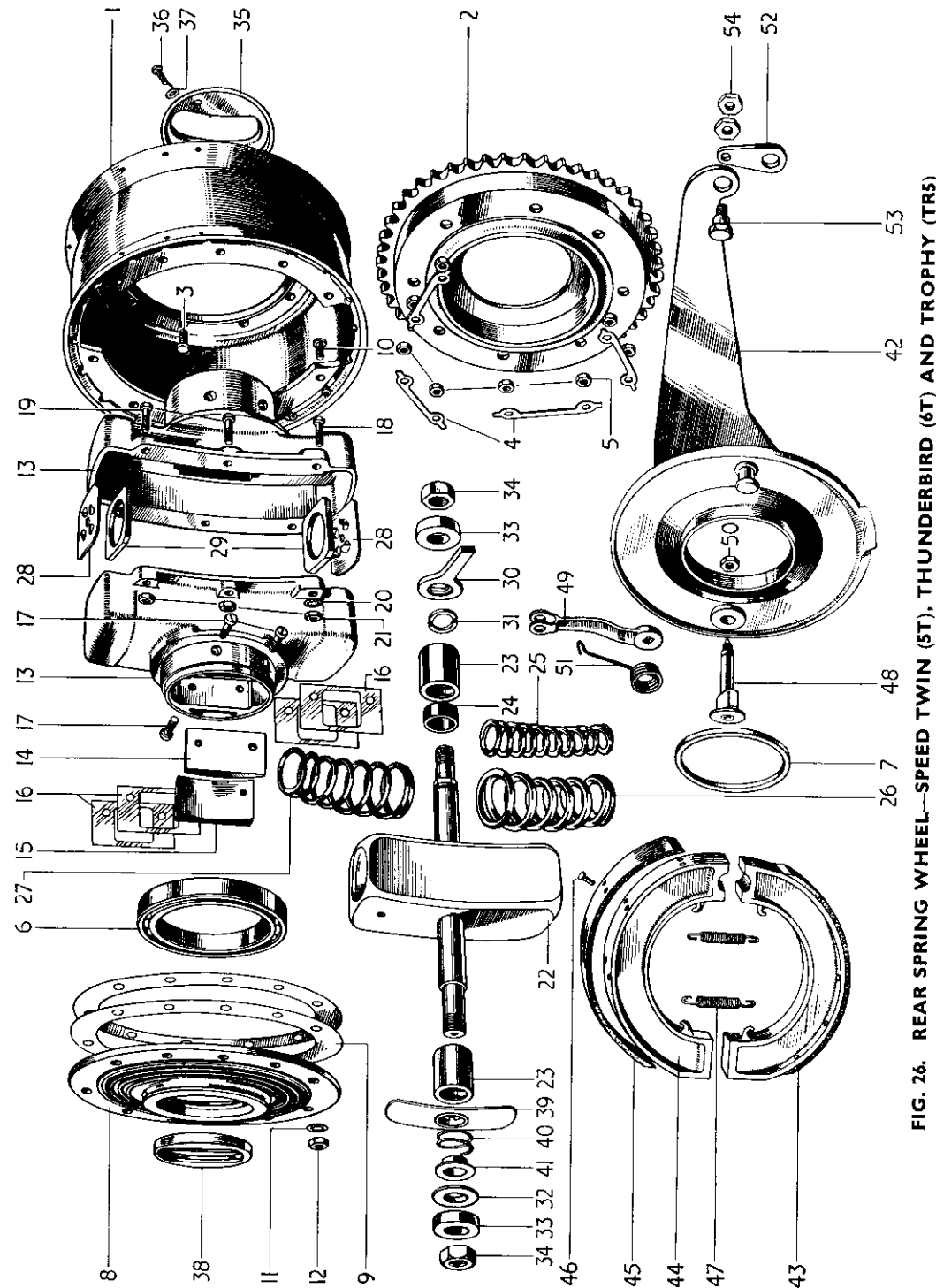


FIG. 26. REAR SPRING WHEEL—SPEED TWIN (5T), THUNDERBIRD (6T) AND TROPHY (TR5)

REF. No.	PART No.	DESCRIPTION	5T	6T	TR5	T100	T110
<b>SPRING WHEEL BRAKE</b>							
1	W920A	Plate, brake anchor	—	—	—	—	—
2	W921A	Plate, brake anchor	—	—	—	—	—
3	W911	Shoe, c w lining leading brake	—	—	—	—	—
4	W912	Shoe, c w lining trailing brake	—	—	—	—	—
5	W631	Lining, brake	2	2	2	—	—
6	W129	Rivet, brake shoe lining	16	16	16	—	—
7	W135	Spring, brake shoe return	2	2	2	—	—
8	W915	Cam, brake operating	—	—	—	—	—
9	W74A	Lever, brake operating	—	—	—	—	—
10	SI-52	Nut, brake operating lever	—	—	—	—	—
11	W123	Spring, brake operating lever return	—	—	—	—	—
12	W626	Link, brake anchorage	—	—	—	—	—
13	W855	Link, brake anchorage	—	—	—	—	—
14	W784	Bolt, brake anchorage	—	—	—	—	—
15	W630	Nut, brake anchorage bolt	2	2	2	—	—
16	W743	Nut, brake anchorage to spindle	—	—	—	—	—
17		$\frac{3}{32}$ " x 1" split pin, for W743 nut	—	—	—	—	—
18	FI015C	Rod, brake operating	—	—	—	—	—
19	FI015B	Rod, brake operating	—	—	—	—	—

FIG. 26 INDEX

Illust. No.	Part No.	Page No.	Ref. No.	Illust. No.	Part No.	Page No.	Ref. No.
1	W905	75	7	29	W658A	75	37
2	W903	75	8	30	W639	75	38
3	W641	75	9	31	W634	75	39
4	W642	75	10	32	W798	75	40
5	F879	75	11	33	W633	75	41
6	W897	75	12	34	W635	75	42
7	W904	75	13	35	W901	75	43
8	W909	75	14	36	H687	75	44
9	W744	75	15	37	GS299	75	45
10	W640	75	16	38	W849	75	46
11	E2312	75	17	39	W898	75	47
12	F879	75	18	40	W799	75	48
13	W906 7	75	20	41	W900	75	49
14	W935	75	21	42	W920A	77	1
15	W936	75	22		W921A	77	2
16	W866	75	23	43	W911	77	3
	W867	75	24	44	W912	77	4
17	W638	75	25	45	W631	77	5
18	E1562	75	26	46	W129	77	6
19	W932	75	27	47	W135	77	7
20	E2312	75	28	48	W915	77	8
21	SI-40	75	29	49	W74A	77	9
22	W895	75	30	50	SI-52	77	10
23	W908	75	31	51	W123	77	11
24	W766	75	32	52	W626	77	12
25	W837	75	33		W855	77	13
26	W836	75	34	53	W784	77	14
27	W890	75	35	54	W630	77	15
28	W941	75	36				

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

MUDGUARD—GROUP 19

FRONT MUDGUARD

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

FIG. 27 INDEX

Illust. No.	Part No.	Page No.	Ref. No.	Illust. No.	Part No.	Page No.	Ref. No.
1	H556	78	1	25	H532	80	34
2	H716	78	2	26	H533	80	35
3	H569	78	3	27	DS57	80	36
4	H719	78	4	28	F879	80	37
5	H532	78	5	29	F2717	80	39
6	H533	78	6	30	PF204	80	40
7	DS57	78	7	31	F444	80	41
8	F879	78	9	32	S23-42	80	42
9	H427	78	10	33	E1720	81	15
10	H717	78	11	34	S26-2	81	16
11	H532	78	12	35	F2698	81	21
12	H533	78	13	36	F2996	81	22
13	DS57	80	1	37	F879	81	25
14	F879	80	3	38	S26-2	81	27
15	F2756	80	22	39	H251	81	28
16	F3012	80	23	40	F3363	81	29
17	F2998	80	25	41	F929	81	30
18	F2763	80	27	42	S1-51	81	31
19	F2761	80	26	43	D274	81	33
20	F2764	80	28	44	F3629	80	24
21	F2999	80	29	45	F3601	81	17
22	F3001	80	30	46	DS57	81	18
23	F2335	80	31	47	F879	81	19
24	S1-51	80	33				

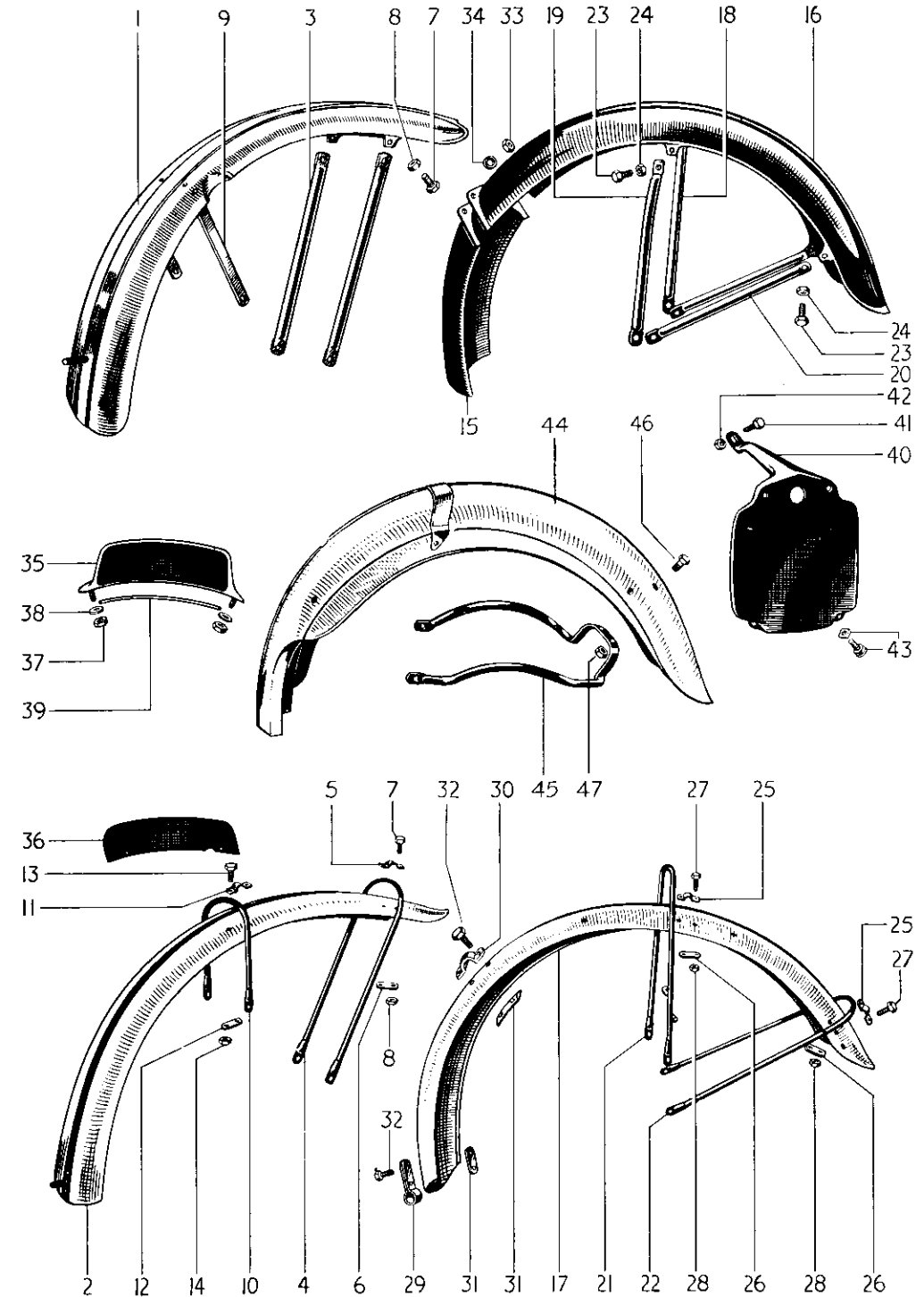


FIG. 27. FRONT AND REAR MUDGUARDS



**GROUP 19 – MUDGUARD**

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

**FRONT MUDGUARD (VALANCED) Alternative Equipment**

14	H768	Valanced front mudguard assembly less front stays	1	1	—	1	1
15	H770	Blade only, valanced front mudguard	1	1	—	1	1
16	H772	Stay, valanced front mudguard...	1	1	—	1	1
17	H427	Bridge, mudguard support	1	1	—	1	1
18	DS57	Bolt, licence holder securing	1	1	—	1	1
19	S25-1	Washer, licence holder securing bolt	1	1	—	1	1
20	F879	Nut, licence holder securing bolt	1	1	—	1	1

**LICENCE HOLDER**

21	D261	Licence holder, etc.	1	1	1	1	1
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**REAR MUDGUARD**

22	F2756	Mudguard, front section	1	1	—	—	—
23	F3012	Mudguard, rear section	1	1	—	—	—
24	F3629	Mudguard assembly, cte.	—	—	—	1	1
25	F2998	Blade only, mudguard rear	—	—	1	—	—
26	F2761	Stay, mudguard centre L.H.	1	1	—	—	—
27	F2763	Stay, mudguard centre R.H.	1	1	—	—	—
28	F2764	Stay, mudguard rear	2	2	—	—	—
29	F2999	Stay, mudguard centre	—	—	1	—	—
30	F3001	Stay, mudguard rear	—	—	1	—	—
31	F2335	Bolt, stay to mudguard	4	4	—	—	—
32	E2287	Washer, stay to mudguard bolt	4	4	—	—	—
33	SI-51	Nut, stay to mudguard bolt	4	4	—	—	—
34	H532	Clip, centre and rear stay	—	—	4	—	—
35	H533	Backing strip, clip	—	—	4	—	—
36	DS57	Bolt, clip to mudguard	—	—	8	—	—
37	F879	Nut, clip to mudguard bolt	—	—	8	—	—
38	E1612	Washer, clip to mudguard bolt	—	—	8	—	—
39	F2717	Clip, mudguard to frame lower	—	—	1	—	—
40	PF204	Clip, mudguard to frame lower	1	1	1	—	—
41	F444	Backing plate for PF204 slip	1	1	2	—	—
42	S23-42	Bolt, clip and backing plate	2	2	4	—	—

REF. No.	PART No.	DESCRIPTION	5T	6T	TR5	T100	T110
1	S25-1	Washer, clip and backing plate	2	2	4	—	—
2	F3599	Bracket, mudguard to rear engine plates	—	—	—	1	1
3	W62	Bolt, mudguard bracket to rear engine plates	—	—	—	2	2
4	SI-51	Nut, mudguard bracket bolt	—	—	—	2	2
5	S26-3	Washer, mudguard bracket bolt	—	—	—	2	2
6	DS57	Bolt, mudguard to bracket	—	—	—	2	2
7	F879	Nut, mudguard to bracket bolt	—	—	—	2	2
8	S26-2	Washer, mudguard to bracket bolt	—	—	—	2	2
9	F3632	Bolt, mudguard to frame	—	—	—	2	2
10	SI-51	Nut, mudguard to frame bolt	—	—	—	2	2
11	S26-3	Washer, mudguard to frame bolt	—	—	—	2	2
12	E579	Bolt, mudguard stay to frame	2	2	—	—	—
13	F1031	Bolt, mudguard stay to frame	—	—	2	—	—
14	S25-2	Washer, mudguard stay to frame bolt	2	2	2	—	—
15	E1720	Nut, frame to rear section mudguard stud	2	2	—	—	—
16	S26-2	Washer, frame to rear section mudguard stud	2	2	—	—	—
17	F3601	Lifting handle, rear	—	—	—	1	1
18	DS57	Bolt, lifting handle to mudguard	—	—	—	2	2
19	F879	Nut, lifting handle bolt	—	—	—	2	2
20	S26-2	Washer, lifting handle bolt	—	—	—	2	2

**NUMBER PLATE—GROUP 20**

**FRONT NUMBER PLATE**

21	F2698	Plate assembly, number	1	1	—	1	1
22	F2996	Plate number	—	—	1	—	—
23	H741	Clip, plate to mudguard c/w nut and bolt	—	—	2	—	—
24	H687	Screw, plate to clip	—	—	2	—	—
25	F879	Nut, plate stud	2	2	—	2	2
26	H745	Nut, plate clip screw	—	—	2	—	—
27	S26-2	Washer, stud	2	2	—	2	2
28	H251	Beading, plate (rubber)	1	1	—	1	1

**REAR NUMBER PLATE**

29	F3363	Plate, rear number	1	1	1	1	1
30	F929	Bolt, rear number plate top	1	1	1	1	1
31	SI-51	Nut, rear number plate top bolt	1	1	1	1	1
32	S26-3	Washer, number plate top bolt	1	1	1	1	1
33	D274	Reflector, c w nut	2	2	2	2	2
34	S25-13	Washer, reflector spring	2	2	2	2	2
35	D68	Transfer, number plate (gold and white)	1	1	1	1	1

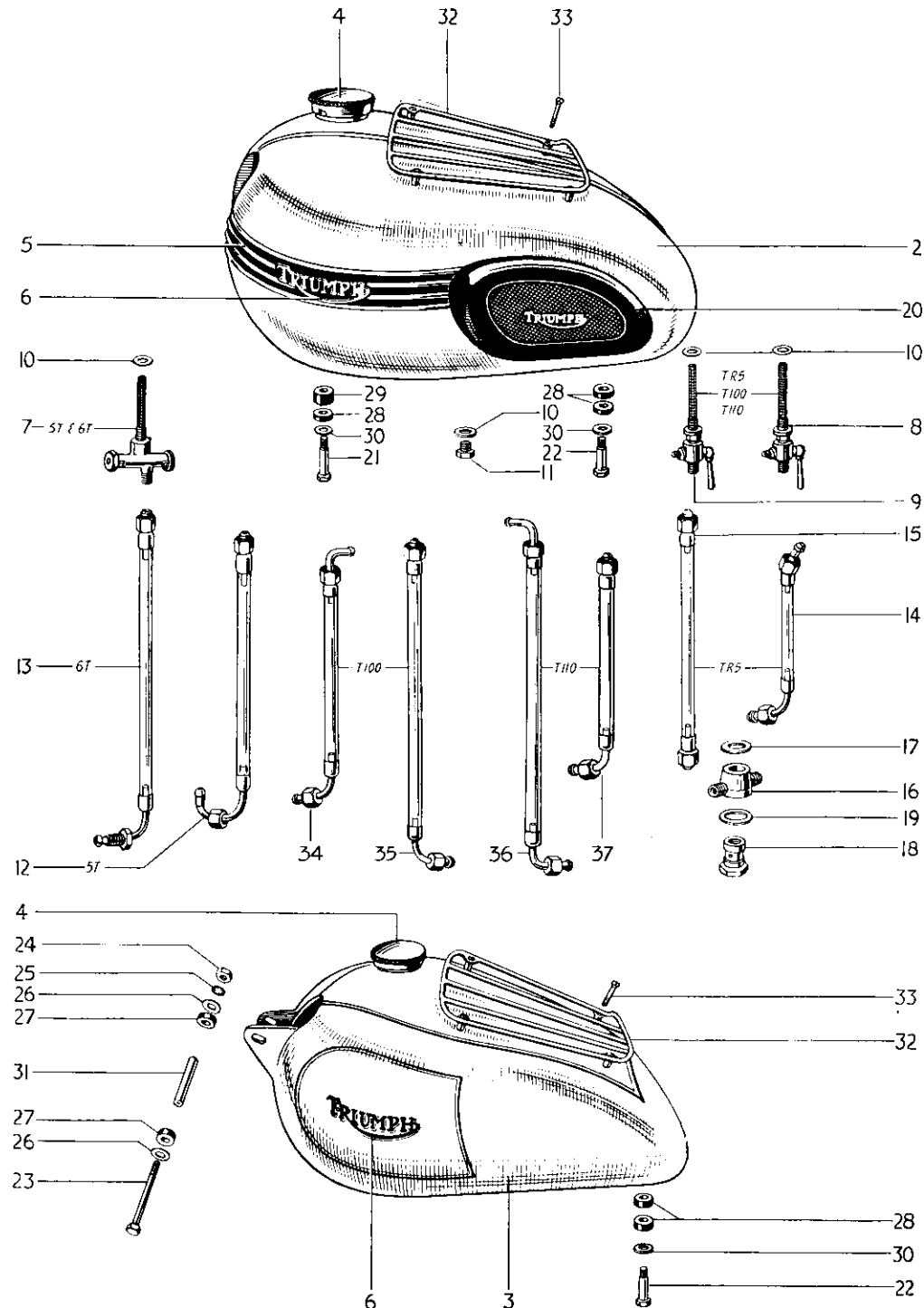


FIG. 28. PETROL TANKS AND FITTINGS

REF. No.	PART No.	DESCRIPTION	5T	6T	TR5	T100	T110
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PETROL AND OIL TANK—GROUP 21

PETROL TANK

1	F3280PR	Tank, petrol ... ..	1	—	—	—	—
2	F3280TM	Tank, petrol ... ..	—	1	—	—	—
3	F3185	Tank, petrol ... ..	—	—	1	—	—
4	F3280BS	Tank, petrol ... ..	—	—	—	1	1
5	F3360	Tank, petrol (Export) ... ..	—	—	—	1	1
6	F3220	Cap, petrol tank filler ... ..	1	1	1	1	1
7	F3281	Band, petrol tank styling L.H. ... ..	1	1	—	1	1
8	F3282	Band, petrol tank styling R.H. ... ..	1	1	—	1	1
9	F3083	Band, petrol tank styling L.H. (Export) ... ..	—	—	—	1	1
10	F3084	Band, petrol tank styling R.H. (Export) ... ..	—	—	—	1	1
11	F1823A	Nameplate, petrol tank ... ..	2	—	—	—	—
12	F1823H	Nameplate, petrol tank ... ..	—	2	—	—	—
13	F1823J	Nameplate, petrol tank ... ..	—	—	2	—	—
14	F1823F	Nameplate, petrol tank ... ..	—	—	—	2	2
15	F3113	Screw, nameplate ... ..	4	4	—	4	4
16	F1915	Screw, nameplate ... ..	—	—	4	—	—

FIG. 28 INDEX

Illust. No.	Part No.	Page No.	Ref. No.	Illust. No.	Part No.	Page No.	Ref. No.
2	F3280PR	83	1	18	F2959	84	17
	F3280TM	83	2	19	F2570	84	18
	F3280BS	83	4	20	F2551 (L.H.)	84	19
3	F3185	83	3		F2552 (R.H.)	84	20
4	F3220	83	6	21	F1808	84	27
5	F3281 (L.H.)	83	7	22	F966	84	28
	F3282 (R.H.)	83	8	23	F3007	84	29
6	F1823A	83	11	24	S1-51	84	30
	F1823H	83	12	25	F2287	84	31
	F1823J	83	13	26	S25-3	84	32
	F1823F	83	14	27	F3006	84	33
7	F1717	84	1	28	F967	84	34
8	F3057	84	2	29	F1813	84	35
9	F3116	84	3	30	S25-27	84	36
10	F1511	84	4	31	F3005	84	37
11	F3329	84	5	32	F2933	84	38
12	F3341	84	7	33	F2936	84	39
13	F3332	84	8	34	F3668	84	11
14	F3343	84	9	35	F3672	84	12
15	F3349	84	10	36	F3670	84	13
16	F2958	84	15	37	F3674	84	14
17	GS367	84	16				

REF. No.	PART No.	DESCRIPTION	5T	6T	TR5	T100	T110
1	F1717	Tap, petrol feed	1	1	—	—	—
2	F3057	Tap, petrol feed L.H.	—	—	1	1	1
3	F3116	Tap, petrol feed R.H. (reserve)	—	—	1	1	1
4	F1511	Washer, petrol tap	—	—	2	2	2
5	F3329	Plug, petrol tank...	1	1	—	—	—
6	F1511	Washer, petrol tank plug	1	1	—	—	—
7	F3341	Pipe, petrol feed	—	—	—	—	—
8	F3332	Pipe, petrol feed	—	—	—	—	—
9	F3343	Pipe, petrol feed L.H.	—	—	1	—	—
10	F3349	Pipe, petrol feed R.H.	—	—	1	—	—
11	F3668	Pipe, petrol feed L.H.	—	—	—	1	—
12	F3672	Pipe, petrol feed R.H.	—	—	—	1	—
13	F3670	Pipe, petrol feed L.H.	—	—	—	—	1
14	F3674	Pipe, petrol feed R.H.	—	—	—	—	1
15	F2958	Adaptor, carburetter to petrol pipe	—	—	1	—	—
16	GS367	Washer, adaptor to carburetter	—	—	1	—	—
17	F2959	Sleeve nut, adaptor	—	—	1	—	—
18	F2570	Washer, sleeve nut	—	—	1	—	—
19	F2551	Pad, knee grip L.H.	1	1	—	1	1
20	F2552	Pad, knee grip R.H.	1	1	—	1	1
21	F1606	Pad, knee grip L.H. (Export)	—	—	—	1	1
22	F1605	Pad, knee grip R.H. (Export)	—	—	—	1	1
23	F1607	Plate, knee grip insert (Export) L.H.	—	—	—	1	1
24	F1607A	Plate, knee grip insert (Export) R.H.	—	—	—	1	1
25	T361	Bolt, knee grip insert (Export) plate	—	—	—	4	4
26	F1953	Screw, knee grip pad	4	4	—	4	4
27	F1808	Bolt, petrol tank fixing (front)	2	2	—	2	2
28	F966	Bolt, petrol tank fixing (rear)	2	2	2	2	2
29	F3007	Bolt, petrol tank to frame (front)	—	—	1	—	—
30	SI-51	Nut, petrol tank to frame bolt	—	—	1	—	—
31	E2287	Washer, petrol tank to frame bolt	—	—	1	—	—
32	S25-3	Washer, petrol tank to frame bolt (plain)	—	—	1	—	—
33	F3006	Pad, petrol tank front rubber	—	—	2	—	—
34	F967	Pad, petrol tank rubber	6	6	4	6	6
35	F1813	Pad, petrol tank rubber front	2	2	—	2	2
36	S25-27	Washer, petrol tank bolt plain	4	4	2	4	4
37	F3005	Distance tube, tank front	—	—	1	—	—

TANK PARCEL GRID

38	F2933	Grid, tank parcel	1	1	1	1	1
39	F2936	Screw, tank parcel grid	4	4	4	4	4
40	*F3026	Plug, petrol tank grid	4	4	4	4	4

\*To replace F2936 when grid is not in use.

OIL TANK

41	F3321	Tank, oil	1	1	—	—	—
42	F3186	Tank, oil	—	—	1	—	—
43	F3591	Tank, oil	—	—	—	1	1

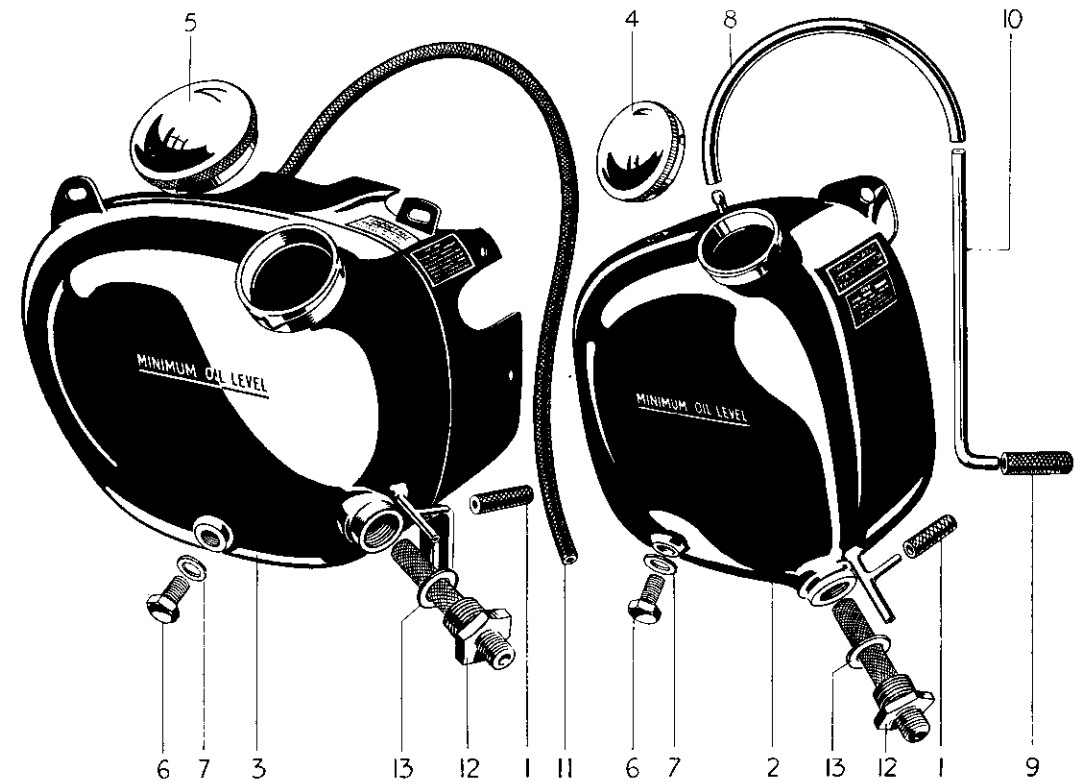


FIG. 29. OIL TANKS

FIG. 29 INDEX

Illust. No.	Part No.	Page No.	Ref. No.	Illust. No.	Part No.	Page No.	Ref. No.
1	E3383	36	7	8	F3734	86	5a
2	F3321	84	41	9	F3077	86	5
	F3186	84	42	10	T1225	86	6
3	F3591	84	43		T1027	86	7
4	F3216	86	1	11	T1203	86	8
5	F3658	86	2	12	F3179	86	25
6	E1792	86	3	13	F1713	86	26
7	PT104B	86	4				

REF. No.	PART No.	DESCRIPTION	5T	6T	TR5	T100	T110
1	F3216	Cap, oil tank filler					
2	F3658	Cap, oil tank filler					
3	E1792	Plug, oil tank drain					
4	PT104B	Washer, oil tank drain plug					
5	F3077	Connection, oil tank vent (rubber)					
5a	F3734	Connection, oil tank vent (rubber)			2		
6	T1225	Pipe, oil tank vent (steel)					
7	T1027	Pipe, oil tank vent (steel)					
8	T1203	Pipe, oil tank vent (flexible)					
9	F929	Bolt, oil tank to bridge clip					
10	H604	Bolt, oil tank to bridge clip					
11	F3207	Distance piece, bridge clip bolt					
12	F2398	Bolt, oil tank to seat tube clip					
13	F3323	Distance piece, seat tube bolt					
14	F1682	Stud, oil tank to seat tube					
15	F3641	Stud, oil tank to seat tube					
16	SI-51	Nut, oil tank to seat tube stud					
17	F1008	Nut, oil tank to seat tube stud					
18	S26-3	Washer, oil tank to seat tube stud					
19	D57	Bolt, tank to mudguard					
20	F879	Nut, tank to mudguard					
21	E1612	Washer, tank to mudguard					
22	F1213	Bolt, tank to backstay bracket					
23	SI-51	Nut, tank to backstay bracket bolt					
24	S26-3	Washer, tank to backstay bracket bolt					
25	F3179	Filter, oil tank					
26	F1713	Washer, oil tank filter					
27	F3189	Pipe, top half oil feed					
28	F3655	Pipe, top half oil feed					
29	F3182	Union nut, feed pipe					
30	E1526	Pipes and block, oil tank to engine					
31	E2799	Pipes and block, oil tank to engine					
32	E3353	Pipe, oil feed (flexible)					
33	E3354	Pipe, oil return (flexible)					
34	E3355	Junction block, oil pipes to engine					
35	E1529	Washer, oil pipe block joint					
36	SI-51	Nut, oil pipe block securing					
37	S25-3	Washer, oil pipe block securing nut					
38	MF119	Connection, oil pipe rubber (long)					
39	MF119A	Connection, oil pipe rubber (short)					

For securing bolt, nut and washer, oil tank to rear engine plates T110 and T100 see Rear Mudguard Group page 81, Refs. 3, 4 and 5.

REF. No.	PART No.	DESCRIPTION	5T	6T	TR5	T100	T110
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CHAINGUARD—GROUP 22

REAR CHAINGUARD UPPER

1	T766	Chainguard, rear upper					
2	T891	Chainguard, rear assembly (rigid wheel)					
3	T891A	Chainguard, rear assembly (spring wheel)					
4	F3570	Chainguard, rear...					
5	F3174	Distance piece, chainguard to frame					
6	DS57	Bolt, chainguard rear upper					
7	S23-37	Bolt, chainguard front upper					
8	DS57	Bolt, chainguard front upper					
9	S25-1	Washer, chainguard bolt front and rear					
10	S26-2	Washer, chainguard bolt					
11	E2615	Bolt, chainguard to frame inner					
12	E2288	Washer, chainguard to frame bolt					

REAR CHAINGUARD LOWER

13	F1730	Chainguard, rear lower					
14	F1369	Bolt, chainguard lower front					
15	F879	Nut, chainguard lower front bolt					
16	S26-2	Washer, chainguard lower front bolt					
17	*F1760	Bolt, chainguard lower rear					
18	*SI-52	Nut, chainguard lower rear bolt					
19	*E1796	Bolt, distance piece to pillion footrest lug					
20	*S25-2	Washer, distance piece to pillion footrest lug					

\*Not required when pillion footrests are fitted.

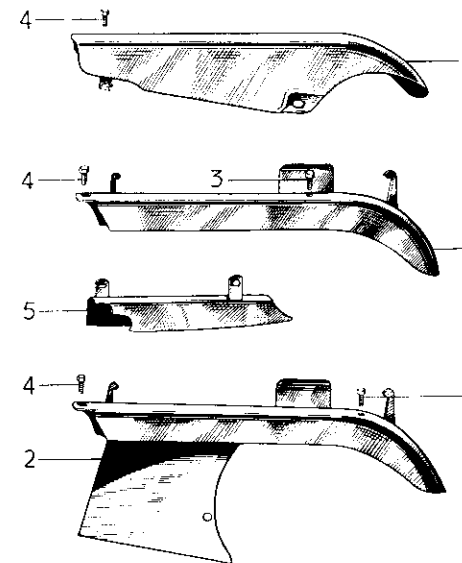


FIG. 30. CHAINGUARDS

INDEX

Illust. No.	Part No.	Page No.	Ref. No.
1	T766	87	1
2	T891	87	2
	T891A	87	3
3	DS57	87	6
4	S23-37	87	7
5	F1730	87	13
6	F3570	87	4

REF. No.	PART No.	DESCRIPTION	5T	6T	TR5	T100	T110
<b>PRIMARY CHAINCASE—GROUP 23</b>							
1	T1056	Cover, chaincase outer ...	1	1	—	—	—
2	T478A	Cover, chaincase outer ...	—	—	1	—	—
3	T1190	Cover, chaincase outer ...	—	—	—	1	1
4	T991	Cover, chaincase outer inspection	1	1	—	—	—
5	T990	Washer, chaincase outer inspection	1	1	—	—	—
6	H687	Screw, chaincase outer inspection	3	3	—	—	—
7	GS299	Washer, chaincase outer screw	3	3	—	—	—
8	T1055	Cover, chaincase inner ...	1	1	—	—	—
9	T1029	Cover, chaincase inner ...	—	—	1	—	—
10	T1186	Cover, chaincase inner ...	—	—	—	1	1
11	E1579	Dowel, chaincase inner ...	1	1	—	—	—
12	T1058	Hollow dowel, chaincase inner	1	1	—	—	—
13	T1059	Sleeve, chaincase inner (Rubber)	1	1	—	—	—
14	NT367	Plug, chaincase oil filler	1	1	1	1	1
15	NT376	Washer, chaincase oil filler plug	1	1	1	1	1
16	PCE102F	Plug, chaincase oil drain	1	1	1	1	1
17	WE170	Washer, chaincase oil drain plug	1	1	1	1	1
18	NT316	Dowel, chaincase to footrest	2	2	2	2	2
19	T1031	Plate, chaincase oil retainer	1	1	1	1	1
20	T91	Plate, chaincase oil retainer spring	1	1	1	1	1
21	T177A	Rivet, chaincase oil retainer plate	2	2	2	2	2
22	T496	Adjuster, rear chain oiler	1	1	1	1	1
23	T497	Spring, rear chain oiler ...	1	1	1	1	1
24	T1057	Washer, chaincase joint...	1	1	—	—	—
25	T503	Washer, chaincase joint...	—	—	1	—	—
26	T1189	Washer, chaincase joint...	—	—	—	1	1
27	E427	Screw, chaincase cover (short)	13	13	15	8	8
28	E2691	Screw, chaincase cover (long)	—	—	—	3	3
29	T667	Screw, chaincase cover (front)	3	3	—	—	—

FIG. 31 INDEX

Illust. No.	Part No.	Page No.	Ref. No.	Illust. No.	Part No.	Page No.	Ref. No.
1	T1056	88	1	13	PCE102F	88	16
2	T1190	88	3	14	WE170	88	17
	T478A	88	2	15	NT316	88	18
3	T991	88	4	16	T1031	88	19
4	T990	88	5	17	T91	88	20
5	H687	88	6	18	T496	88	22
6	GS.299	88	7	19	T497	88	23
7	T1055	88	8	20	T1057	88	24
8	T1186	88	10	21	T1189	88	26
9	T1029	88	9	22	T503	88	25
9	E1579	88	11	22	E427	88	27
10	T1058	88	12	23	E2691	88	28
11	NT367	88	14	24	T667	88	29
12	NT376	88	15				

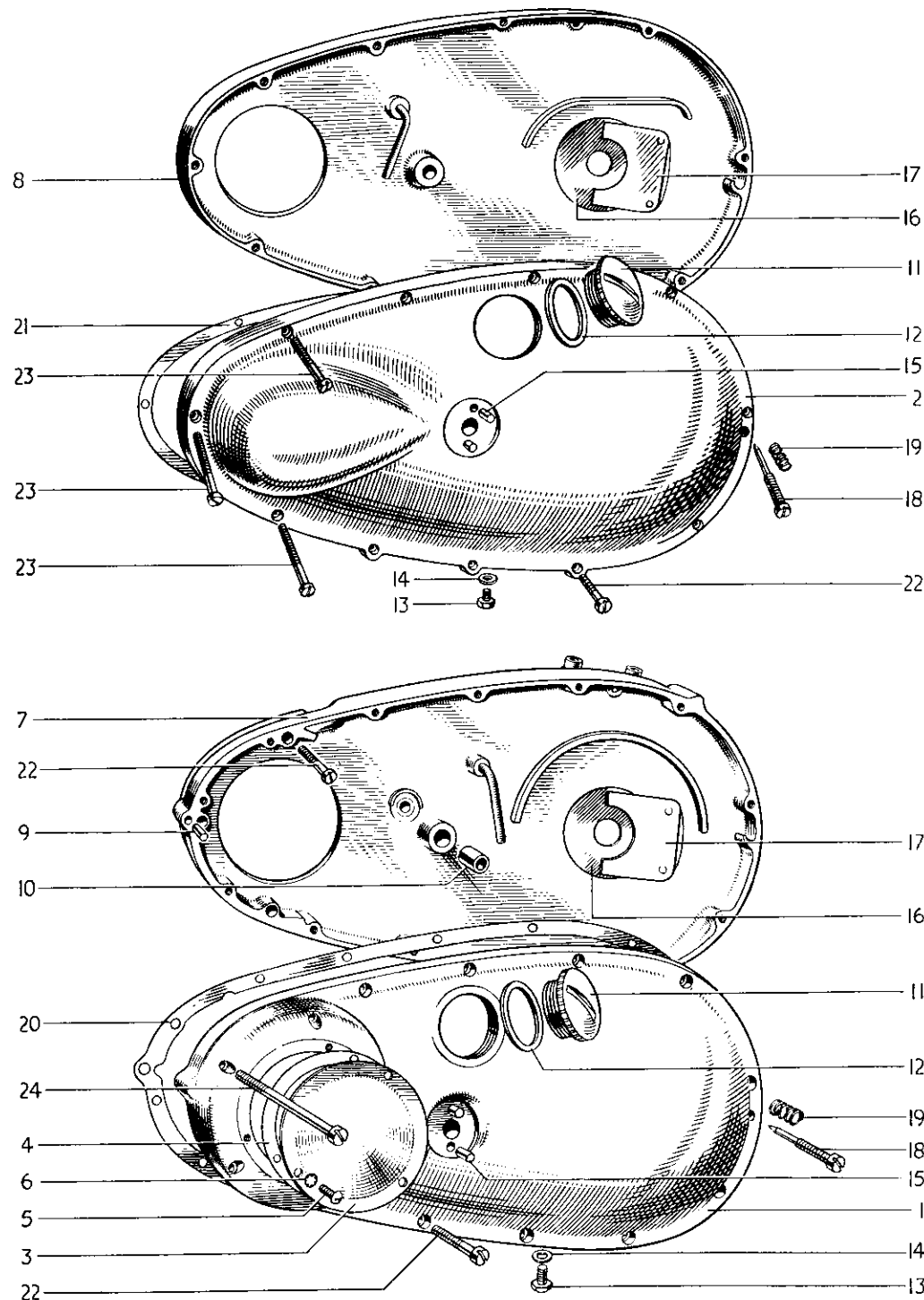


FIG. 31. PRIMARY CHAINCASE

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

**HANDLEBAR—GROUP 24**

**HANDLEBAR**

1	H696	Handlebar, complete with all controls	...	...	1	1	—	—	—
2	H732	Handlebar, complete with all controls	...	...	—	—	—	—	—
3	H773	Handlebar, complete with all controls	...	...	—	—	—	—	—
4	H659	Handlebar, bend only	...	...	1	1	—	—	—
5	H440	Handlebar, bend only	...	...	—	—	—	—	—
6	H230	Grip, handlebar L.H. rubber	...	...	1	1	—	—	—
7	H230A	Grip, handlebar L.H. rubber	...	...	—	—	1	—	—

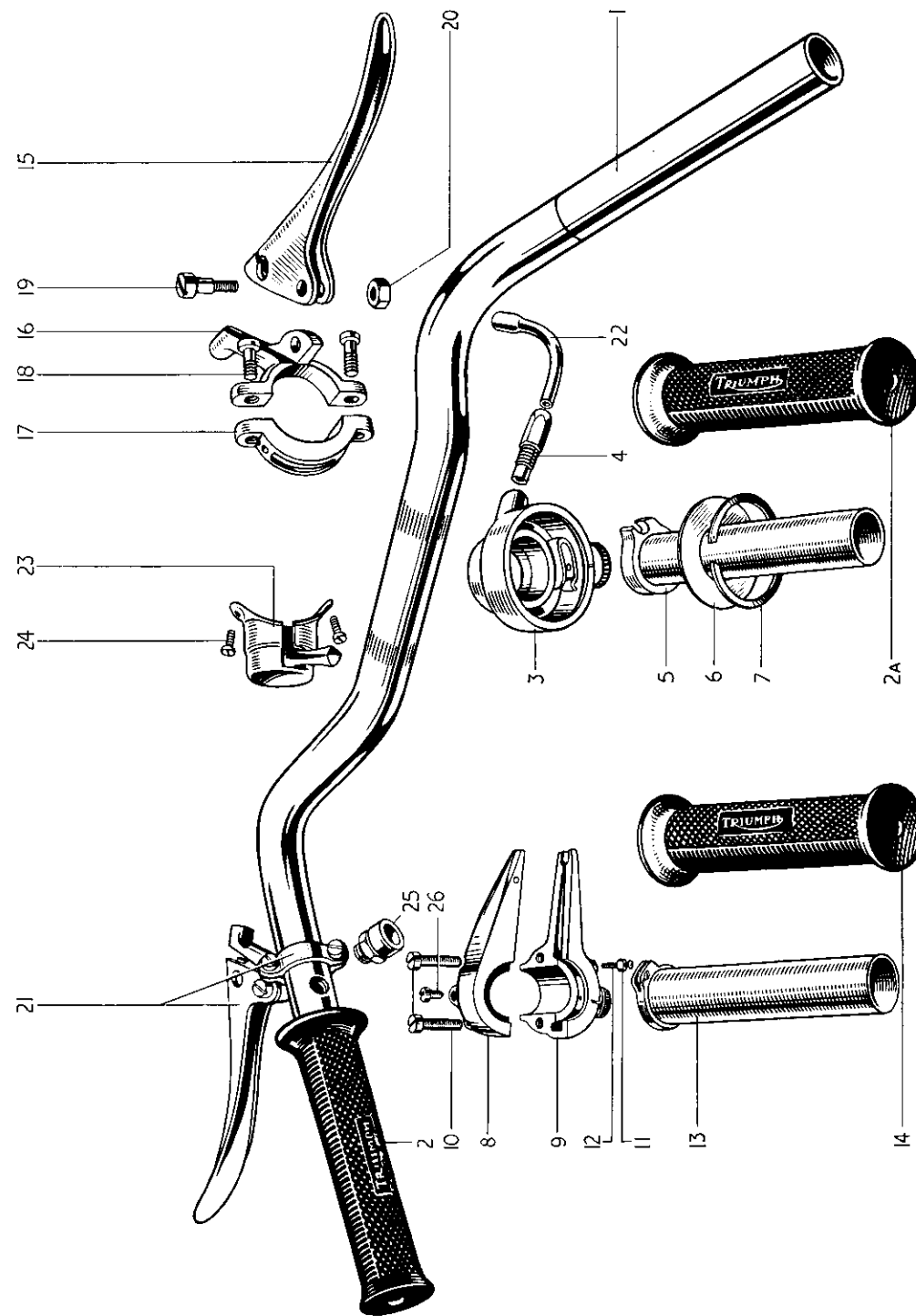
FOR U.S.A. AND CANADIAN PATTERN SEE PAGE 95.

**THROTTLE CONTROL (TRIUMPH)**

8	H697	Twistgrip, assembly	...	...	—	—	—	—	—
9	H733	Twistgrip, assembly	...	...	—	—	—	—	—
10	H230	Grip, twistgrip rubber	...	...	—	—	—	—	—
11	H230A	Grip, twistgrip rubber	...	...	—	—	—	—	—
12	H698	Head, assembly, twistgrip	...	...	—	—	—	—	—
13	H740	Head, assembly twistgrip	...	...	—	—	—	—	—
14	H734	Head assembly, plain half	...	...	—	—	—	—	—
15	H734A	Head assembly, threaded half	...	...	—	—	—	—	—
16	H744	Screw, head clamp	...	...	—	—	—	—	—
17	H685	Spring, twistgrip friction screw	...	...	—	—	2	—	—
18	H665	Screw, twistgrip friction adjuster	...	...	—	—	—	—	—
19	H686	Spring, twistgrip friction	...	...	—	—	—	—	—
20	H234	Thimble, twistgrip cable	...	...	—	—	—	—	—
21	H237	Grubscrew, twistgrip	...	...	—	—	—	—	—
22	H700	Sleeve assembly, twistgrip	...	...	—	—	—	—	—
23	H735	Sleeve assembly, twistgrip	...	...	—	—	—	—	—

**FIG. 32 INDEX**

Illust. No.	Part No.	Page No.	Ref. No.	Illust. No.	Part No.	Page No.	Ref. No.
1	H659	90	4	14	H230A	90	11
	H440	90	5	15	18:535	92	12
2	H230	90	6	16	18:500	92	14
2a	H230	90	10	17	18:598	92	16
3	H698	90	12	18	61:004	92	18
4	H234	90	20	19	18:087	92	20
5	H700	90	22	20	18:053	92	21
6	H233	92	1	21	18:546	92	22
7	H232	92	2		18:557	92	23
8	H734	90	14	22	H670	94	30
9	H734A	90	15	23	31405A	115	30
10	H744	90	16		31221A	115	31
11	H691	92	4	24	H689	115	32
12	H748	92	3	25	76200A	115	33
13	H735	90	23				



**FIG. 32. HANDLEBAR AND CONTROLS**

**GROUP 24 — HANDLEBAR**

REF. No.	PART No.	DESCRIPTION	5T	6T	TR5	T100	T110
1	H233	Plate, sleeve retaining ...	2	2	—	2	2
2	H232	Circlip, sleeve retaining ...	1	1	—	1	1
3	H748	Stop screw, twistgrip ...	—	—	1	—	—
4	H691	Nut, stop screw ...	—	—	1	—	—
5	H738	Pulley, head cable ...	—	—	1	—	—
6	H739	Pin, cable pulley ...	—	—	1	—	—

**THROTTLE CONTROL (AMAL PATTERN)**

7	16/117CE	Twistgrip, assembly ...	—	—	1	—	—
8	16/070	Grip, twistgrip rubber ...	—	—	1	—	—
9	16/069CE	Grip, dummy rubber (L.H.) ...	—	—	1	—	—

**FRONT BRAKE CONTROL**

10	18/599	Lever assembly, front brake (1" Handlebar) ...	1	1	—	1	1
11	18/556	Lever assembly, front brake ( $\frac{7}{8}$ " Handlebar) ...	—	—	1	—	—
12	18/535	Lever only ...	1	1	—	1	1
13	18/528	Lever only ...	—	—	1	—	—
14	18/500	Bracket, lever fulcrum ...	1	1	—	1	1
15	18/234	Bracket, lever fulcrum ...	—	—	1	—	—
16	18/598	Clamp, lever bracket ...	1	1	—	1	1
17	12/040	Clamp, lever bracket ...	1	1	—	1	1
18	61/004	Screw, lever bracket to clamp ...	2	2	—	2	2
19	11/014	Screw, lever bracket to clamp ...	—	—	2	—	—
20	18/087	Screw, lever fulcrum pin ...	1	1	1	1	1
21	18/053	Nut, lever fulcrum pin screw ...	1	1	1	1	1

**CLUTCH CONTROL**

22	18/546	Lever assembly, clutch (1" handlebar) ...	1	1	—	1	1
23	18/557	Lever assembly clutch ( $\frac{7}{8}$ " handlebar) ...	—	—	1	—	—
24	18/535	Lever only ...	1	1	—	1	1
25	18/528	Lever only ...	—	—	1	—	—
26	18/174	Bracket, lever fulcrum ...	1	1	—	1	1
27	18/234	Bracket, lever fulcrum ...	—	—	1	—	—
28	12/044	Clamp, lever bracket ...	1	1	—	1	1
29	12/040	Clamp, lever bracket ...	—	—	1	—	—
30	11/014	Screw, lever bracket to clamp ...	2	2	2	2	2
31	18/087	Screw, lever fulcrum pin ...	1	1	1	1	1
32	18/053	Nut, lever fulcrum pin screw ...	1	1	1	1	1

REF. No.	PART No.	DESCRIPTION	5T	6T	TR5	T100	T110
<b>AIR CONTROL</b>							
1	12/171	Lever assembly air control ...	1	—	—	1	1
2	12/161C	Lever assembly air control (chrome) ...	—	—	1	—	—
3	12/107B	Lever only ...	1	—	—	1	1
4	12/016	Lever only ...	—	—	1	—	—
5	12/029	Bolt, centre ...	1	—	1	1	1
6	12/031	Cap ...	1	—	1	1	1
7	12/033	Washer, centre spring ...	1	—	1	1	1
8	11/014	Screw, clip fixing ...	2	—	2	2	2
9	12/040	Clip, fixing ...	1	—	1	1	1

**MAGNETO CONTROL**

10	12/160	Lever assembly, magneto control ...	—	—	1	—	—
11	12/162	Lever assembly, magneto control ...	—	—	—	1	1
12	12/014	Lever only ...	—	—	1	1	1
13	12/029	Bolt, centre ...	—	—	1	1	1
14	12/031	Cap centre ...	—	—	1	1	1
15	12/033	Washer, spring ...	—	—	1	1	1
16	11/014	Screw, clip fixing ...	—	—	2	2	2
17	12/040	Clip, fixing ...	—	—	1	—	—
18	12/044	Clip, fixing ...	—	—	—	1	1

**CONTROL CABLE—GROUP 25**

FOR U.S.A. AND CANADIAN PATTERN SEE PAGE 95.

**CLUTCH CABLE**

19	D306X	Cable assembly, clutch ...	1	1	—	1	1
20	D306W	Wire only, clutch ...	1	1	—	1	1
21	D306C	Casing only, clutch ...	1	1	—	1	1
22	D307X	Cable assembly clutch ...	—	—	1	—	—
23	D307W	Wire only, clutch ...	—	—	1	—	—
24	D307C	Casing only, clutch ...	—	—	1	—	—
25	D103	Ferrule, clutch casing ...	2	2	2	2	2
26	D81	Nipple, wire (handlebar end) ...	1	1	1	1	1
27	DS73	Nipple, wire (gearbox end) ...	1	1	1	1	1
28	DS74	Adjuster, clutch cable ...	1	1	1	1	1
29	W76	Locknut, clutch cable adjuster ...	1	1	1	1	1

**GROUP 25 – CABLE CONTROL**

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

**FRONT BRAKE CABLE**

1	D247	Cable assembly, brake	...	...	...	...	1	1	—	—	—
2	D259	Cable assembly, brake	...	...	...	...	—	—	1	—	—
3	D305	Cable assembly, brake	...	...	...	...	—	—	—	1	—
4	D247W	Wire only, brake	...	...	...	...	1	1	—	—	—
5	D259W	Wire only, brake	...	...	...	...	—	—	1	—	—
6	D305W	Wire only, brake	...	...	...	...	—	—	—	1	1
7	D247C	Casing only, brake	...	...	...	...	1	1	—	—	—
8	D259C	Casing only, brake	...	...	...	...	—	—	1	—	—
9	D305C	Casing only, brake	...	...	...	...	—	—	—	1	1
10	D103	Ferrule, brake casing	...	...	...	...	2	2	2	2	2
11	H751	Ferrule, brake casing rubber	...	...	...	...	1	1	—	1	1
12	H707	Sleeve, brake casing rubber	...	...	...	...	1	1	—	1	1
13	D81	Nipple, wire	...	...	...	...	1	1	1	1	1
14	W593	Fork end, wire	...	...	...	...	1	1	1	1	1
15	H446B	Tube, wire lower cover...	...	...	...	...	1	1	—	1	1
16	H446A	Tube, wire lower cover...	...	...	...	...	—	—	1	—	—
17	H447	Ferrule, cover tube	...	...	...	...	1	1	1	1	1
18	W328A	Adjuster, brake cable	...	...	...	...	1	1	1	1	1
19	W591	Abutment...	...	...	...	...	1	1	1	1	1
20	W329	Thumb nut, brake cable adjuster	...	...	...	...	1	1	1	1	1

**THROTTLE CABLE**

21	D224	Cable assembly, throttle	...	...	...	...	1	—	—	1	1
22	D269	Cable assembly, throttle	...	...	...	...	—	1	—	—	—
23	D233	Cable assembly, throttle	...	...	...	...	—	—	1	—	—
24	D224W	Wire only, throttle	...	...	...	...	1	—	—	1	1
25	D269W	Wire only, throttle	...	...	...	...	—	1	—	—	—
26	D233W	Wire only, throttle	...	...	...	...	—	—	1	—	—
27	D224C	Casing only, throttle	...	...	...	...	1	—	—	1	1
28	D269C	Casing only, throttle	...	...	...	...	—	1	—	—	—
29	D233C	Casing only, throttle	...	...	...	...	—	—	1	—	—
30	H670	Guide tube, throttle wire	...	...	...	...	1	1	1	1	1
31	D101	Ferrule, throttle casing	...	...	...	...	3	2	3	3	3
32	D83	Nipple, throttle wire (handlebar end)	...	...	...	...	1	1	—	1	1
33	D232	Nipple, throttle wire (handlebar end)	...	...	...	...	—	—	1	—	—
34	NS191	Nipple, throttle wire (carburettor end)	...	...	...	...	1	1	1	1	1
35	D104	Adjuster, throttle casing	...	...	...	...	1	—	1	1	1
36	D267	Adjuster throttle casing	...	...	...	...	—	1	—	—	—
37	D268	Nut, throttle casing adjuster	...	...	...	...	—	2	—	—	—
38	D271	Spring, throttle lever return	...	...	...	...	—	1	—	—	—

**AIR CABLE**

39	D225	Cable assembly, air	...	...	...	...	1	—	—	1	1
40	D242	Cable assembly, air	...	...	...	...	—	—	1	—	—
41	D225W	Wire only, air	...	...	...	...	1	—	—	1	1
42	D242W	Wire only, air	...	...	...	...	—	—	1	—	—

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**CONTROL CABLE – GROUP 25**  
**OVERSEAS HANDLEBAR – GROUP 26**

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

1	D225C	Casing only, air	...	...	...	...	1	—	—	1	1
2	D242C	Casing only, air	...	...	...	...	—	—	1	—	—
3	D101	Ferrule, air casing	...	...	...	...	2	—	2	2	2
4	D83	Nipple, air wire (handlebar end)	...	...	...	...	1	—	1	1	1
5	NS191	Nipple, air wire (carburettor end)	...	...	...	...	1	—	1	1	1

**IGNITION CABLE**

6	D100	*Cable assembly, ignition	...	...	...	...	—	—	—	1	1
7	D100W	Wire only, ignition	...	...	...	...	—	—	—	1	1
8	D100C	Casing only, ignition	...	...	...	...	—	—	—	1	1
9	D243	*Cable assembly, ignition	...	...	...	...	—	—	1	—	—
10	D243W	Wire only, ignition	...	...	...	...	—	—	1	—	—
11	D243C	Casing only, ignition	...	...	...	...	—	—	1	—	—
12	D101	Ferrule, ignition casing	...	...	...	...	—	—	2	2	2
13	D83	Nipple, ignition wire (Handlebar end)	...	...	...	...	—	—	1	1	1
14	XA69	Clip, cables to frame, etc.	...	...	...	...	8	8	13	—	—

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

**HANDLEBAR—GROUP 26**

**U.S.A. AND CANADIAN PATTERN**

15	H786	Handlebar, complete with all controls	...	...	...	...	1	1	—	—	—
16	H798	Handlebar, complete with all controls	...	...	...	...	—	—	—	1	1
17	H787	Handlebar, bend only	...	...	...	...	1	1	—	1	1
18	D308	Cable assembly, clutch	...	...	...	...	1	1	—	1	1
19	D256	Cable assembly, brake	...	...	...	...	1	1	—	—	—
20	D309	Cable assembly, brake	...	...	...	...	—	—	—	1	1
21	D257	Cable assembly, throttle	...	...	...	...	1	—	—	1	1
22	D272	Cable assembly, throttle	...	...	...	...	—	1	—	—	—
23	D260	Cable assembly, ignition	...	...	...	...	—	—	—	1	1

Other details as standard specification.

**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 124. 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.



**GROUP 27 — REAR BRAKE CONTROL**  
**GROUP 28 — FOOTREST**

REF. No.	PART No.	DESCRIPTION	5T	6T	TR5	T100	T110
<b>REAR BRAKE CONTROL—GROUP 27</b>							
1	F3313	Pedal, rear brake	1	1	1	—	—
2	*F3595	Pedal, rear brake	—	—	—	1	1
3	F995	Rubber, rear brake pedal	1	1	1	1	1
4	F1149	Screw, rear brake pedal stop	1	1	1	—	—
5	F879	Nut, rear brake pedal stop	1	1	1	—	—
6	F867	Spindle, rear brake pedal	1	1	1	1	1
7	DS48	Nut, rear brake spindle to frame	1	1	1	1	1
8	SCZ45	Washer, rear brake spindle to frame	1	1	1	1	1
9	SI-52	Nut, rear brake pedal end	1	1	1	1	1
10	S25-2	Washer, rear brake pedal end (plain)	1	1	1	1	1
11	S26-16	Washer, rear brake pedal end (spring)	1	1	1	1	1
12	F1015A	Rod, brake operating	1	1	—	—	—
13	F1015	Rod, brake operating	—	—	1	—	—
14	F1015B	Rod, brake operating (spring wheel)	1	1	—	—	—
15	F1015C	Rod, brake operating (spring wheel)	—	—	1	—	—
16	F3597	Rod, brake operating	—	—	—	1	1
17	WF32	Pin, brake operating rod fork end	1	1	1	—	—
18		$\frac{1}{8}$ " x $\frac{1}{2}$ " Split pin, fork end pin	1	1	1	1	1
19	S25-13	Washer, brake rod for split pin	—	—	—	1	1
20	W11	Pivot roller, brake arm to rod	1	1	1	1	1
21	NS372	Thumb nut, brake rod adjusting	1	1	—	—	—
22	F2896	Thumb nut, brake rod adjusting	—	—	1	—	—
23	F3667	Thumb nut, brake rod adjusting	—	—	—	1	1

\* All T100 and T110 models before Engine No. 51200 use F3716 brake pedal.

**FOOTREST—GROUP 28**

24	F1731	Footrest, R.H.	1	1	1	—	—
25	F3593	Footrest, R.H.	—	—	—	1	1
26	F987	Footrest, L.H.	1	1	1	1	1
27	NF704	Rubber, footrest	2	2	—	2	2
28	F1695	Rubber, footrest	—	—	2	—	—
29	F1736	Tube, footrest support R.H.	1	1	1	—	—
30	F991	Rod, footrest	1	1	1	—	—
31	F3592	Rod, footrest	—	—	—	1	1
32	DS48	Nut, footrest rod	2	2	2	2	2
33	S25-8	Washer, footrest rod R.H. plain	1	1	1	—	—
34	NT316	Dowel, footrest R.H.	—	—	—	2	2
35	F862	Distance tube, engine plate	1	1	1	1	1
36	T87	Distance tube, L.H. footrest	1	1	1	1	1

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**FOOTREST — GROUP 28**  
**SIDECAR ATTACHMENTS — GROUP 29**  
**REAR CARRIER — GROUP 30**

REF. No.	PART No.	DESCRIPTION	5T	6T	TR5	T100	T110
<b>PILLION FOOTREST</b>							
1	F2312	Footrest assembly, pillion	2	2	2	—	—
2	F1694	Pedal, footrest	2	2	2	2	2
3	F1695	Rubber, footrest pedal	2	2	2	2	2
4	F2271	Bolt, footrest pedal pivot	2	2	2	2	2
5	SI-51	Nut, footrest pedal pivot bolt	2	2	2	2	2
6	F2277	Washer, footrest pedal pivot bolt	2	2	2	2	2
7	F2268	Hanger, footrest pedal	2	2	2	—	—
8	F1696	Stud, footrest pedal hanger	2	2	2	—	—
9	PO172A	Nut, footrest pedal hanger stud	2	2	2	—	—
10	S26-1	Washer footrest pedal hanger stud	2	2	2	—	—

**SIDECAR ATTACHMENTS—GROUP 29**

11	F2587	Lug, bottom front connection	1	1	—	—	—
12	F1746	Nut, bottom front connection sleeve	2	2	—	—	—
13	F2600	Bolt, bottom front connection	1	1	—	—	—
14	F1747	Nut, bottom front connection bolt	1	1	—	—	—
15	F2601	Lug, rear connection	1	1	—	—	—
16	F1743	Stud, rear connection	2	2	—	—	—
17	SI-5	Nut, rear connection stud	2	2	—	—	—
18	KF365	Washer, rear connection stud	2	2	—	—	—

4th point connections and saddle tube eye bolts are obtainable from sidecar manufacturers.

**NOTE.** Before a sidecar is attached to the motor cycle, extra strength Front Fork Springs **MUST** be fitted as listed on Page 64, Ref. 13. Failure to carry out this modification may result in serious consequences. The recommended engine sprocket will be found on Page 36.

**REAR CARRIER—GROUP 30**

19	F2278CTE	Carrier, complete with fittings	1	1	—	—	—
20	F2856	Bridge, carrier	2	2	—	—	—
21	F2857	Plate, carrier backing	2	2	—	—	—
22	DS57	Bolt, carrier	8	8	—	—	—
23	E1612	Washer, carrier	8	8	—	—	—
24	F879	Nut, carrier	8	8	—	—	—

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

**BATTERY CARRIER AND TOOLBOX—GROUP 31**

**BATTERY CARRIER**

1	F1670	Carrier assembly, battery	...	...	...	...	1	1	1	—	—
2	E534	Swivel, carrier strap plain	...	...	...	...	1	1	1	—	—
3	E535	Swivel, carrier strap tapped	...	...	...	...	1	1	1	—	—
4	E536	Bolt, carrier strap swivel	...	...	...	...	1	1	1	—	—
5	F1667	Strap, carrier top	...	...	...	...	1	1	1	—	—
6	F1668	Strap, carrier front	...	...	...	...	1	1	1	—	—
7	F1727	Pin, carrier strap hinge	...	...	...	...	2	2	2	—	—
8	F1682	Stud, carrier to seat tube boss...	...	...	...	...	1	1	—	—	—
9	SI-51	Nut, carrier to seat tube boss stud	...	...	...	...	1	1	—	—	—
10	NW258	Bolt, carrier top to sleeve nut	...	...	...	...	—	—	1	—	—
11	F1715	Bolt, carrier to primary cover	...	...	...	...	2	2	—	—	—
12	F3062	Bolt, carrier to primary cover	...	...	...	...	—	—	2	—	—
13	F3061	Distance piece for F3062 bolt	...	...	...	...	—	—	2	—	—

**TOOL BOX**

14	F1692A	Toolbox, complete with fastener	...	...	...	...	1	1	1	—	—
15	F3224/7	Fastener assembly	...	...	...	...	1	1	1	—	—
16	F1699	Clip, toolbox to bottom tube	...	...	...	...	1	1	—	—	—
17	DS57	Bolt, toolbox to bottom tube	...	...	...	...	1	1	—	—	—
18	F879	Nut, toolbox to bottom tube	...	...	...	...	1	1	—	—	—
19	S26-2	Washer, toolbox to bottom tube	...	...	...	...	1	1	—	—	—
20	F1700	Clip, toolbox to bottom tube and backstay	...	...	...	...	—	—	2	—	—
21	DS57	Bolt, toolbox to bottom tube	...	...	...	...	—	—	2	—	—
22	F879	Nut, toolbox to bottom tube	...	...	...	...	—	—	2	—	—
23	S26-2	Washer, toolbox to bottom tube	...	...	...	...	—	—	2	—	—
24	DS57	Bolt, toolbox to mudguard	...	...	...	...	1	1	—	—	—
25	F879	Nut, toolbox to mudguard	...	...	...	...	1	1	—	—	—
26	S26-2	Washer, toolbox to Mudguard	...	...	...	...	1	1	—	—	—
27	F1335	Distance washer, bottom tube clip	...	...	...	...	—	—	1	—	—

**BATTERY CASE AND TOOLBOX**

28	F3587	Battery case and toolbox assembly	...	...	...	...	—	—	—	1	1
29	E534	Swivel, carrier strap plain	...	...	...	...	—	—	—	1	1
30	E535	Swivel, carrier strap tapped	...	...	...	...	—	—	—	1	1
31	E536	Bolt, carrier strap swivel	...	...	...	...	—	—	—	1	1
32	F3588	Strap, carrier top	...	...	...	...	—	—	—	1	1
33	F1668	Strap, carrier front	...	...	...	...	—	—	—	1	1
34	F1727	Pin, carrier strap hinge	...	...	...	...	—	—	—	2	2
35	F3652	Lid assembly, battery case	...	...	...	...	—	—	—	1	1
36	F3226	Fastener, lid	...	...	...	...	—	—	—	1	1
37	F3227	Grommet, lid fastener	...	...	...	...	—	—	—	1	1
38	F3641	Stud, carrier to seat tube boss...	...	...	...	...	—	—	—	1	1
39	F1008	Nut, carrier to seat tube boss stud	...	...	...	...	—	—	—	1	1

1	S26-3	Washer, carrier to seat tube boss stud	...	...	...	...	—	—	—	1	1
2	F1699	Clip, battery case to frame	...	...	...	...	—	—	—	1	1
3	DS57	Bolt, battery case to frame clip	...	...	...	...	—	—	—	1	1
4	F879	Nut, battery case to frame clip	...	...	...	...	—	—	—	1	1
5	E1612	Washer, battery case to frame clip	...	...	...	...	—	—	—	1	1

For securing bolt, nut and washer, Toolbox: Battery case to rear engine plate, see Rear Mudguard Group, page 81, Refs. 3, 4 and 5.

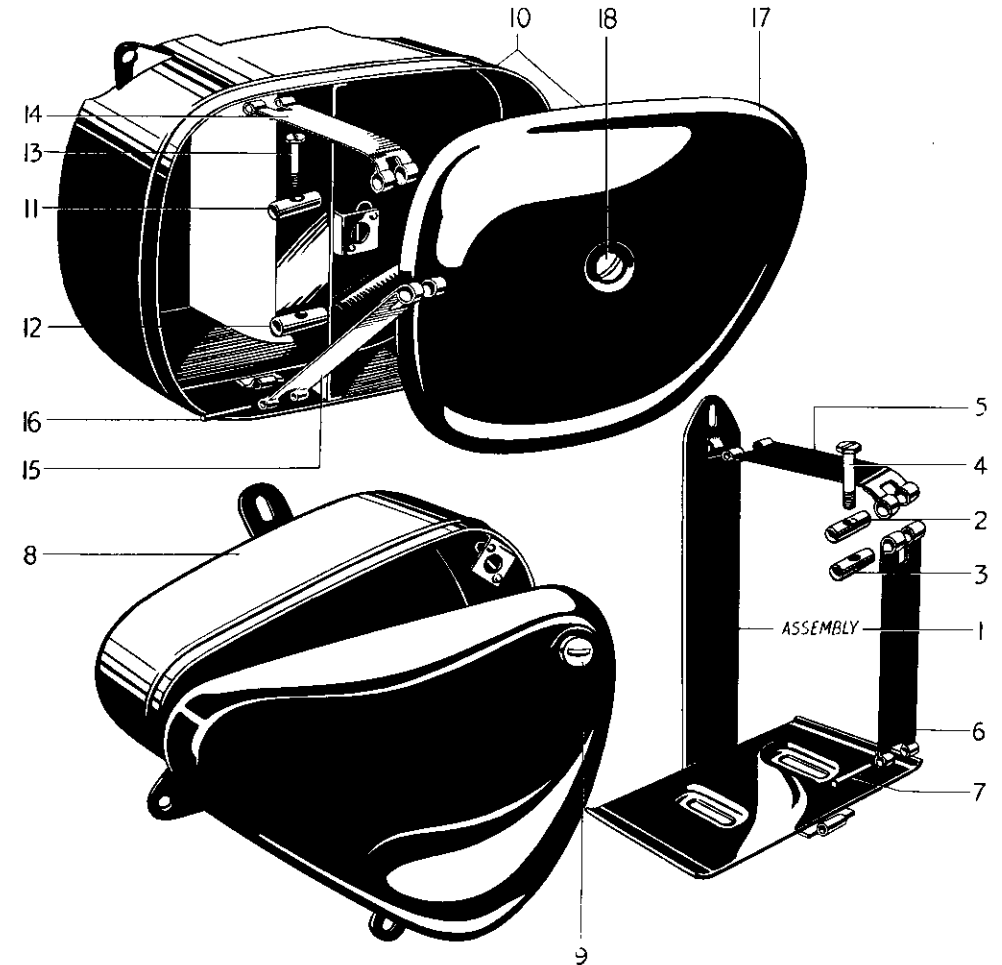


FIG. 33. BATTERY CARRIER AND TOOL BOX

**FIG. 33 INDEX**

Illust. No.	Part No.	Page No.	Ref. No.	Illust. No.	Part No.	Page No.	Ref. No.
1	F1670	98	1	10	F3587	98	28
2	E534	98	2	11	E534	98	29
3	E535	98	3	12	E535	98	30
4	E536	98	4	13	E536	98	31
5	F1667	98	5	14	F3588	98	32
6	F1668	98	6	15	F1668	98	33
7	F1727	98	7	16	F1727	98	34

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

**TOOLKIT—GROUP 32**

1	DA71	Toolkit, complete	...	...	...	...	...	...
2	DA312	Toolkit, complete	...	...	...	...	...	...
3	WA58	Roll, canvas tool ...	...	...	...	...	...	...
4	DA72	Spanner, open $\frac{1}{2}$ " $\times$ $\frac{3}{16}$ " whit.	...	...	...	...	...	...
5	KA50	Spanner, open Spec. $\times$ $\frac{1}{8}$ " whit.	...	...	...	...	...	...
6	NA55	Spanner, open $\frac{1}{4}$ " $\times$ $\frac{3}{16}$ " whit.	...	...	...	...	...	...
7	DA16	Spanner, open $\frac{3}{8}$ " $\times$ $\frac{1}{16}$ " whit.	...	...	...	...	...	...
8	DA5	Spanner, closed .218" $\times$ .338" square	...	...	...	...	...	...
9	NA65	Spanner, closed .218" $\times$ $\frac{3}{16}$ " whit.	...	...	...	...	...	...
10	NA66	Spanner, closed $\frac{1}{8}$ " $\times$ $\frac{3}{16}$ " whit.	...	...	...	...	...	...
11	PA57	Spanner, closed $\frac{1}{2}$ " $\times$ $\frac{3}{16}$ " whit.	...	...	...	...	...	...
12	DA311	Spanner, closed $\frac{3}{8}$ " $\times$ $\frac{1}{16}$ " whit.	...	...	...	...	...	...
13	PA56	Spanner, combination	...	...	...	...	...	...
14	DA313	Spanner, suspension units "C"	...	...	...	...	...	...
15	PA60	Spanner, box $\frac{1}{4}$ " $\times$ $\frac{3}{16}$ " whit.	...	...	...	...	...	...
16	D87	Spanner, box sparking plug	...	...	...	...	...	...
17	D258	Tommy bar, sparking plug spanner and tyre lever	...	...	...	...	...	...
18	415116	Spanner, magneto contact (Lucas)	...	...	...	...	...	...
19	DA70	Key, clutch adjusting	...	...	...	...	...	...
20	DA50/1	Extractor, clutch centre	...	...	...	...	...	...
21	NA12	Gun, grease	...	...	...	...	...	...
22	NA14A	Lever, tyre	...	...	...	...	...	...
23	PA55	Screwdriver	...	...	...	...	...	...
24	D49	Inflator, tyre	...	...	...	...	...	...
25	D220	Spanner, fork cap nut (not included in toolkit)	...	...	...	...	...	...
26	167	Extractor, chain rivet (not included in toolkit)	...	...	...	...	...	...
27	Z90	Drive shaft adaptor (not included in tool kit)	...	...	...	...	...	...

**SPECIAL WORKSHOP TOOLS**

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

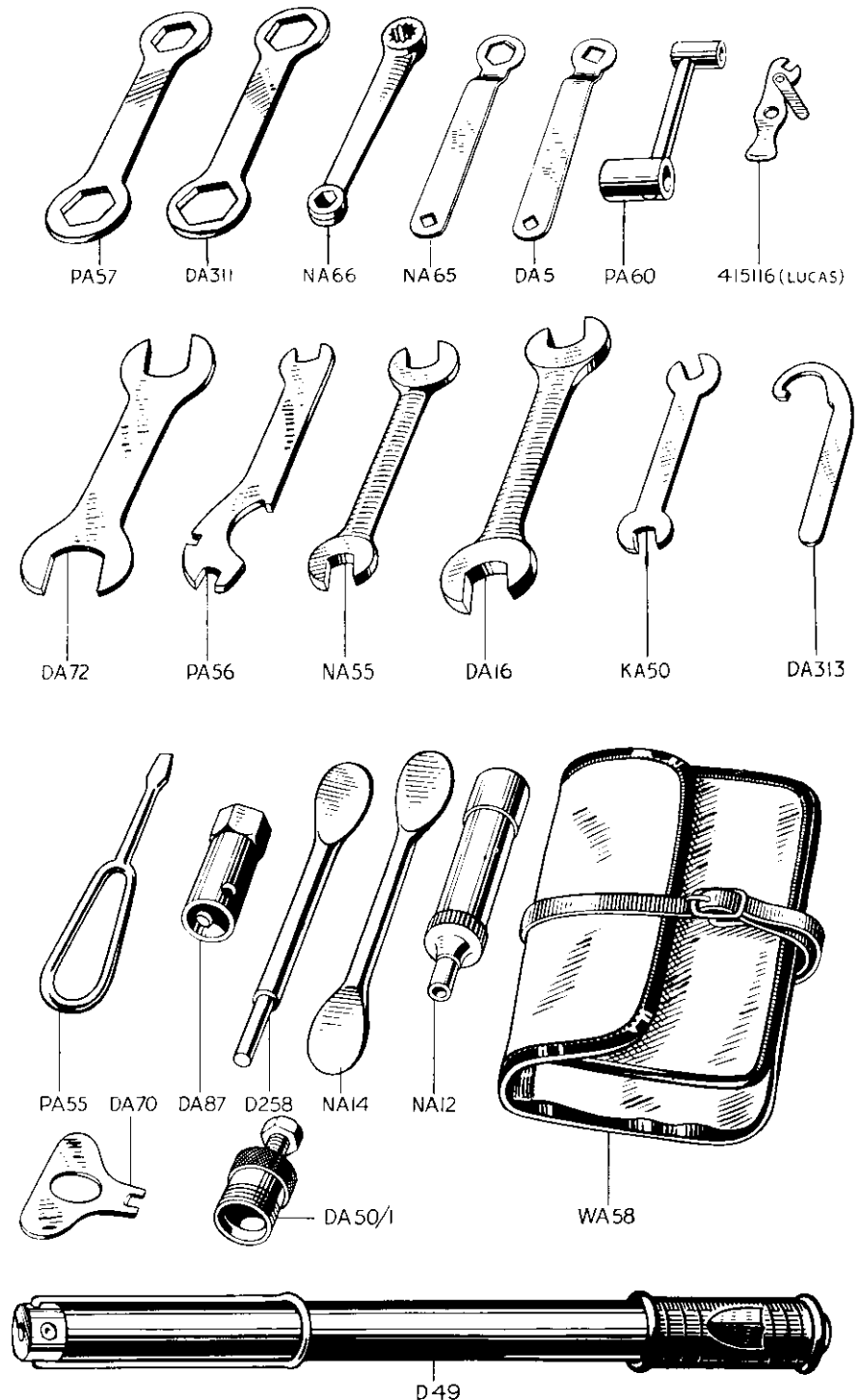


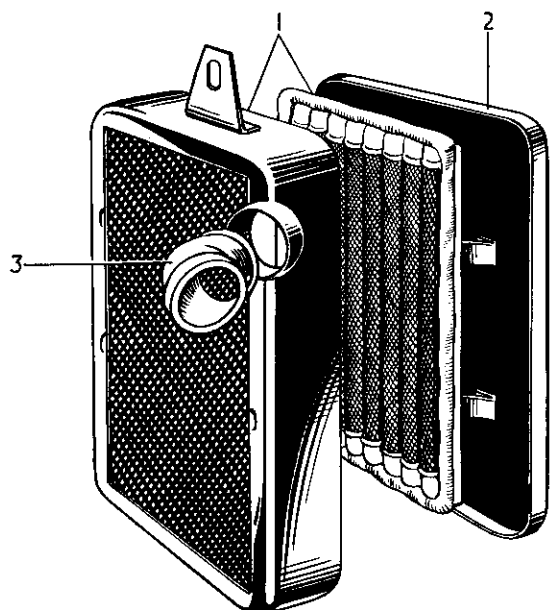
FIG. 34. TOOL KIT

**GROUP 33 – AIR FILTER**

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

**AIR FILTER—GROUP 33**

1	F3315	Air filter assembly	...	...	...	...	1	1	—	—	—
2	F3195	Air filter assembly	...	...	...	...	—	—	—	—	—
3	F3589	Air filter assembly	...	...	...	...	—	—	—	—	—
4	F3315E	Element only	...	...	...	...	1	1	—	—	—
5	F3223	Element with cover	...	...	...	...	—	—	—	—	—
6	F3376	Screw, cover $\frac{1}{4}$ " BSF $\times$ $\frac{3}{8}$ "—CH.HD	...	...	...	...	1	1	—	—	—
7	E2312	Washer, cover screw ( $\frac{1}{4}$ " shakeproof)	...	...	...	...	1	1	—	—	—
8	F3327	Grommet, air filter vent hole	...	...	...	...	1	1	—	—	—
9	F2875	Sleeve, carburetter to filter	...	...	...	...	—	—	—	—	—
10	F3623	Sleeve, carburetter to filter	...	...	...	...	—	—	—	—	—
11	F3316	Connection, sleeve to filter (rubber)	...	...	...	...	1	—	—	—	—
12	F3340	Connection, sleeve to filter (rubber)	...	...	...	...	—	1	—	—	—
13	F2872	Connection, sleeve to filter (rubber)	...	...	...	...	—	—	1	—	—
14	F3624	Connection, sleeve to filter (rubber)	...	...	...	...	—	—	—	1	—
15	DS57	Bolt, air filter to mudguard	...	...	...	...	1	1	—	—	—
16	F879	Nut, air filter to mudguard	...	...	...	...	1	1	—	—	—
17	E1612	Washer, air filter to mudguard	...	...	...	...	1	1	—	—	—
18	F1682	Stud, air filter to frame	...	...	...	...	—	—	—	1	—
19	SI-51	Nut, air filter to frame	...	...	...	...	—	—	—	—	1



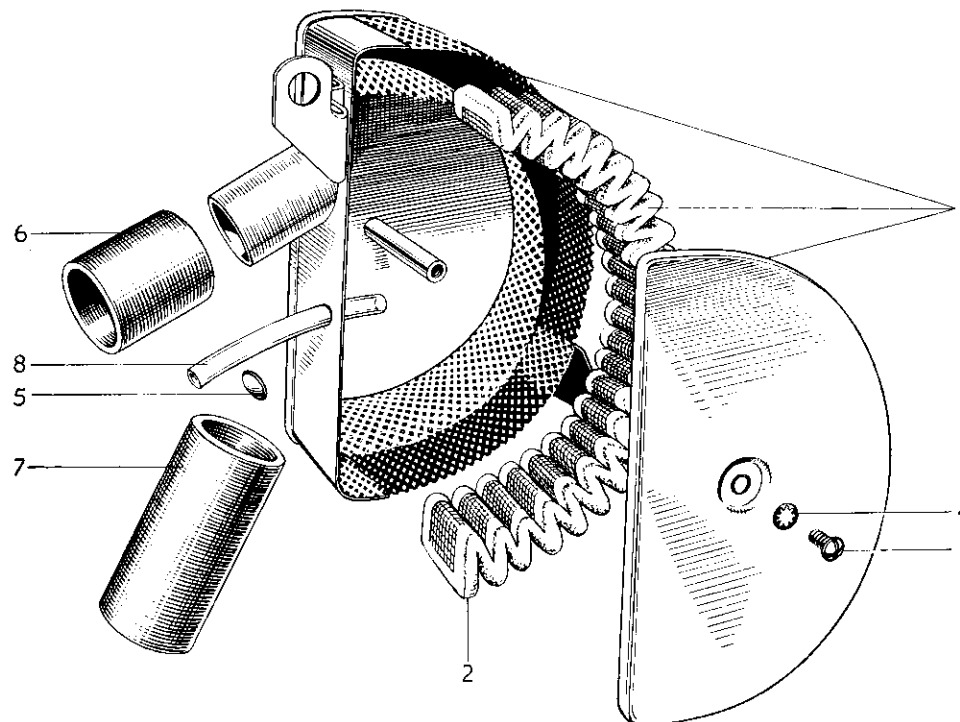
**FIG. 35. AIR FILTER—TROPHY (TR5)**

**FIG. 35 INDEX**

Illust. No.	Part No.	Page No.	Ref. No.
1	F3195	102	2
2	F3223	102	5
3	F2872	102	13

**AIR FILTER – GROUP 33  
LEGSHIELD – GROUP 34**

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**FIG. 36. AIR FILTER—SPEED TWIN (5T), THUNDERBIRD (6T), TIGER 100 (T100) AND TIGER 110 (T110)**

**FIG. 36 INDEX**

Illust. No.	Part No.	Page No.	Ref. No.	Illust. No.	Part No.	Page No.	Ref. No.
1	F3315	102	1	6	F3316	102	11
	F3589	102	3	7	F3340	102	12
2	F3315E	102	4		F3624	102	14
3	F3376	102	6	8	F3339	108	2
4	E2312	102	7				
5	*F3327	102	8				

\* Replaces F3339 for Amal Condition.

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

**LEGSHIELD—GROUP 34**

1	F3208	Legshield L.H.	...	...	...	1	1	—	—	—	—
2	F3210	Legshield R.H.	...	...	...	1	1	—	—	—	—
3	F3326	Stay, legshield	...	...	...	2	2	—	—	2	2
4	*E1598	Clip, front down tube	...	...	...	—	—	—	—	—	—
5	H534	Bolt, stay to clip	...	...	...	1	1	—	—	—	—
6	F1031	Bolt, stay to clip	...	...	...	—	—	—	—	—	—
7	PO172A	Nut, stay to clip bolt	...	...	...	—	—	—	—	—	—
8	S25-3	Washer, stay to clip bolt	...	...	...	—	—	—	—	—	—
9	DS57	Bolt, stay to legshield	...	...	...	4	4	—	—	4	4
10	E979	Nut, stay to legshield bolt	...	...	...	4	4	—	—	4	4
11	S26-2	Washer, stay to legshield bolt	...	...	...	4	4	—	—	4	4

\*5T and 6T fitments utilize existing torque stay clip.

PROPRIETARY GROUP

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

<b>CARBURETTERS</b> ... ..	Messrs. Amal Ltd., Holford Works, Perry Barr, Birmingham, 20.
	The S.U. Carburetter Co., Ltd., Wood Lane, Erdington, Birmingham, 24.
<b>CHAINS</b> ... ..	The Renold and Coventry Chain Co. Ltd., Didsbury, Manchester.
<b>ELECTRICAL EQUIPMENT</b> ...	Messrs. J. Lucas, Ltd., Gt. Hampton Street, Birmingham, 18.
<b>SADDLES</b> ... ..	Messrs. Terrys Ltd., 210, Corporation Street, Birmingham.
	J. B. Brooks & Co. Ltd., Great Charles Street, Birmingham, 3.
<b>SPARKING PLUGS</b> ... ..	Champion Sparking Plug Co. Ltd., Feltham, Middlesex.
<b>SPEEDOMETERS</b> ... ..	Messrs. Smiths Motor Accessories Ltd., Cricklewood Works, London, N.W.2.
<b>SUSPENSION UNITS</b> ... ..	Messrs. Girling Ltd., Kings Road, Tyseley, Birmingham, 11.

AMAL CARBURETTER—GROUP 35

1	276FE/IAT/M	Carburetter assembly ... ..	1	—	—	—	—
2	276FF/IAT/M	Carburetter assembly ... ..	—	—	1	—	—
3	276GE/2EK	Carburetter assembly ... ..	—	—	—	1	—
4	289X	Carburetter assembly ... ..	—	—	—	—	1
5	276/433R	Chamber, mixing ... ..	1	—	—	—	—
6	276/432R	Chamber, mixing ... ..	—	—	1	1	—
7	289/407R	Chamber, mixing ... ..	—	—	—	—	1
8	6/423	Top, mixing chamber ... ..	1	—	—	1	—
9	6/403	Top, mixing chamber ... ..	—	—	1	—	—
10	29/309	Top, mixing chamber ... ..	—	—	—	—	1
11	6/031	Cap, mixing chamber ... ..	1	—	1	1	—
12	29/041	Cap, mixing chamber ... ..	—	—	—	—	1
13	4/276	Spring, mixing chamber cap ... ..	1	—	1	1	—
14	29/301	Spring, mixing chamber cap ... ..	—	—	—	—	1
15	4/241	Screw, mixing chamber cap spring ... ..	1	—	1	1	1
16	6/045	Valve, air ... ..	1	—	1	1	—
17	29/055	Valve, air ... ..	—	—	—	—	1
18	4/046	Spring, air valve ... ..	1	—	1	1	1
19	6/047	Guide, air valve ... ..	1	—	1	1	—
20	29/057	Guide, air valve ... ..	—	—	—	—	1
21	6/052	Valve throttle No. 6/3½ ... ..	1	—	1	1	—
22	29/062	Valve throttle No. 29/4 ... ..	—	—	—	—	1
23	4/263	Spring, throttle valve ... ..	1	—	1	1	—
24	29/047	Spring, throttle valve ... ..	—	—	—	—	1
25	4/060	Cotter, throttle valve ... ..	1	—	1	1	1
26	4/063	Screw, throttle valve stop ... ..	1	—	1	1	1
27	16/010	Nut, throttle valve stop ... ..	1	—	1	1	1
28	13/129	Screw, air adjusting ... ..	1	—	1	1	1
29	4/148	Spring, air adjusting screw ... ..	1	—	1	1	1
30	4/042	Jet, main No. 140 ... ..	1	—	—	—	—
31	4/042	Jet, main No. 150 ... ..	—	—	1	1	—
32	4/042	Jet, main No. 200 ... ..	—	—	—	—	1
33	206/057R	Block, jet ... ..	1	—	—	—	—
34	206/058R	Block, jet ... ..	—	—	1	1	—
35	229/069	Block, jet ... ..	—	—	—	—	1
36	6/062	Nut, mixing chamber union ... ..	1	—	1	1	—
37	29/078	Nut, mixing chamber union ... ..	—	—	—	—	1
38	6/040	Washer, jet block ... ..	1	—	1	1	—
39	29/050	Washer, jet block ... ..	—	—	—	—	1
40	4/061	Jet, needle No. 107 ... ..	1	—	1	1	—
41	29/076	Jet, needle No. 107 ... ..	—	—	—	—	1
42	6/065	Needle, jet No. 6 ... ..	1	—	1	1	—
43	29/075	Needle, jet No. 6 ... ..	—	—	—	—	1
44	4/230	Clip, jet needle ... ..	1	—	1	1	1
45	4/043	Bolt, holding ... ..	1	—	1	1	—
46	29/077	Bolt, holding ... ..	—	—	—	—	1
47	4/053	Washer, holding bolt ... ..	2	—	2	2	2

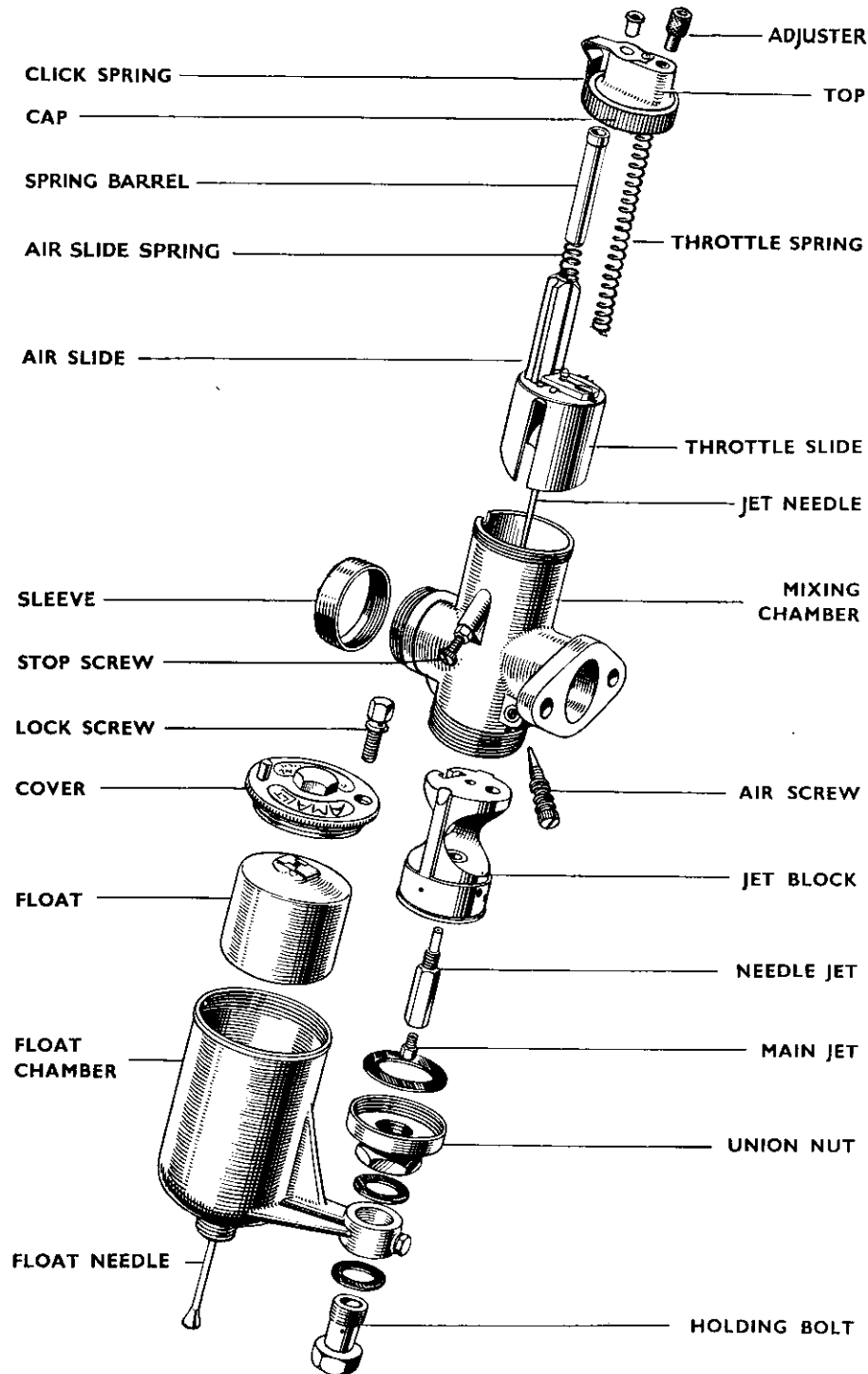


FIG. 37. AMAL CARBURETTER

REF. No.	PART No.	DESCRIPTION	5T	6T	TR5	T100	T110
1	4 035	Adjuster, cable ... ..	1	—	—	1	1
2	6 132A	Ferrule, cable ... ..	1	—	2	1	1
3	E3326	Adaptor, carburetter to air filter ... ..	—	—	—	1	—
4	E3327	Adaptor, carburetter to air filter ... ..	—	—	—	—	1
5	IAT/M	Chamber, float complete ... ..	1	—	1	—	—
6	2EK	Chamber, float complete ... ..	—	—	—	1	—
7	302/13	Chamber, float complete ... ..	—	—	—	—	1
8	64/192M	Body, float chamber ... ..	1	—	1	—	—
9	64/163	Body, float chamber ... ..	—	—	—	1	—
10	302/048	Body, float chamber ... ..	—	—	—	—	1
11	14/208	Cover, float chamber ... ..	1	—	1	—	—
12	14/356	Cover, float chamber ... ..	—	—	—	1	—
13	302/002	Cover, float chamber c.w baffle ... ..	—	—	—	—	1
14	14/021	Lockscrew, float cover ... ..	1	—	1	—	—
15	302/009	Lockscrew, float cover ... ..	—	—	—	—	2
16	14/015	Float ... ..	1	—	1	—	—
17	14/017	Float ... ..	—	—	—	1	—
18	302/042	Float ... ..	—	—	—	—	1
19	14/024	Needle, valve ... ..	1	—	1	—	—
20	14/355	Needle, valve ... ..	—	—	—	1	—
21	302/044	Needle, valve ... ..	—	—	—	—	1
22	161/054	Clip, needle ... ..	—	—	—	1	—
23	14/209	Tickler ... ..	1	—	1	1	—
24	302/010	Tickler ... ..	—	—	—	—	1
25	14/210	Stop, tickler ... ..	1	—	1	1	—
26	14/032	Spring, tickler ... ..	1	—	1	1	1
27	14/289	Cotter, tickler ... ..	1	—	1	1	—
28	14/033	Cotter, tickler ... ..	—	—	—	—	1
29	14/189	Washer, tickler ... ..	—	—	—	—	1
30	302/045-6	Base plug and guide ... ..	—	—	—	—	1
31	14/252	Washer, base plug ... ..	—	—	—	—	1
32	64/353	Screw, platform plug ... ..	1	—	1	1	—
33	14/232	Screw, platform plug ... ..	—	—	—	—	1
34	23/110	Washer, platform plug screw ... ..	1	—	1	1	—
35	14/241	Washer, platform plug screw ... ..	—	—	—	—	1
36	14/178	Locknut, seating ... ..	1	—	1	—	—
37	14/175	Washer, seating ... ..	1	—	1	—	—
38	14/043	Connection, banjo ... ..	—	—	—	1	—
39	14/250	Connection, banjo ... ..	—	—	—	—	1
40	14/036	Nut, banjo connection ... ..	—	—	—	1	—
41	14/255	Nut, banjo connection ... ..	—	—	—	—	1
42	14/037	Washer, banjo connection ... ..	—	—	—	2	—
43	14/275	Washer, banjo connection ... ..	—	—	—	—	2
44	14/042	Nut, petrol pipe union ... ..	—	—	—	2	2
45	14/026	Nipple, petrol pipe union ... ..	—	—	—	2	2
46	NA43	Washer, carburetter flange ... ..	1	—	—	—	—
47	NA43A	Washer, carburetter flange ... ..	—	—	2	2	1
48	E2968	Block, insulating ... ..	—	—	1	1	—

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

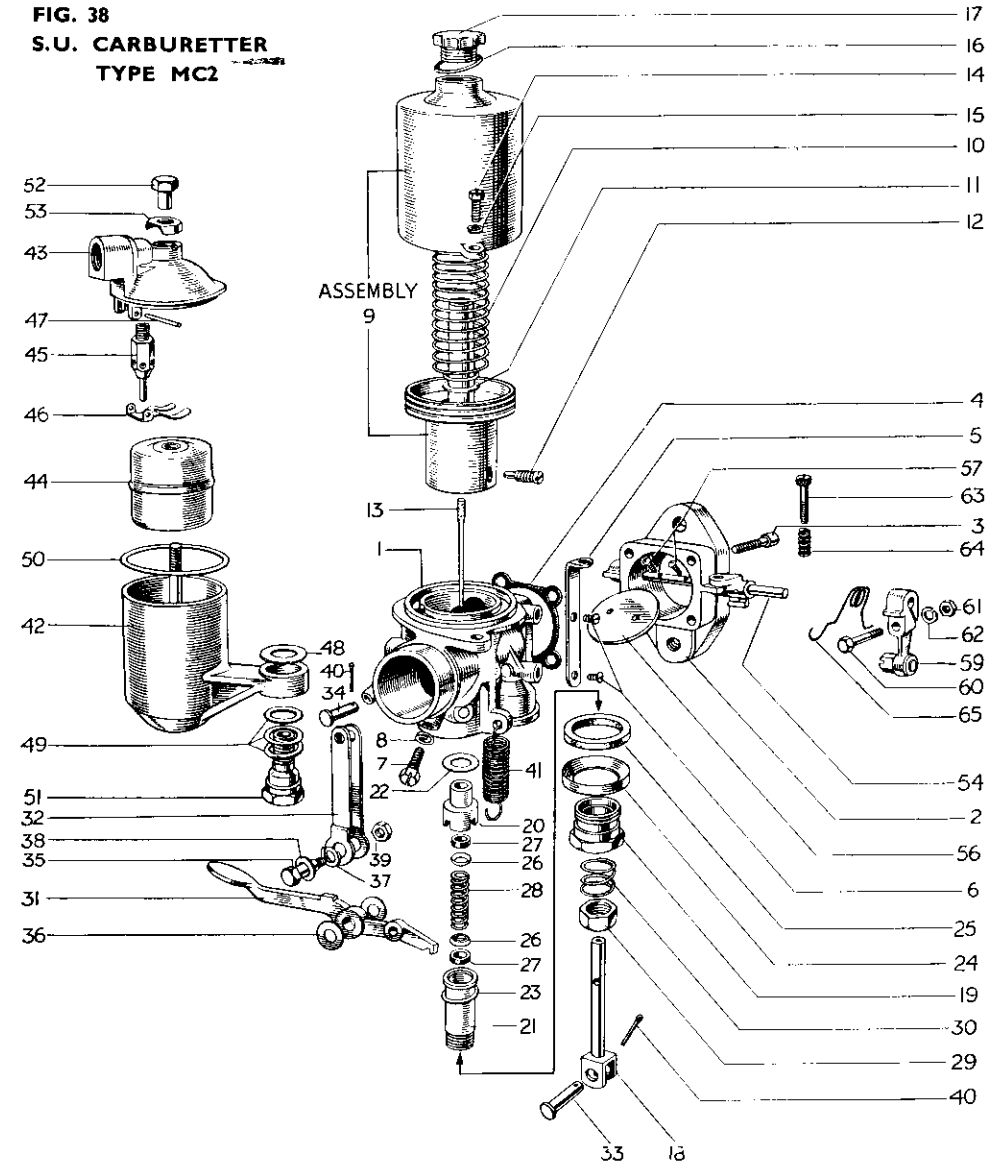
S.U. CARBURETTOR—GROUP 36

1	AUC603	Carburettor MC2 Less Triumph fittings	...	...	...	...	...	...	...
FITTINGS (TRIUMPH)									
2	F3339	Vent pipe, carburettor to air filter	...	...	...	...	...	...	...
3	E3075	Washer, carburettor flange	...	...	...	...	...	...	...

FIG. 38 INDEX

Illust. No.	Part No.	Page No.	Ref. No.	Illust. No.	Part No.	Page No.	Ref. No.
1	AUC7023	109	1	33	108	110	25
2	AUC4923	109	2	34	381	110	26
3	4805	109	3	35	4884/1	110	27
4	4804	109	4	36	4885	110	28
5	AUC1011	109	5	37	4875/2	110	29
6	5073	109	6	38	5023	110	30
7	4857	109	7	39	156	110	31
8	1863	109	8	40	109	110	32
9	AUC8006	110	1	41	4872/1	110	33
10	4387	110	2	42	1216	110	34
11	3071	110	3	43	4517	110	35
12	149	110	4	44	1223	110	36
13	M9	110	5	45	1121/1859	110	37
14	4857	110	6	46	1981	110	38
15	1863	110	7	47	1251	110	39
16	4900	110	8	48	130	111	1
17	4920	110	9	49	5026/7	111	2
18	112/4931	110	10	50	1412	111	3
19	3232	110	11	51	1541/3	111	4
20	3230	110	12	52	1163	111	5
21	3231	110	13	53	1606	111	6
22	122	110	14	54	4901/4807	111	7
23	3233	110	15	56	169	111	8
24	117	110	16	57	1358	111	9
25	118	110	17	59	1500/6	111	11
26	119/1	110	18	60	694	111	12
27	120	110	19	61	156	111	13
28	1158	110	20	62	246	111	14
29	121	110	21	63	3464	111	15
30	114	110	22	64	3465	111	16
31	4882	110	23	65	5070	111	17
32	4883	110	24				

FIG. 38  
S.U. CARBURETTOR  
TYPE MC2



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

CARBURETTOR BODY

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

REF. No.	PART No.	DESCRIPTION	5T	6T	TR5	T100	T110
<b>SUCTION CHAMBER</b>							
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	—	—	—
<b>JET ASSEMBLY</b>							
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	—	—	—
<b>JET LEVER AND LINKAGE</b>							
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	—	—	—
<b>FLOAT CHAMBER</b>							
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	—	—	—

REF. No.	PART No.	DESCRIPTION	5T	6T	TR5	T100	T110
1	130	Washer, fibre	—	1	—	—	—
2	5026, 7	Washer, set—2 fibre, 1 brass	—	1	—	—	—
3	1412	Washer, float chamber lid	—	1	—	—	—
4	1541, 3	Bolt, holding	—	1	—	—	—
5	1163	Nut, float lid	—	1	—	—	—
6	1606	Cap, brass	—	1	—	—	—
<b>THROTTLE</b>							
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	—	—	—
<b>CHAIN—GROUP 37</b>							
18	D120	Chain, primary 78L × 1/2" × .305" (solo)	—	1	—	—	—
19	D121	Chain, primary 77L × 1/2" × .305" (sidecar)	—	1	—	—	—
20	D40	Chain, primary 80L × 1/2" × .305" (solo)	—	1	—	—	—
21	D120	Chain, primary 78L × 1/2" × .305" (sidecar)	—	1	—	—	—
22	D244	Chain, primary 76L × 1/2" × .305"	—	—	1	—	—
23	D301	Chain, primary 70L × 1/2" × .305"	—	—	—	1	1
24	D8	Chain, rear 92L × 5/8" × 3/8"	—	1	1	—	—
25	D69	Chain, rear 90L × 5/8" × 3/8"	—	—	—	1	—
26	D304	Chain, rear 100L × 5/8" × 3/8"	—	—	—	—	1
27	D310	Chain, rear 101L × 5/8" × 3/8"	—	—	—	—	1
28	110-046, 49	Kit, primary chain spare parts	—	1	1	1	1
29	100-056, 59	Kit, rear chain spare parts	—	1	1	1	1



**GROUP 38 — LUCAS LIGHTING AND IGNITION EQUIPMENT**  
(DYNAMO AND MAGNETO)

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

**LUCAS LIGHTING AND IGNITION EQUIPMENT—GROUP 38**

(For Models fitted with Dynamo and Magneto)

**DYNAMO (TYPE E3L-LIO)**

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

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

31	37127H	Regulator, complete ... ..	—	—	1	1	1
32	335361	Cover, cut out ... ..	—	—	1	1	1
33	335407	Screw, cover fixing ... ..	—	—	1	1	1
34	F1369	Bolt unit rear stays ... ..	—	—	2	2	2
35	F879	Nut, for F1369 ... ..	—	—	2	2	2
36	E1612	Washer, for F879 ... ..	—	—	2	2	2

**LUCAS LIGHTING AND IGNITION EQUIPMENT — GROUP 38**  
(DYNAMO AND MAGNETO) © HDT 2001

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

**HEADLAMP NACELLE (TYPE MCF700)**

1	50943B	Headlamp assembly ... ..	—	—	—	1	1
2	553248	Rim, front ... ..	—	—	—	1	1
3	534296	Screw and plate, front rim fixing ... ..	—	—	—	1	1
4	553925	Glass and reflector unit ... ..	—	—	—	1	1
5	553267	Ring, lamp fixing... ..	—	—	—	1	1
6	859598	Adaptor, bulb ... ..	—	—	—	1	1
7	504665	Fixing wire, light unit ... ..	—	—	—	6	6
8	312	Bulb, pre-focused 30/24W. ... ..	—	—	—	1	1
9	H689	Screw, lamp fixing ring ... ..	—	—	—	2	2
10	H690	Nut, lamp fixing ring screw ... ..	—	—	—	2	2

**HEADLAMP (TROPHY)**

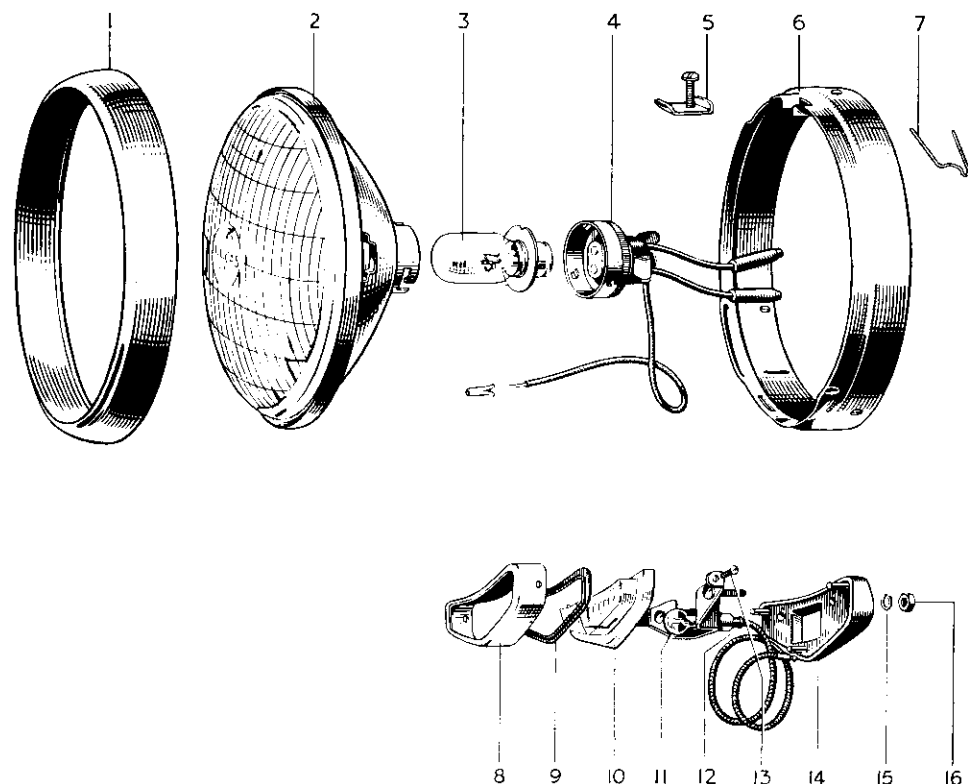
11	50791A	Headlamp assembly ... ..	—	—	1	—	—
12	509484	Rim, lamp... ..	—	—	1	—	—
13	550875	Glass, lamp ... ..	—	—	1	—	—
14	553147	Reflector assembly ... ..	—	—	1	—	—
15	553065	Bead, rubber joint ... ..	—	—	1	—	—
16	500291	Wire, glass fixing ... ..	—	—	4	—	—
17	509936	Catch assembly, rim ... ..	—	—	1	—	—
18	504801	Holder, main bulb c/w clip and screw ... ..	—	—	1	—	—
19	551807	Clip and Screw, bulb holder ... ..	—	—	1	—	—
20	186181	Screw, bulb holder clip ... ..	—	—	1	—	—
21	500181	Interior, pilot bulb ... ..	—	—	1	—	—
22	859260;809795	Plug and Socket ... ..	—	—	1	—	—
23	36084	Ammeter ... ..	—	—	1	—	—
24	31315	Switch, light ... ..	—	—	1	—	—
25	308312	Panel, instrument ... ..	—	—	1	—	—
26	516183	Beading, instrument panel ... ..	—	—	1	—	—
27	186130	Screw, instrument panel ... ..	—	—	4	—	—
28	188818	Nipple, cable fixing ... ..	—	—	1	—	—
29	200	Bulb, pilot 3w ... ..	—	—	1	—	—
30	168	Bulb, main 30—30w ... ..	—	—	1	—	—

**PILOT LAMP (TYPE 517)**

31	52184	Pilot lamp assembly ... ..	—	—	—	1	1
32	516556	Rim, lamp... ..	—	—	—	1	1
33	516395	Bead, lamp rubber ... ..	—	—	—	1	1
34	516386	Lens, lamp glass ... ..	—	—	—	1	1
35	553780	Interior, lamp ... ..	—	—	—	1	1
36	516553	Gasket, lamp to nacelle ... ..	—	—	—	1	1
37	136231	Screw, rim to lamp body ... ..	—	—	—	2	2
38	166014	Nut, lamp body to nacelle ... ..	—	—	—	2	2
39	185037	Washer, lamp body to nacelle ... ..	—	—	—	2	2
40	988	Bulb, pilot ... ..	—	—	—	1	1

**GROUP 38 — LUCAS LIGHTING AND IGNITION EQUIPMENT**  
(DYNAMO AND MAGNETO)

**LUCAS LIGHTING AND IGNITION EQUIPMENT — GROUP 38**  
(DYNAMO AND MAGNETO)



**FIG. 39. HEAD AND PILOT LAMP**

**INDEX FOR DYNAMO CONDITION**

Illust. No.	Part No.	Page No.	Ref. No.	Illust. No.	Part No.	Page No.	Ref. No.
1	553248	113	2	9	516395	113	33
2	553925	113	4	10	516386	113	34
3	312	113	8	11	988	113	40
4	859598	113	6	12	553780	113	35
5	534296	113	3	13	136231	113	37
6	553267	113	5	14	516553	113	36
7	553267	113	5	15	185037	113	39
8	516556	113	32	16	166014	113	38

**INDEX FOR "AC" CONDITION**

Illust. No.	Part No.	Page No.	Ref. No.	Illust. No.	Part No.	Page No.	Ref. No.
1	553248	119	13	9	516395	119	24
2	553925	119	15	10	516386	119	25
3	312	119	19	11	988	119	31
4	859598	119	17	12	553780	119	26
5	534296	119	14	13	136231	119	28
6	553267	119	16	14	516553	119	27
7	504665	119	18	15	185037	119	30
8	516556	119	23	16	166014	119	29

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

**TAIL LAMP (STOP LIGHT PATTERN) (TYPE 525)**

1	53269A	Stop and tail lamp combined	—	—	1	1	1
2	573819	Lens assembly	—	—	1	1	1
3	573814	Gasket, rubber	—	—	1	1	1
4	572702	Screw, lens fixing	—	—	2	2	2
5	860428	Interior	—	—	1	1	1
6	573825	Grommet	—	—	1	1	1
7	352	Bulb, 3-18w.	—	—	1	1	1
8	31281B	Switch, tail lamp stop	—	—	1	—	—
9	*31383	Switch, tail lamp stop	—	—	—	1	1
10	F3157	Bracket, tail lamp stop switch	—	—	1	—	—
11	H687	Screw, tail lamp stop switch	—	—	2	2	2
12	GS299	Washer, tail lamp stop switch	—	—	2	2	2
13	H745	Nut, tail lamp stop switch	—	—	2	—	—
14	F3158	Spring, switch to brake rod	—	—	1	—	—
15	T988	Clip, spring to brake rod	—	—	1	—	—
16	H687	Screw, clip to brake rod	—	—	1	—	—
17	GS299	Washer, clip to brake rod	—	—	1	—	—
18	H745	Nut, clip to brake rod	—	—	1	—	—

\* For T100 and T110 models before engine No. 51200 use 31437A switch and 315738 link spring.

**WIRING HARNESS**

19	997911/860613	Harness wiring (Home)	—	—	—	1	1
20	997911/860614	Harness wiring (Export)	—	—	—	1	1
21	860613	Lead, dipper switch (Home)	—	—	—	1	1
22	860614	Lead, dipper switch (Export)	—	—	—	1	1
23	994511	Harness assembly	—	—	1	—	—
24	990521	Harness, dynamo to regulator	—	—	1	—	—
25	858020	Harness, horn and cut-out button	—	—	1	—	—

**NACELLE INSTRUMENT PANEL**

26	31371B	Switch, lighting	—	—	—	1	1
27	351567	Lever and screw, switch	—	—	—	1	1
28	36129A	Ammeter	—	—	—	1	1
29	31376A	Button, cut-out	—	—	—	1	1

**HANDLEBAR SWITCHES AND PUSHBUTTONS**

30	31405A	Switch, dipper	—	—	—	1	1
31	31221A	Switch, dipper	—	—	1	—	—
32	H689	Screw, switch to lever clamp	—	—	—	2	2
33	76200A	Button, horn push	—	—	—	1	1
34	76204A	Button, horn push and cut out	—	—	2	—	—

**GROUP 38 — LUCAS LIGHTING AND IGNITION EQUIPMENT**  
(DYNAMO AND MAGNETO)

REF. No.	PART No.	DESCRIPTION	5T	6T	TR5	T100	T110
<b>HORN (TYPE HF1441)</b>							
1	70048F	Horn, complete ...	—	—	—	1	1
2	70048D	Horn, complete ...	—	—	1	—	—
3	701851	Bracket, horn ...	—	—	—	1	1
4	F3035	Bracket, horn (saddle stud fitting)	—	—	1	—	—
5	700920	Bracket, horn angle ...	—	—	—	1	1
6	142689	Screw, horn bracket ...	—	—	—	2	2
7	185051	Washer, horn bracket ...	—	—	—	2	2
8	DS57	Bolt, horn bracket to lug ...	—	—	—	2	2
9	S26-2	Washer, horn bracket to lug ...	—	—	—	2	2
<b>BATTERY (TYPE PU7E-9)</b>							
10	PU7E-9	Battery ...	—	—	1	1	1
11	4179504	Plug, vent ...	—	—	3	3	3
12	4189048	Connection, battery lead "+"	—	—	1	1	1
13	4189040	Connection, battery lead "—"	—	—	1	1	1
14	4188743	Socket, connection "+"	—	—	1	1	1
15	4188744	Socket, connection "—"	—	—	1	1	1
<b>MAGNETO (TYPE RO 1053)</b>							
16	42264B	Magneto, manual...	—	—	1	1	1
17	458333	Armature assembly ...	—	—	1	1	1
18	455361	Slip ring ...	—	—	1	1	1
19	189291	Bearing, contact end ...	—	—	1	1	1
20	189244	Bearing, drive end ...	—	—	1	1	1
21	458339	Condenser assembly ...	—	—	1	1	1
22	458619	Cover, contact breaker ...	—	—	1	1	1
23	470534	Contact breaker assembly ...	—	—	1	1	1
24	122160	Screw, contact breaker fixing ...	—	—	1	1	1
25	470609	Contact set ...	—	—	1	1	1
26	470688	Spring set, actuating ...	—	—	1	1	1
27	470537	Brush and spring C.B. earth ...	—	—	1	1	1
28	127124	Screw C.B. end, countersunk head ...	—	—	1	1	1
29	185307	Washer, C.B. end ...	—	—	1	1	1
30	458355	Washer C.B. end, end plate shim ...	—	—	1	1	1
31	458356	Washer, C.B. end ...	—	—	1	1	1
32	458725	Cam assembly ...	—	—	1	1	1
33	458726	End plate assembly ...	—	—	1	1	1
34	451379	Cup, bearing insulating ...	—	—	2	2	2
35	455191	Brush, spring and holder (magneto end)	—	—	1	1	1
36	455190	Brush and spring...	—	—	1	1	1
37	458370	Spring pin, pick up fixing ...	—	—	2	2	2
38	459002	Seal, rubber oil ...	—	—	1	1	1
39	458368	Pick up with brush and spring (L.H.)	—	—	1	1	1
40	458367	Pick up with brush and spring (R.H.)...	—	—	1	1	1
41	451260	Brush and spring, pick up ...	—	—	2	2	2
42	463107	Control parts set (manual) ...	—	—	1	1	1
43	454475	Cap, control (rubber) ...	—	—	1	1	1
44	415116	Spanner and point gauge ...	—	—	1	1	1
45	E2415	Clip, H.T. lead ...	—	—	1	1	1

**LUCAS LIGHTING AND IGNITION EQUIPMENT — GROUP 38**  
(DYNAMO AND MAGNETO) © HDJ 2001

REF. No.	PART No.	DESCRIPTION	5T	6T	TR5	T100	T110
<b>MAGNETO (WADER TYPE)</b>							
1	42301	Magneto, manual...	—	—	1	1	1
2	458333	Armature assembly ...	—	—	1	1	1
3	455361	Slip ring ...	—	—	1	1	1
4	189291	Bearing, contact end ...	—	—	1	1	1
5	189244	Bearing, drive end ...	—	—	1	1	1
6	458339	Condenser assembly ...	—	—	1	1	1
7	458619	Cover, contact breaker ...	—	—	1	1	1
8	470534	Contact breaker assembly ...	—	—	1	1	1
9	122160	Screw, contact breaker fixing ...	—	—	1	1	1
10	470609	Contact set ...	—	—	1	1	1
11	470688	Spring set, actuating ...	—	—	1	1	1
12	470537	Brush and spring C.B. earth ...	—	—	1	1	1
13	150964	Screw, C.B. end, countersunk head ...	—	—	1	1	1
14	185037	Washer, C.B. end ...	—	—	1	1	1
15	452906	Washer, C.B. end plate shim ...	—	—	1	1	1
16	452907	Washer, C.B. end ...	—	—	1	1	1
17	458854	Cam assembly ...	—	—	1	1	1
18	459279	End plate assembly ...	—	—	1	1	1
19	451379	Cup, bearing insulating C.B. end ...	—	—	1	1	1
20	459005	Cup, bearing insulating D.E. end ...	—	—	1	1	1
21	455191	Brush, spring and holder (Magneto end)	—	—	1	1	1
22	455190	Brush and spring...	—	—	1	1	1
23	145079	Screw, pick-up fixing ...	—	—	4	4	4
24	459002	Seal, rubber oil ...	—	—	1	1	1
25	458876	Pick up with brush and spring L.H. ...	—	—	1	1	1
26	458876	Pick up with brush and spring R.H. ...	—	—	1	1	1
27	451260	Brush and spring, pick up ...	—	—	2	2	2
28	457117	Control parts set (Manual) ...	—	—	1	1	1
29	454475	Cap, control (rubber) ...	—	—	1	1	1
30	415116	Spanner and point gauge ...	—	—	1	1	1
31	E2415	Clip, H.T. lead ...	—	—	1	1	1
32	455734	Clip, cap ...	—	—	2	2	2

**ALWAYS CONTACT THE  
LOCAL LUCAS DEPOT  
FOR REPLACEMENT  
PARTS AND SERVICE  
EXCHANGE UNITS**

**GROUP 39 — LUCAS LIGHTING AND IGNITION EQUIPMENT (ALTERNATOR)**

**LUCAS LIGHTING AND IGNITION EQUIPMENT (ALTERNATOR) — GROUP 39** © HDT 2001

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

**LUCAS LIGHTING AND IGNITION EQUIPMENT—GROUP 39**

**FOR SPEEDTWIN (5T) AND THUNDERBIRD (6T) MODELS  
FITTED WITH RM 14 ALTERNATOR EQUIPMENT**

**ALTERNATOR (RM14)**

1	047507	Alternator assembly ... ..	1	1	—	—	—
2	E2147	Screw, alternator stator to crankcase ... ..	5	5	—	—	—
3	465672	Washer, alternator locking ... ..	1	1	—	—	—

**RECTIFIER (TYPE FSW.1500A)**

4	47103A	Rectifier ... ..	1	1	—	—	—
5	F3620	Bracket, rectifier fixing ... ..	1	1	—	—	—
6	F1369	Bolt, rectifier front ... ..	1	1	—	—	—
7	F3584	Spacer, rectifier front bolt ... ..	1	1	—	—	—
8	E1612	Washer, rectifier front bolt ... ..	1	1	—	—	—
9	DS57	Bolt, rectifier rear ... ..	2	2	—	—	—
10	F879	Nut, rectifier rear bolt ... ..	2	2	—	—	—
11	E1612	Washer, rectifier rear bolt ... ..	2	2	—	—	—
12	F3600	Nut, rectifier to bracket ... ..	1	1	—	—	—

**IGNITION COIL (TYPE Q6)**

13	45016B	Ignition coil ... ..	1	1	—	—	—
14	408120	Nut, H.T. terminal ... ..	1	1	—	—	—
15	E3111	Bracket, coil mounting ... ..	1	1	—	—	—
16	DS57	Bolt, coil to bracket ... ..	2	2	—	—	—
17	F879	Nut, coil to bracket bolt ... ..	2	2	—	—	—
18	E2312	Washer, coil to bracket bolt ... ..	2	2	—	—	—
19	414965	Rubber cover, H.T. lead ... ..	1	1	—	—	—
20	236741	Rubber cover, L.T. lead... ..	2	2	—	—	—

**DISTRIBUTOR (TYPE RO.154)**

21	40352D	Distributor model DKX2A ... ..	1	1	—	—	—
22	406105	Plate assembly ... ..	1	1	—	—	—
23	400136	Cap, distributor ... ..	1	1	—	—	—
24	404435	Brush and spring... ..	1	1	—	—	—
25	400052	Rotor arm ... ..	1	1	—	—	—
26	400308	Condenser ... ..	1	1	—	—	—
27	400415	Contact set ... ..	1	1	—	—	—
28	415283	Cam ... ..	1	1	—	—	—
29	416031/S	Springs auto advance set ... ..	1	1	—	—	—
30	415730	Weight assembly ... ..	1	1	—	—	—
31	400001	Base only, distributor ... ..	1	1	—	—	—
32	400164	Base c/w contact points ... ..	1	1	—	—	—

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

1	421414	Shaft and action plate ... ..	1	1	—	—	—
2	420406	Bushing ... ..	1	1	—	—	—
3	400843	Sundry parts set ... ..	1	1	—	—	—
4	407131	Toggle ... ..	1	1	—	—	—
5	410591	Clip, cover retaining ... ..	1	1	—	—	—
6	E3122	Adaptor, distributor to crankcase ... ..	1	1	—	—	—
7	SI-51	Nut, distributor to crankcase ... ..	3	3	—	—	—
8	S25-3	Washer, distributor to crankcase ... ..	1	1	—	—	—
9	PCEI02F	Bolt, distributor clamp ... ..	1	1	—	—	—
10	E2312	Washer, distributor clamp ... ..	1	1	—	—	—
11	E3303	Cover, distributor protective ... ..	1	1	—	—	—

**HEADLAMP NACELLE (TYPE MCF700)**

12	50943B	Headlamp assembly ... ..	1	1	—	—	—
13	553248	Rim, front ... ..	1	1	—	—	—
14	534296	Screw and plate, front rim fixing ... ..	1	1	—	—	—
15	553925	Glass and reflector unit ... ..	1	1	—	—	—
16	553267	Ring, lamp fixing... ..	1	1	—	—	—
17	859598	Adaptor, bulb ... ..	1	1	—	—	—
18	504665	Fixing wire, light unit ... ..	6	6	—	—	—
19	312	Bulb, pre-focused 30/24W. ... ..	1	1	—	—	—
20	H689	Screw, lamp fixing ring ... ..	2	2	—	—	—
21	H690	Nut, lamp fixing ring screw ... ..	2	2	—	—	—

**PILOT LAMP (TYPE 517)**

22	52184	Pilot lamp assembly ... ..	1	1	—	—	—
23	516556	Rim, lamp... ..	1	1	—	—	—
24	516395	Bead, lamp rubber ... ..	1	1	—	—	—
25	516386	Lens, lamp glass ... ..	1	1	—	—	—
26	553780	Interior, lamp ... ..	1	1	—	—	—
27	516553	Gasket, lamp to nacelle ... ..	1	1	—	—	—
28	136231	Screw, rim to lamp body ... ..	2	2	—	—	—
29	166014	Nut, lamp body to nacelle ... ..	2	2	—	—	—
30	185037	Washer, lamp body to nacelle ... ..	2	2	—	—	—
31	988	Bulb, pilot ... ..	1	1	—	—	—

**TAIL LAMP (STOP LIGHT PATTERN) (TYPE 525)**

32	53269A	Stop and tail lamp combined ... ..	1	1	—	—	—
33	573819	Lens assembly ... ..	1	1	—	—	—
34	573814	Gasket, rubber ... ..	1	1	—	—	—
35	572702	Screw, lens fixing ... ..	2	2	—	—	—
36	860428	Interior ... ..	1	1	—	—	—
37	573825	Grommet ... ..	1	1	—	—	—
38	352	Bulb 3—18w ... ..	1	1	—	—	—
39	31281B	Switch, tail lamp stop ... ..	1	1	—	—	—

REF. No.	PART No.	DESCRIPTION	5T	6T	TR5	T100	T110
1	F3157	Bracket, tail lamp stop switch ...	1	1	—	—	—
2	H687	Screw, tail lamp stop switch ...	2	2	—	—	—
3	GS299	Washer, tail lamp stop switch ...	2	2	—	—	—
4	H745	Nut, tail lamp stop switch ...	2	2	—	—	—
5	F3158	Spring, switch to brake rod ...	1	1	—	—	—
6	T988	Clip, spring to brake rod ...	1	1	—	—	—
7	H687	Screw, clip to brake rod ...	1	1	—	—	—
8	GS299	Washer, clip to brake rod ...	1	1	—	—	—
9	H745	Nut, clip to brake rod ...	1	1	—	—	—
<b>WIRING HARNESS</b>							
10	836181	Harness, wiring (Home and Export) ...	1	1	—	—	—
11	861542	Lead, dipper switch (Home) ...	1	1	—	—	—
12	861543	Lead, dipper switch (Export) ...	1	1	—	—	—
13	414965	Grommet, H.T. Coil lead ...	1	1	—	—	—
14	236741	Grommet, L.T. Coil lead ...	2	2	—	—	—
15	458658	Grommet, H.T. Plug ...	1	1	—	—	—
<b>NACELLE INSTRUMENT PANEL</b>							
16	31443B	Switch, lighting and ignition ...	1	1	—	—	—
17	344715F	Key, ignition ...	1	1	—	—	—
18	36189A	Ammeter ...	1	1	—	—	—
<b>HANDLEBAR SWITCHES AND PUSH BUTTONS</b>							
19	31405A	Switch, dipper ...	1	1	—	—	—
20	H689	Screw, switch to lever clamp ...	2	2	—	—	—
21	76200A	Button, horn push ...	1	1	—	—	—
<b>HORN</b>							
22	70048F	Horn, complete ...	1	1	—	—	—
23	701851	Bracket, horn ...	1	1	—	—	—
24	700920	Bracket, horn angle ...	1	1	—	—	—
25	142689	Screw, horn bracket ...	2	2	—	—	—
26	185051	Washer, horn bracket ...	2	2	—	—	—
27	DS57	Bolt, horn bracket to lug ...	2	2	—	—	—
28	S26-2	Washer, horn bracket to lug ...	2	2	—	—	—
<b>BATTERY (TYPE PU7E-9)</b>							
29	PU7E-9	Battery ...	1	1	—	—	—
30	4179504	Plug, vent ...	3	3	—	—	—
31	4189048	Connection, battery lead "+"	1	1	—	—	—
32	4189040	Connection, battery lead "-"	1	1	—	—	—
33	4188743	Socket, connection "+"	1	1	—	—	—
34	4188744	Socket, connection "-"	1	1	—	—	—

REF. No.	PART No.	DESCRIPTION	5T	6T	TR5	T100	T110
<b>SADDLE—GROUP 40</b>							
<b>TERRY</b>							
1	F1729T	Saddle, complete...	1	1	—	—	—
2	F1729A	Cover, saddle seat ...	1	1	—	—	—
3	F2835	Spring, saddle main ...	2	2	—	—	—
4	F1729K	Spring, saddle seat, 1 $\frac{3}{8}$ " ...	7	7	—	—	—
5	F1729H	Spring, saddle seat 7" ...	2	2	—	—	—
6	F1729G	Spring, saddle seat, 7 $\frac{1}{2}$ " ...	2	2	—	—	—
7	F1729F	Spring, saddle seat, 7 $\frac{1}{4}$ " ...	9	9	—	—	—
8	F847	Stud, saddle spring to frame ...	2	2	—	—	—
9	W76	Nut, saddle spring to frame ...	8	8	—	—	—
10	S25-2	Washer, saddle spring to frame ...	6	6	—	—	—
11	NA64J	Bolt and nut, saddle nose ...	1	1	—	—	—
<b>LYCETT</b>							
12	F1729T	Saddle, complete...	1	1	—	—	—
13	F1729B	Cover saddle seat ...	1	1	—	—	—
14	F2835	Spring, saddle main ...	2	2	—	—	—
15	F1729N	Spring, saddle seat, 2 $\frac{1}{4}$ " ...	7	7	—	—	—
16	F1729P	Spring, saddle seat, 7 $\frac{1}{8}$ " ...	4	4	—	—	—
17	F1729Q	Spring, saddle seat, 7 $\frac{1}{2}$ " ...	11	11	—	—	—
18	F847	Stud, saddle spring to frame ...	2	2	—	—	—
19	W76	Nut, saddle spring to frame ...	8	8	—	—	—
20	S25-2	Washer, saddle spring to frame ...	6	6	—	—	—
21	NA64J	Bolt and nut, saddle nose ...	1	1	—	—	—
22	F2992	Saddle, complete...	—	—	1	—	—
23	F2992A	Cover, saddle seat ...	—	—	1	—	—
24	F2992B	Spring, saddle main ...	—	—	2	—	—
25	F2992C	Elastic, saddle seat, 11 $\frac{1}{2}$ " ...	—	—	2	—	—
26	F2992D	Elastic, saddle seat, 13 $\frac{3}{8}$ " ...	—	—	3	—	—
27	F3305	Bracket, saddle to seat lug ...	—	—	1	—	—
28	F3065	Distance tube, bracket ...	—	—	1	—	—
29	F3066	Bolt, saddle to bracket ...	—	—	1	—	—
30	SI-51	Nut, saddle to bracket bolt ...	—	—	1	—	—
31	E2593	Bolt, bracket upper ...	—	—	1	—	—
32	SI-51	Nut, bracket upper bolt ...	—	—	1	—	—
33	E2287	Washer, bracket upper bolt ...	—	—	1	—	—
34	F929	Bolt, bracket lower ...	—	—	1	—	—
35	E2287	Washer, bracket lower bolt ...	—	—	1	—	—
36	F3032	Extension piece, saddle plain ...	—	—	1	—	—
37	F3031	Extension piece, saddle tapped ...	—	—	1	—	—
38	FI369	Bolt, extension to saddle ...	—	—	4	—	—
39	F879	Nut, extension to saddle bolt ...	—	—	4	—	—
40	F2720	Stud, saddle spring to frame ...	—	—	2	—	—
41	W76	Nut, saddle spring to frame ...	—	—	6	—	—
42	W630	Nut, saddle spring to frame (under spring) ...	—	—	2	—	—
43	S25-2	Washer, saddle spring to frame ...	—	—	6	—	—

**GROUP 41 — PILLION SEAT**  
**GROUP 42 — TWINSEAT**  
**GROUP 43 — SPARKING PLUG**  
**GROUP 44 — SPEEDOMETER**

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

**PILLION SEAT—GROUP 41**

1	NF761	Pillion seat complete	1	1	1	—	—
2	F2660	Backing plate, pillion seat	—	—	2	—	—
3	S23-42	Bolt, pillion seat fixing	4	4	4	—	—
4	S4-9	Nut, pillion seat bolt	4	4	4	—	—
5	S25-1	Washer, pillion seat bolt	4	4	4	—	—

**TWINSEAT—GROUP 42**

6	F3153	Twinseat, complete with all attachments	1	1	—	—	—
7	F3647	Twinseat, complete with all attachments	—	—	—	1	1
8	F3122	Bracket, centre	1	1	—	—	—
9	F879	Nut, centre bracket	2	2	—	—	—
10	E1612	Washer, centre bracket	2	2	—	—	—
11	F1760	Bolt, centre bracket to seat lug	2	2	—	—	—
12	W76	Nut, centre bracket to seat lug	2	2	—	—	—
13	S25-2	Washer, centre bracket to seat lug	2	2	—	—	—
14	E2593	Bolt, nose bracket	1	1	—	1	1
15	SI-51	Nut, nose bracket	1	1	—	1	1
16	E2287	Washer, nose bracket	1	1	—	1	1
17	DS58	Bolt, rear bracket to mudguard	2	2	—	—	—
18	SI-51	Nut, rear bracket to mudguard	2	2	—	—	—
19	S25-3	Washer, rear bracket to mudguard (plain)	4	4	—	—	—
20	E2287	Washer, rear bracket to mudguard (serrated)	2	2	—	—	—

**SPARKING PLUG—GROUP 43**

21	L10S	Plug, sparking (Champion)	2	2	—	—	—
22	NA10	Plug, sparking (Champion)	—	—	2	2	—
23	L11S	Plug, sparking (Champion)	—	—	—	—	2
24	*LA11	Plug, sparking (Champion)	—	—	—	—	2
25	D297	Cover and Suppressor, plug	2	2	2	2	2

\*For maximum performance with 220 main jet.

**SPEEDOMETER—GROUP 44**

26	S467/99/L	Speedometer head 120 M.P.H.	1	—	—	1	—
27	S467/107/L	Speedometer head 120 M.P.H.	—	1	—	—	1
28	S491/3/L	Speedometer head 120 M.P.H.	—	—	1	—	—
29	S467/23/L	Speedometer head 180 K.P.H.	1	—	—	1	—
30	S467/47/L	Speedometer head 180 K.P.H.	—	1	—	—	1
31	S491/7/L	Speedometer head 180 K.P.H.	—	—	1	—	—

**SPEEDOMETER — GROUP 44**  
**SUSPENSION UNIT — GROUP 45**

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

1	DS40	Bracket, speedometer head	—	—	1	—	—
2	DS57	Bolt, bracket	—	—	2	—	—
3	S26-2	Washer, bracket	—	—	2	—	—
4	P53279/1	Bulb holder c/w bulb	1	1	1	1	1
5	P52305	Bulb only	1	1	1	1	1
6	P22469	Rubber ring, speedometer head	1	1	—	1	1
7	25578/2	Clamp-bar	1	1	—	1	1
8	NI253	Nut, clamp-bar	2	2	—	2	2
9	D273	Cable, speedometer drive (45" long)	1	1	—	—	—
10	D245A	Cable, speedometer drive (44" long)	—	—	1	—	—
11	D245	Cable, speedometer drive (44" long)	—	—	—	1	1
12	F3098	Clip, speedometer cable	1	1	1	1	1

**SPEEDOMETER DRIVE AT GEARBOX**

13	T924	Pinion, standard ratio layshaft 10T	1	1	—	1	1
14	T973	Pinion, wide ratio layshaft 8T	—	—	1	—	—
15	T925	Peg, pinion to layshaft	1	1	1	1	1
16	T934	Gear, standard ratio driven 16T	1	1	—	1	1
17	T975	Gear, wide ratio driven 15T	—	—	1	—	—
18	T825	Washer, gear thrust	1	1	1	1	1

**SUSPENSION UNIT (GIRLING)—GROUP 45**

19	S/MDA/4/4	Suspension unit, cte (Girling)	—	—	—	2	2
20	*S/MDA/4/4NF	Suspension unit, cte (Girling)	—	—	—	2	2
21	MDA/4/4	Damper unit only	—	—	—	2	2
22	9054/63	Spring, suspension	—	—	—	2	2
23	9054/46	Dirt shield, upper	—	—	—	2	2
24	9054/47	Dirt shield, lower	—	—	—	2	2
25	9054/43	Retainer, spring	—	—	—	4	4
26	9046/471	Bush, rubber bearing	—	—	—	4	4
27	9046/862	Sleeve, bearing bush	—	—	—	4	4
28	F3605	Cover, support plate	—	—	—	2	2
29	E2113	Bolt, unit fixing	—	—	—	4	4
30	S26-1	Washer, unit fixing bolt	—	—	—	4	4
31	PO172A	Nut, unit fixing bolt	—	—	—	4	4

\*Special NON-FADE type for scrambles machines.

# GUARANTEE

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

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

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

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

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

## CONDITIONS OF GUARANTEE

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

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

## REPAIRS

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

## NOTICE

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

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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 22.
  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 23.
  4. Note that No. 4 is part number GE29, listed on page 21, Reference line No. 32.

## 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 22.
2. Noter qu'à côté du segment racleur se trouve le numéro 4.
3. Se référer à l'index donné sur la page numéro 23.
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—21.
  - (c) la ligne de référence—32.

## 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 22 befindet.
2. Die Illustration zeigt als nummer des Abstreifringes 4
3. Der hierzu in Frage kommende Index befindet sich auf Seite 23.
4. No. 4 (Nummer des Abstreifringes) traegt Teilnummer G.E. 29, aufgefuehrt auf Seite 21, Linie 32.

## 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 22.
2. Nótese que el número del segmento en la ilustración es 4.
3. Referirse al índice de la ilustración en cuestión en la página 23.
4. Notese que No. 4 es pieza número GE29 en la lista de la página 21 línea de referencia No. 32.