



REPLACEMENT PARTS CATALOGUE No. 3

"C" RANGE MODELS
TWENTY-ONE (3TA)
SPEED TWIN (5TA)
TIGER 100 (T100A)

from Engine No. H 11512

September 1959

TRIUMPH ENGINEERING COMPANY LIMITED
MERIDEN WORKS · ALLESLEY · COVENTRY · ENGLAND
TELEPHONE MERIDEN 331 · TELEGRAMS "TRUSTY COVENTRY"

PUBLISHED NOVEMBER 1960



01527 454158
sales@classicbikeshop.co.uk
www.classicbikeshop.co.uk

Classic Motorcycle Parts for BSA, Triumph, Norton, AMC, Matchless and More.

Spares include Exhausts, Silencers, British and Custom Seats, Brake and Wheel Components, Lucas Equipment, Cafe Racer Parts, Engine and Frame Parts and thousands more items.



Classic Bike Shop Ltd is a long established business with its roots dating back to the 1950's. Based in Redditch Worcestershire. We provide an online mail order service supplying classic motorcycle parts directly to customers both locally and worldwide. We have an extensive range of classic bike parts and spares for Triumph, BSA, Norton, AMC, Matchless models and other vintage bikes. We also have a section on the website for cafe racers, bobbers and custom bikes if you are looking for something a little different to get that unique look.



PREFACE

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

HOW TO ORDER. Every part is indicated by number, and this should be quoted together with the description. In order to assist customers, dimensions have been given in many cases where parts are similar. Parts where possible have been listed in order of assembly and a number of the illustrations show the assembly order also. With these aids there should be no difficulty in identifying the parts you require. **Always head your order with the engine number, stamped on the left 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

25/2/60

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

Engine No. 3TA-H5530

Please supply:—

1 CP. 164/20
1 E3208

Piston Assembly. $+.020$ in.
Inlet valve guide

*Send C.O.D.

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

**For terms of business see page 4.*

TELEGRAPHIC ORDERS. Orders by telegram should be addressed to "Trusty 20221 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. 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 fitments such as windscreens, 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 4.

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

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

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

TERMS OF BUSINESS

The most convenient method of paying for Spare Parts is by the C.O.D. system. By this method you pay the postman for the goods when he delivers them to you. As the minimum C.O.D. collection fee is 1/2d., 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 "Barclays 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 5% on the value of the goods, minimum charge 1/-. Packing boxes, cases, crates, etc., are charged for at cost and are returnable.

PROPRIETARY GROUP

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

CARBURETTORS

Messrs. Amal Ltd.,
Holdford Rd., Witton, Birmingham 6.

CHAINS

Renold Chains Ltd.,
Wythenshawe, Manchester.

ELECTRICAL EQUIPMENT

Messrs. J. Lucas Ltd.,
Gt. Hampton St., Birmingham, 18.

TYRES

Dunlop Rubber Co. Ltd.,
Fort Dunlop,
Birmingham, 24.

SPARKING PLUGS

Champion Sparking Plug Co. Ltd.,
Feltham, Middlesex.

K.L.G. Sparking Plugs Ltd.,

Cricklewood Works, London, N.W.2.

Lodge Plugs Ltd.,

Rugby, Warwickshire.

SPEEDOMETERS

Messrs. Smiths Motor Accessories Ltd.,
Cricklewood Works, London, N.W.2.

SUSPENSION UNITS

Messrs. Girling Ltd.,
Kings Road, Tyseley, Birmingham, 11.

TRIUMPH GUARANTEE

1. In this Guarantee the word "machine" refers to the motor cycle, scooter, motor-cycle combination or sidecar as the case may be, purchased by the Purchaser.
2. In order to obtain the benefit of this Guarantee, the Purchaser must have correctly completed the registration form and returned it to us within fourteen days of the purchase.
3. We will supply, free of charge, a new part in exchange for, or, if we consider repair sufficient, will repair free of charge any part proved within six months of the date of purchase of any new machine, (3 months overseas) or within three months of its renewal or repair in the case of a part already renewed or repaired, to be defective by reason of our faulty workmanship or materials. We do not undertake to bear the cost of fitting such new or repaired part or accessory.
4. Any part considered to be defective must be sent to our Works, carriage paid, accompanied by the following information:—
 - (a) Name of purchaser and his address;
 - (b) Date of purchase of machine;
 - (c) Name of dealer from whom the purchase was made;
 - (d) Engine number and model.
5. This Guarantee shall not extend to defect or damage appearing after misuse, neglect, abnormal stress or strain, or the incorporation or affixing of unsuitable attachments or parts and in particular:—
 - (a) Hiring out;
 - (b) Racing and Competitions;
 - (c) Adaption or alteration of any part or parts after leaving our Works;
 - (d) The attaching of a sidecar in a manner not approved by us or to an unsuitable motor-cycle.

This Guarantee shall not extend to machines whose trade mark, name or manufacturing number has been altered or removed, or in which has been used any part not supplied or approved by us, or to tyres, saddles, chains, speedometers, revolution counters and electrical equipment or to parts supplied to the order of the Purchaser and different from our standard specification.

6. Our liability and that of our dealer who sells the machine, shall be limited to that set out in this guarantee, and no other claims for consequential damage or injury to person or property, shall be admissible. All other conditions and warranties statutory or otherwise and whether express or implied are hereby excluded and no guarantee other than that expressly herein contained applies to the machine to which this Guarantee relates or any accessory or part thereof.

REPAIRS GUARANTEE

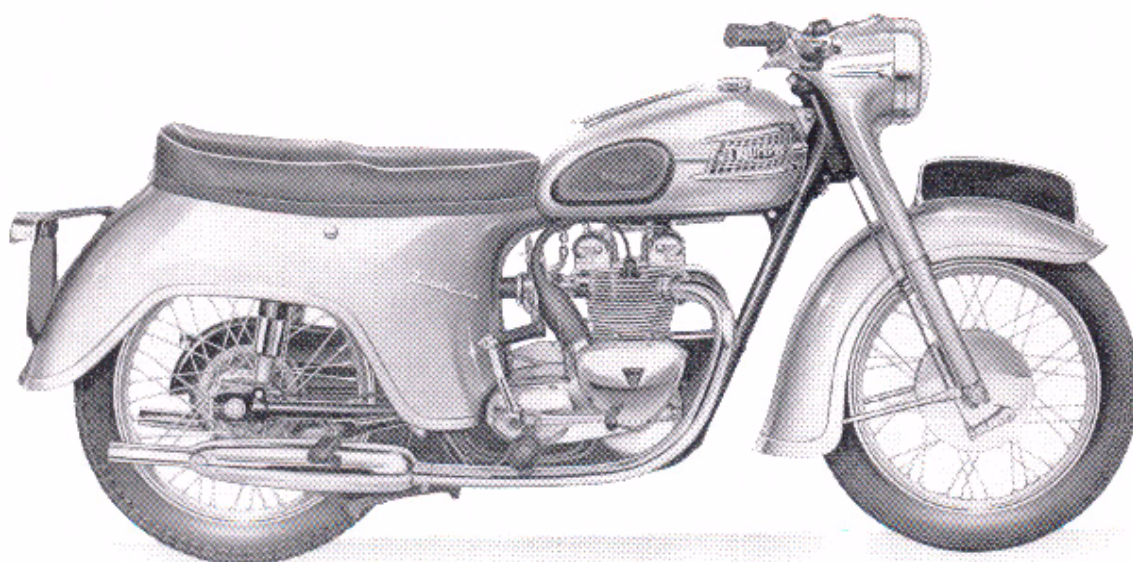
1. Whilst the highest standard of workmanship and materials is aimed at, we cannot accept liability for any defects appearing more than three months after the machine, assembly or component has left our Works after being repaired.
2. We will repair or replace at our option free of charge any defective work, materials or parts relating to the repairs carried out by us appearing within that time but shall not be under any further or other, liability for any other loss or damage whether direct or consequential and our liability shall be limited to the cost of so making good. We do not undertake to bear the cost of fitting any replacement or repaired part.
3. We do not accept liability in respect of parts of proprietary manufacture, e.g. tyres, saddles, chains speedometers, revolution counters and electrical equipment which may be used by us in effecting a repair. All other conditions and warranties statutory or otherwise express or implied are hereby excluded.

ILLUSTRATION INDEX

| <i>Fig. No.</i> | | <i>Page No.</i> |
|-----------------|---|-----------------|
| 1 | CRANKSHAFT AND CONNECTING RODS | 14 |
| 2 | CRANKCASE | 16 |
| 3 | OIL PUMP, RELEASE VALVE AND INLET MANIFOLD | 18 |
| 4 | CYLINDER BLOCK AND HEAD. 3TA | 20 |
| 5 | CYLINDER BLOCK AND HEAD. 5TA & T100A | 22 |
| 6 | GEARBOX SHAFTS, BEARINGS AND INNER COVER | 24 |
| 7 | GEARBOX OUTER COVER AND LEVERS | 26 |
| 8 | CLUTCH | 28 |
| 9 | CHAINCASE AND CHAINS | 30 |
| 10 | ENGINE FITTINGS AND EXHAUST SYSTEM | 32 |
| 11 | FRAME | 34 |
| 12 | SWINGING FORK, SUSPENSION UNITS AND CHAINGUARD | 36 |
| 13 | TELESCOPIC FRONT FORK | 38 |
| 14 | NACELLE, HEADLAMP AND SWITCHES | 40 |
| 15 | FRONT WHEEL | 42 |
| 16 | REAR WHEEL | 44 |
| 17 | QUICKLY DETACHABLE REAR WHEEL | 46 |
| 18 | MUDGUARDS AND REAR PANELS | 48 |
| 19 | TWINSEAT AND TOOLKIT | 50 |
| 20 | PETROL AND OIL TANKS | 52 |
| 21 | CONTROL CABLES, BATTERY CARRIER AND AIR FILTER | 54 |
| 22 | HANDLEBAR AND CONTROL LEVERS | 56 |
| 23 | CARBURETTER | 58 |
| 24 | DISTRIBUTOR, COIL AND SPARK PLUGS | 60 |
| 25 | SPEEDOMETER, STOP AND TAIL LAMP AND RECTIFIER | 62 |

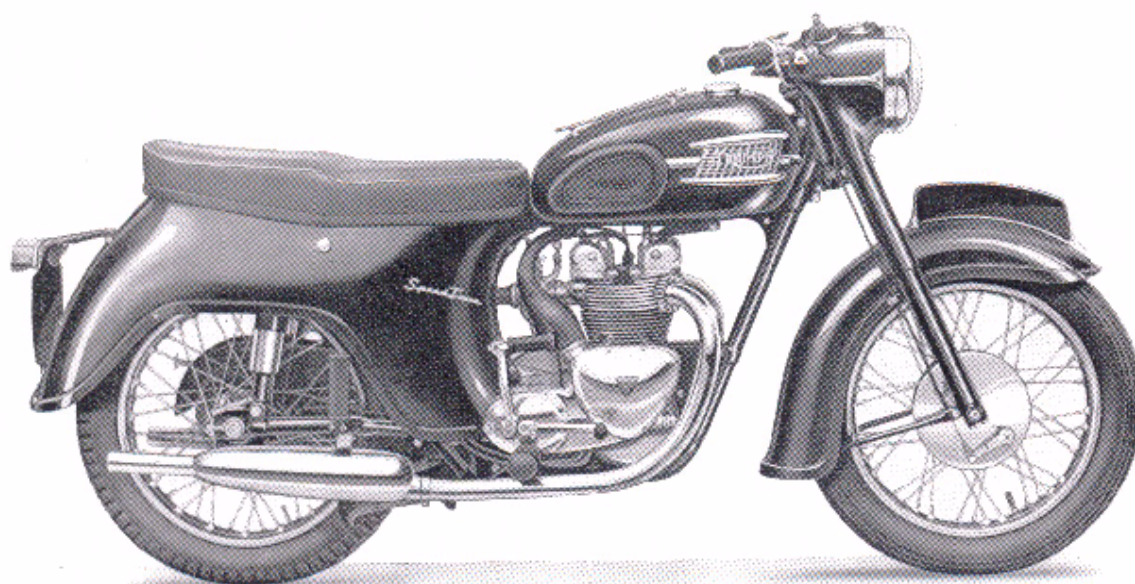
INDEX

| | Page | | Page |
|------------------------|--------|--------------------------|--------|
| AIR FILTER | 54 | MANIFOLD | 18 |
| ALTERNATOR | 30 | MUDGUARDS | 48 |
| BATTERY CARRIER | 54 | NACELLE | 40 |
| CARBURETTER | 58 | OIL PUMP | 18 |
| CARTON PACKS | 11 | OIL TANK | 52 |
| CENTRE STAND | 34 | PETROL TANK | 25 |
| CHAINCASE | 30 | PILLION FOOTRESTS | 34 |
| CHAINS | 30 | PISTONS | 14 |
| CLUTCH | 28 | PROP STAND | 34 |
| COIL | 60 | Q.D. REAR WHEEL | 46 |
| CONTROL CABLES | 54 | REAR PANELS | 48 |
| CONTROL LEVERS | 56 | REAR WHEEL | 44 |
| CRANKCASE | 16 | RECTIFIER | 62 |
| CRANKSHAFT | 14 | SILENCERS | 32 |
| CYLINDER HEAD | 20, 22 | SPARK PLUGS | 60 |
| DISTRIBUTOR | 60 | SPEEDOMETER | 62 |
| ENGINE PLATES | 32 | STEERING RACES | 34, 38 |
| EXHAUST PIPES | 32 | SUSPENSION UNITS | 36 |
| FOOTRESTS | 34 | SWITCHES | 40 |
| FRONT FORKS | 38 | TIMING GEARS | 14 |
| FRONT WHEEL | 42 | TOOLKIT | 50 |
| GASKET SETS | 12 | TWINSEAT | 50 |
| GEARBOX | 24, 26 | VALVES | 20, 22 |
| HANDLEBARS | 56 | WIRING HARNESS | 40 |
| HORN | 40 | | |



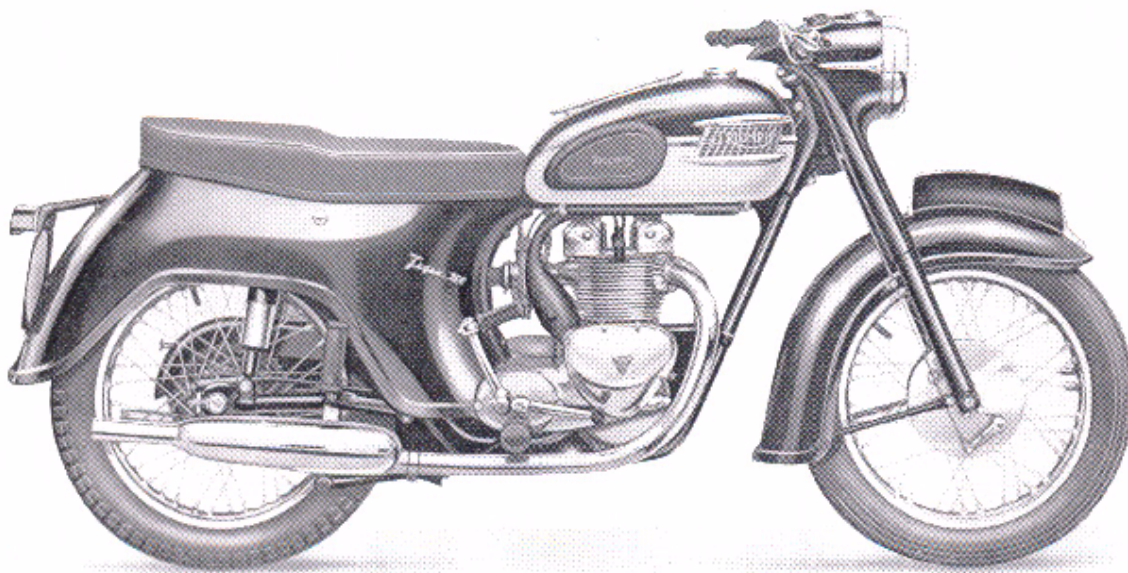
TWENTY-ONE (3TA) TECHNICAL DATA

| | | |
|-------------------|--|--|
| Bore and stroke | | 58.25 x 65.5 mm. 2.292 in. x 2.578 ins. |
| Capacity | | 348 c.c. (21.23 cu. ins.). |
| Compression Ratio | | 7.5 : 1 |
| Sparking Plugs | Champion N3, K.L.G., FE75 or Lodge HLN | |
| Carburettor | | Amal Monobloc 375 |
| | Main Jet | 100 |
| | Needle Jet | .105 |
| | Needle | Type B |
| | Throttle Valve | 375/3½ |
| | Pilot Jet | 25 |
| Gearbox Sprocket | | 18 teeth |
| Chains | Front | ¾ in. Duplex x 78 links |
| | Rear | ¾ in. x ¾ in. x 100 links |
| Capacities | Fuel Tank | 3½ galls. (16 litres) |
| | Oil Tank | 5 pints (2.8 litres) |
| | Gearbox | 2/3 pint (375 c.c.) |
| | Primary Chaincase | ½ pint (300 c.c.) |
| | Front Forks (each leg) | ¼ pint (150 c.c.) |
| Brakes | Front and Rear, diameter | 7 in. (17.78 cm.) |
| Tyre Size | Front | 3.25 x 17 |
| | Rear | 3.25 x 17 |



SPEED TWIN (5TA) TECHNICAL DATA

| | |
|-------------------|--|
| Bore and Stroke | 69 x 65.5 mm. 2.716 x 2.578 ins. |
| Capacity | 490 c.c. (29.8 cu. ins.) |
| Compression Ratio | 7 : 1 |
| Sparking Plugs | Champion N3, K.L.G. FE75 or Lodge HLN |
| Carburetter | Amal Monobloc 375 |
| | Main Jet 160 |
| | Needle Jet .105 |
| | Needle Type B |
| | Throttle Valve 375/3 |
| | Pilot Jet 25 |
| Gearbox Sprocket | 20 teeth |
| Chains | Front $\frac{3}{8}$ in. Duplex x 78 links |
| | Rear $\frac{3}{8}$ in. x $\frac{3}{8}$ in. x 101 links |
| Capacities | Fuel Tank $3\frac{1}{2}$ galls. (16 litres) |
| | Oil Tank 5 pints (2.8 litres) |
| | Gearbox $\frac{2}{3}$ pint (375 c.c.) |
| | Primary Chaincase $\frac{1}{2}$ pint (300 c.c.) |
| | Front Forks (each leg) $\frac{1}{4}$ pint (150 c.c.) |
| Brakes | Front and Rear, diameter 7 in. (17.78 cm.) |
| Tyre Size | Front 3.25 x 17 |
| | Rear 3.50 x 17 |



TIGER 100 (T100A) TECHNICAL DATA

| | | |
|-------------------|---------------------------------------|---|
| Bore and Stroke | | 69 x 65.5 mm. 2.716 x 2.578 ins. |
| Capacity | | 490 c.c. (29.8 cu. ins.) |
| Compression Ratio | | 9 : 1 |
| Sparking Plugs | Champion N3, K.L.G. FE75 or Lodge HLN | |
| Carburettor | | Amal Monobloc |
| | Main Jet | 160 |
| | Needle Jet | .105 |
| | Needle | Type B |
| | Throttle Valve | 375/3 |
| | Pilot Jet | 25 |
| Gearbox Sprocket | | 20 teeth |
| Chains | Front | $\frac{3}{8}$ in. Duplex x 78 links |
| | Rear | $\frac{3}{8}$ in. x $\frac{3}{8}$ in. x 101 links |
| Capacities | Fuel Tank | 3 $\frac{1}{2}$ galls. (16 litres) |
| | Oil Tank | 5 pints (2.8 litres) |
| | Gearbox | 2 $\frac{2}{3}$ pint (375 c.c.) |
| | Primary Chaincase | $\frac{1}{2}$ pint (300 c.c.) |
| | Front Forks (each leg) | $\frac{1}{4}$ pint (150 c.c.) |
| Brakes | Front and Rear, diameter | 7 in. (17.78 cm.) |
| Tyre Size | Front | 3.25 x 17 |
| | Rear | 3.50 x 17 |

CARTON PACK LIST

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. | | Contents |
|---|--|--|
| Brake Lining CP 38/AM2 | 2 NW243 16 W129 | Brake Lining Rivet |
| Crankcase Bearings C.P. 169 | 1 E4137 1 E3835 | Main bearing Main bearing (ball journal) |
| Fork Service Pack C.P. 168 | 2 H420 4 H430 2 H441 2 H443 2 H1062 2 H1168 | Rubber washer Fibre washer Upper bearing Lower bearing Aluminium washer Oil seal |
| Steering Races C.P. 167 | 1 H1110 1 H1140 2 H1130 48 S70-4 | Cone Cone and dust cover Cup Steel balls (3/16 in. diam.) |
| Pistons (350 c.c.) C.P. 164 | 1 E3689 1 E3691 1 E3690 1 E3692 1 E1750 2 E1767 | Piston C.R. 7.5 : 1 Compression ring (plain) Compression ring (taper) Oil control ring Gudgeon pin Circlips |
| C.P. 164 is also available in 0.010 in., 0.020 in. and 0.040 in. oversizes. | | |
| Piston Rings (350 c.c.) C.P. 165 | 2 E3691 2 E3690 2 E3692 | Compression ring (plain) Compression ring (taper) Oil control ring |
| C.P. 165 is also available in 0.010 in., 0.020 in. and 0.040 in. oversizes. | | |
| Pistons (500 c.c.) C.P. 174 | 1 E4004 2 E3829 1 E3831 1 WE203E 2 WE479 | Piston C.R. 7 : 1 Compression ring (taper) Oil control ring Gudgeon pin Circlips |
| C.P. 174 is also available in 0.010 in. and 0.020 in. oversizes. | | |
| Pistons (500 c.c.) C.P. 179 | 1 E4021 2 E3829 1 E3831 1 WE203E 2 WE479 | Piston C.R. 9 : 1 Compression ring (taper) Oil control ring Gudgeon pin Circlips |
| C.P. 179 is also available in 0.010 in. and 0.020 in. oversizes. | | |
| Piston Rings (500 c.c.) C.P. 175 | 4 E3829 2 E3831 | Compression ring (taper) Oil control ring |
| C.P. 175 is also available in 0.010 in. and 0.020 in. oversizes. | | |

CARTON PACK LIST—continued

| Part No. | Contents | |
|--|----------|--------------------------|
| C.P. 180. | 4 E4135 | Compression ring (taper) |
| | 2 E4136 | Oil control rings |
| C.P. 180 can only be fitted to E4021 Piston body, and should only be used for high-performance work. | | |
| Valve Guides | | |
| C.P. 170 | 4 E3208 | Valve guides |
| | 4 E3209 | Valve guides circlip |
| Valves (350 c.c.) | | |
| C.P. 166 | 2 E3738 | Inlet valve |
| | 2 E3739 | Exhaust valve |
| Valve Springs (350 c.c.) | | |
| C.P. 171 | 4 E3942 | Inner valve spring |
| | 4 E3741 | Outer valve spring |
| Valves (500 c.c.) | | |
| C.P. 176 | 2 E4012 | Inlet valve |
| | 2 E4013 | Exhaust valve |
| Valve Springs (500 c.c.) | | |
| C.P. 177 | 4 E4010 | Inner valve spring |
| | 4 E4011 | Outer valve spring |

Gasket Set

| | | |
|-------|---|-----------|
| 3TA | } | GS T21/57 |
| 5TA | | |
| T100A | | |

PLEASE NOTE

THROUGHOUT THIS LIST, ASSEMBLIES ARE PRINTED IN CAPITALS AND THE COMPONENTS INCLUDED IN THAT ASSEMBLY ARE INDENTED IN THE DESCRIPTION COLUMN, REVERTING TO THE ORIGINAL ALIGNMENT WHEN THE ASSEMBLY IS COMPLETE. TO ORDER THE COMPLETE ASSEMBLY IT IS NECESSARY ONLY TO QUOTE THE ASSEMBLY NUMBER. ANY COMPONENT PARTS LISTED MAY ALSO BE OBTAINED SEPARATELY IF REQUIRED.

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.

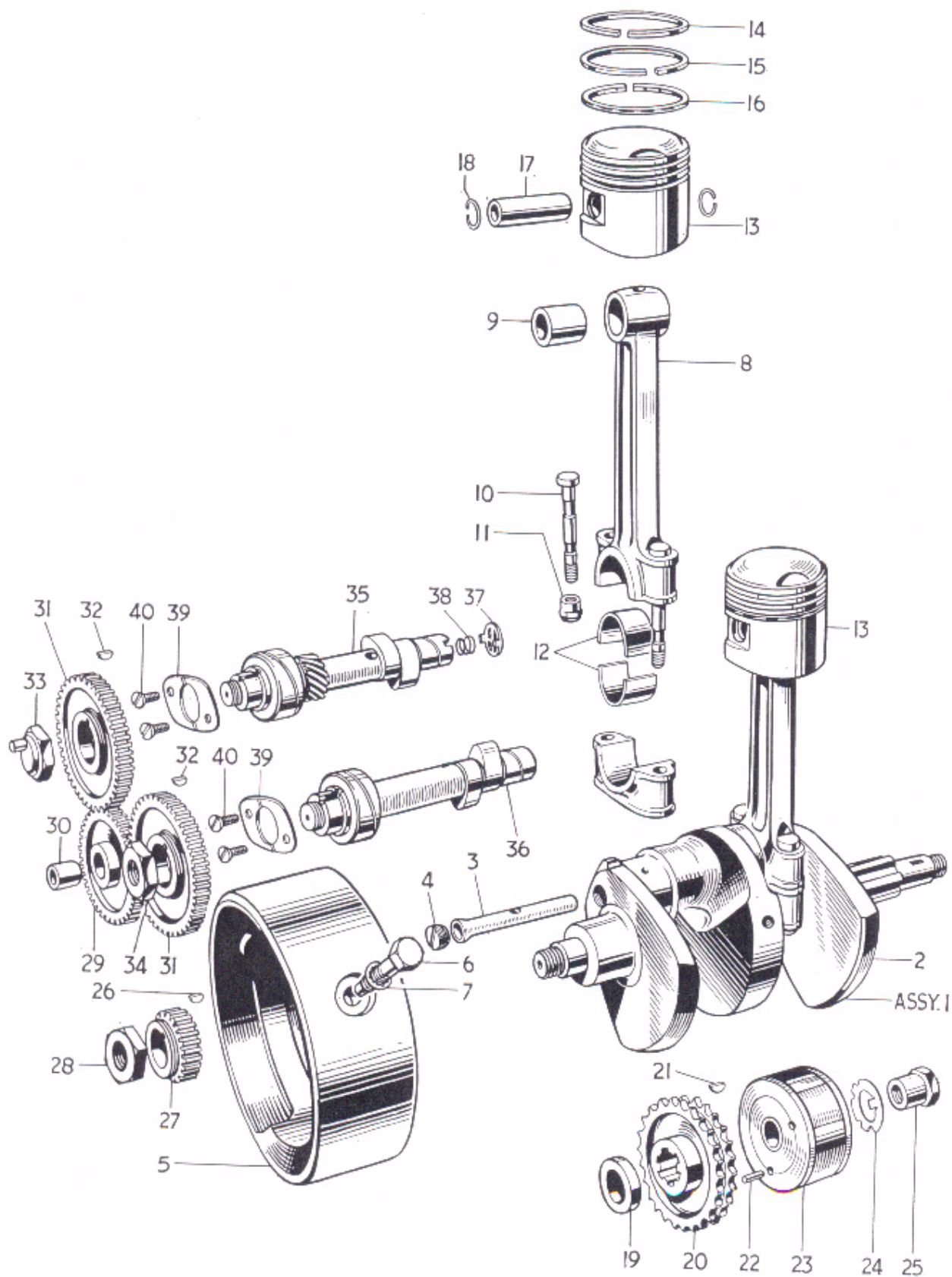


Fig. 1. CRANKSHAFT AND CONNECTING RODS.

CRANKSHAFT AND CONNECTING RODS

| | | | | | | | | | 3TA | 5TA | T100A |
|----|----------|----------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-------|
| 1 | E3996 | CRANKSHAFT AND FLYWHEEL ASSEMBLY | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 2 | E3998 | Crankshaft | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 3 | E3999 | Oil tube | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 4 | E3711 | Screwed plug | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 5 | E3712 | Flywheel | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 6 | E3713 | Flywheel bolt... | ... | ... | ... | ... | ... | ... | 3 | 3 | 3 |
| 7 | E2288 | Serrated washer | ... | ... | ... | ... | ... | ... | 3 | 3 | 3 |
| 8 | E3702 | CONNECTING ROD | ... | ... | ... | ... | ... | ... | 2 | — | — |
| 9 | E4001 | CONNECTING ROD | ... | ... | ... | ... | ... | ... | — | 2 | 2 |
| 10 | E1762 | Small end bush | ... | ... | ... | ... | ... | ... | 2 | — | — |
| 11 | E4003 | Small end bush | ... | ... | ... | ... | ... | ... | — | 2 | 2 |
| 12 | E3705 | Connecting rod bolt | ... | ... | ... | ... | ... | ... | 2 | 2 | 2 |
| 13 | E2922 | Self locking nut | ... | ... | ... | ... | ... | ... | 2 | 2 | 2 |
| 14 | E3706 | Big end bearing | ... | ... | ... | ... | ... | ... | 4 | 4 | 4 |
| 15 | CP164 | PISTON COMPLETE C.R. 7.5 : 1 | ... | ... | ... | ... | ... | ... | 2 | — | — |
| 16 | CP174 | PISTON COMPLETE C.R. 7 : 1 | ... | ... | ... | ... | ... | ... | — | 2 | — |
| 17 | CP179 | PISTON COMPLETE C.R. 9 : 1 | ... | ... | ... | ... | ... | ... | — | — | 2 |
| 18 | E3691 | Plain compression ring | ... | ... | ... | ... | ... | ... | 2 | — | — |
| 19 | E3829 | Taper compression ring | ... | ... | ... | ... | ... | ... | — | 2 | 2 |
| 20 | E3690 | Taper compression ring | ... | ... | ... | ... | ... | ... | 2 | — | — |
| 21 | E3829 | Taper compression ring | ... | ... | ... | ... | ... | ... | — | 2 | 2 |
| 22 | E3692 | Oil control ring | ... | ... | ... | ... | ... | ... | 2 | — | — |
| 23 | E3831 | Oil control ring | ... | ... | ... | ... | ... | ... | — | 2 | 2 |
| 24 | E1750 | Gudgeon pin | ... | ... | ... | ... | ... | ... | 2 | — | — |
| 25 | WE203E | Gudgeon pin | ... | ... | ... | ... | ... | ... | — | 2 | 2 |
| 26 | E1767 | Circlip | ... | ... | ... | ... | ... | ... | 4 | — | — |
| 27 | WE479 | Circlip | ... | ... | ... | ... | ... | ... | — | 4 | 4 |
| 28 | E4006 | Distance collar | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 29 | E4141 | Engine sprocket, 26T Duplex | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 30 | E3851 | Rotor key | ... | ... | ... | ... | ... | ... | 1 | 1 | — |
| 31 | E4142 | Rotor dowel | ... | ... | ... | ... | ... | ... | — | — | 1 |
| 32 | 423506 | Rotor | ... | ... | ... | ... | ... | ... | 1 | 1 | — |
| 33 | 54211595 | Rotor | ... | ... | ... | ... | ... | ... | — | — | 1 |
| 34 | E3852 | Tab washer | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 35 | E3735 | Nut | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 36 | E1580 | Key | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 37 | E1771 | Timing pinion | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 38 | E398 | Nut | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 39 | E2202 | INTERMEDIATE WHEEL | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 40 | E400 | Bush | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 41 | E1486A | Camshaft wheel | ... | ... | ... | ... | ... | ... | 2 | 2 | 2 |
| 42 | E1558 | Camshaft key | ... | ... | ... | ... | ... | ... | 2 | 2 | 2 |
| 43 | E1463 | Inlet camshaft nut | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 44 | E1492 | Exhaust camshaft nut | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 45 | E3858 | Inlet camshaft | ... | ... | ... | ... | ... | ... | 1 | 1 | — |
| 46 | E4022 | Inlet camshaft | ... | ... | ... | ... | ... | ... | — | — | 1 |
| 47 | E3839 | Exhaust camshaft | ... | ... | ... | ... | ... | ... | 1 | 1 | — |
| 48 | E4023 | Exhaust camshaft | ... | ... | ... | ... | ... | ... | — | — | 1 |
| 49 | E2254 | Rotary breather valve | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 50 | E2256 | Breather valve spring | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 51 | E3727 | Retaining plate | ... | ... | ... | ... | ... | ... | 2 | 2 | 2 |
| 52 | E3728 | Screw (1/32 in. U.H.) | ... | ... | ... | ... | ... | ... | 4 | 4 | 4 |

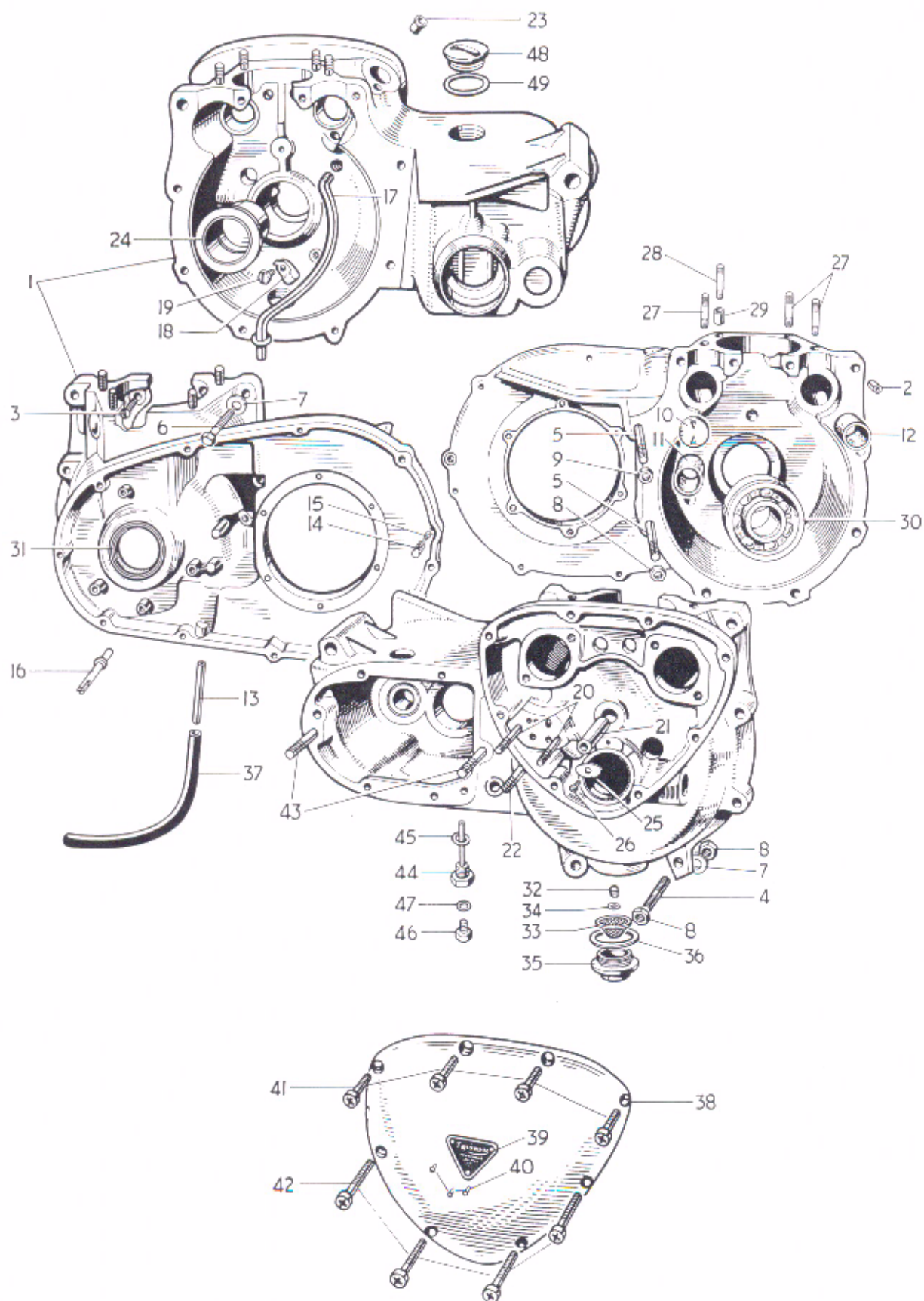


Fig 2. CRANKCASE

CRANKCASE

| | | | 3TA | 5TA | T100A |
|----|------------|---|-----|-----|-------|
| 1 | E3688/4005 | CRANKCASE c/w STUDS AND RIGHT MAIN BEARING | 1 | 1 | 1 |
| 2 | E3716 | Hollow dowel | 1 | 1 | 1 |
| 3 | E3859 | Screw ($\frac{7}{16}$ in. U.H.) | 2 | 2 | 2 |
| 4 | E3804 | Stud (3 in. O.A.) | 1 | 1 | 1 |
| 5 | E3803 | Stud ($3\frac{1}{2}$ in. O.A.) | 2 | 2 | 2 |
| 6 | E3799 | Bolt ($1\frac{5}{8}$ in. U.H.) | 1 | 1 | 1 |
| 7 | S25-3 | Plain washer | 3 | 3 | 3 |
| 8 | S1-51 | Nut | 3 | 3 | 3 |
| 9 | E1310 | Nut | 1 | 1 | 1 |
| 10 | E3822 | Breather disc | 1 | 1 | 1 |
| 11 | E3824 | Inlet camshaft bush | 1 | 1 | 1 |
| 12 | E3823 | Exhaust camshaft bush | 1 | 1 | 1 |
| 13 | E2724 | Breather pipe | 1 | 1 | 1 |
| 14 | E3884 | Chain oiler tube | 1 | 1 | 1 |
| 15 | E3885 | Chain oiler jet | 1 | 1 | 1 |
| 16 | E4147 | Chain tensioner abutment | 1 | 1 | 1 |
| 17 | E3719 | Oil scavenge pipe | 1 | 1 | 1 |
| 18 | E1509 | Clip | 1 | 1 | 1 |
| 19 | E1645 | Screw ($\frac{17}{64}$ in. U.H.) | 1 | 1 | 1 |
| 20 | E3718 | Oil pump stud ($1\frac{1}{8}$ in. O.A.) | 2 | 2 | 2 |
| 21 | E375 | Intermediate wheel spindle | 1 | 1 | 1 |
| 22 | E3717 | Oil pipes stud ($1\frac{1}{2}$ in. O.A.) | 1 | 1 | 1 |
| 23 | E3877 | Distributor shaft bush | 1 | 1 | 1 |
| 24 | E4137 | Right main bearing | 1 | 1 | 1 |
| 25 | E4139 | Locating plate | 1 | 1 | 1 |
| 26 | E4140 | Self tapping screw | 1 | 1 | 1 |
| 27 | E3820 | Cylinder stud ($1\frac{1}{2}$ in. O.A.)... | 6 | 6 | 6 |
| 28 | E3819 | Cylinder stud ($1\frac{1}{4}$ in. O.A.) | 2 | 2 | 2 |
| 29 | E1534A | Dowel | 2 | 2 | 2 |
| 30 | E3835 | Left main bearing (ball journal) | 1 | 1 | 1 |
| 31 | E3876 | Oil seal | 1 | 1 | 1 |
| 32 | E3724 | Filter spring | 1 | 1 | 1 |
| 33 | E3722 | Filter | 1 | 1 | 1 |
| 34 | E3723 | Sealing washer | 1 | 1 | 1 |
| 35 | E1564 | Filter cap | 1 | 1 | 1 |
| 36 | E1577 | Joint washer | 1 | 1 | 1 |
| 37 | E3078 | Breather extension rubber pipe | 1 | 1 | 1 |
| 38 | E3693 | TIMING COVER | 1 | 1 | 1 |
| 39 | E4016 | Patent plate | 1 | 1 | 1 |
| 40 | D208-5 | Patent plate rivet | 1 | 1 | 1 |
| 41 | E3800 | Screw ($\frac{7}{8}$ in. U.H.) | 4 | 4 | 4 |
| 42 | E3801 | Screw ($1\frac{1}{8}$ in. U.H.) | 4 | 4 | 4 |
| 43 | T1399 | Stud ($3\frac{1}{16}$ in. O.A.) | 2 | 2 | 2 |
| 44 | T1112 | Drain plug (with level tube) | 1 | 1 | 1 |
| 45 | WE170 | Fibre washer | 1 | 1 | 1 |
| 46 | T361 | Level plug | 1 | 1 | 1 |
| 47 | T1257 | Fibre washer | 1 | 1 | 1 |
| 48 | E732 | Filler plug | 2 | 2 | 2 |
| 49 | NE507 | Fibre washer | 2 | 2 | 2 |

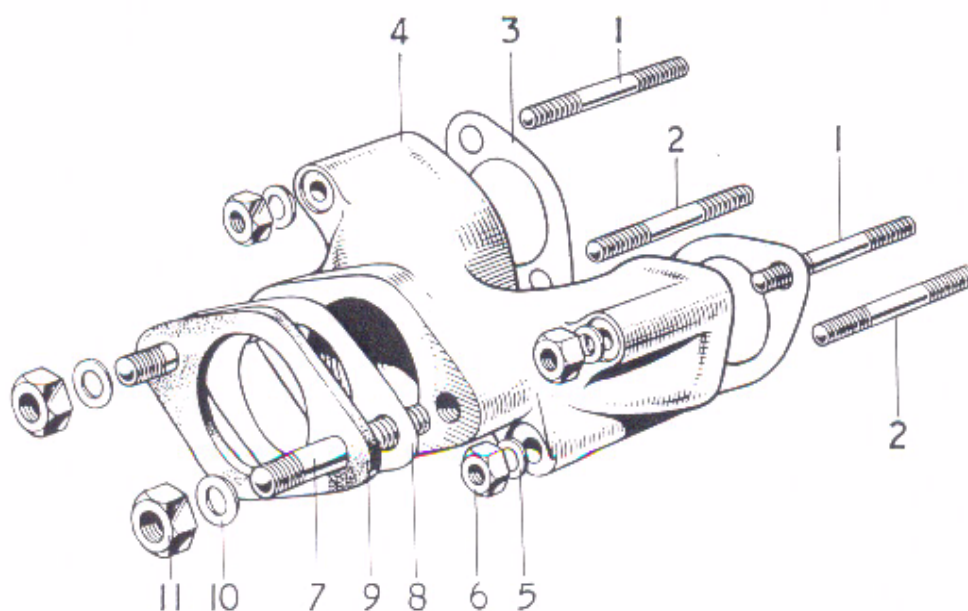
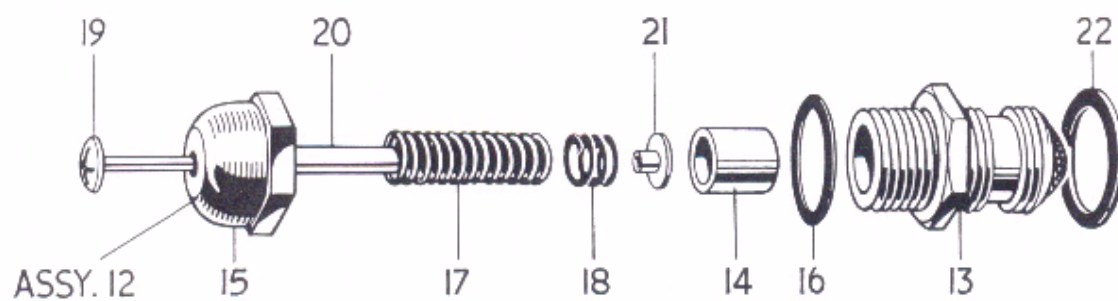
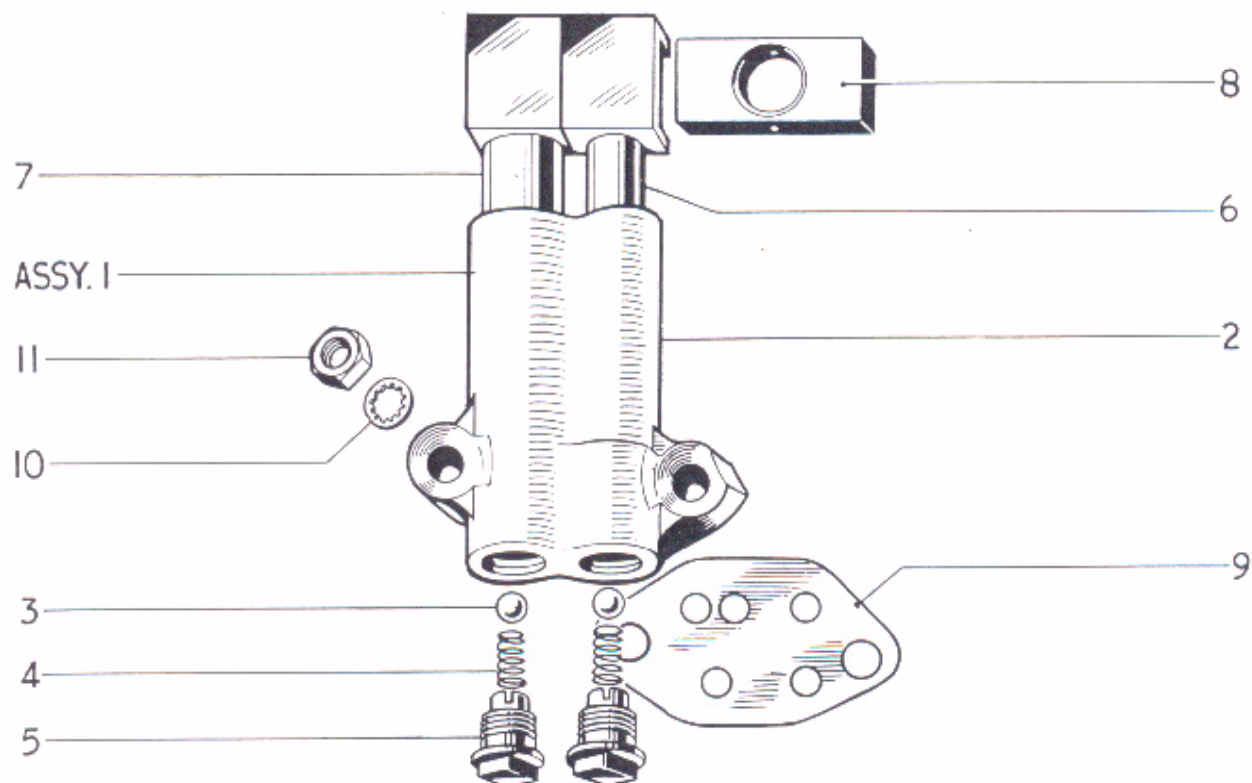


Fig. 3. OIL PUMP, RELEASE VALVE AND INLET MANIFOLD.

OIL PUMP AND RELEASE VALVE

| | | | | | | | | | | 3TA | 5TA | T100A |
|----|-------|---------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|
| 1 | E3878 | OIL PUMP | ... | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 2 | E3731 | Pump body | ... | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 3 | S70-7 | Valve ball | ... | ... | ... | ... | ... | ... | ... | 2 | 2 | 2 |
| 4 | E403 | Valve spring | ... | ... | ... | ... | ... | ... | ... | 2 | 2 | 2 |
| 5 | E2360 | Screwed plug | ... | ... | ... | ... | ... | ... | ... | 2 | 2 | 2 |
| 6 | GS153 | Feed plunger | ... | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 7 | E1476 | Scavenge plunger | ... | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 8 | E495 | Drive block | ... | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 9 | E3730 | Joint washer | ... | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 10 | E3887 | Serrated washer | ... | ... | ... | ... | ... | ... | ... | 2 | 2 | 2 |
| 11 | E3732 | Nut | ... | ... | ... | ... | ... | ... | ... | 2 | 2 | 2 |
| 12 | E2795 | OIL RELEASE VALVE AND INDICATOR | ... | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 13 | E2794 | Valve body | ... | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 14 | GS251 | Piston | ... | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 15 | E2790 | Cap | ... | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 16 | GS254 | Fibre washer | ... | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 17 | E2788 | Main spring | ... | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 18 | E2789 | Auxiliary spring | ... | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 19 | E2791 | Button and shaft | ... | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 20 | E2793 | Sealing rubber | ... | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 21 | E2792 | Shaft nut | ... | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 22 | E1670 | Fibre washer | ... | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |

INLET MANIFOLD

| | | | | | | | | | | | | |
|----|--------|-------------------------|-----|-----|-----|-----|-----|-----|-----|---|---|---|
| 1 | E3796 | Stud (1 17/32 in. O.A.) | ... | ... | ... | ... | ... | ... | ... | 2 | 2 | 2 |
| 2 | E3797 | Stud (2 in. O.A.) | ... | ... | ... | ... | ... | ... | ... | 2 | 2 | 2 |
| 3 | E2967 | Joint washer | ... | ... | ... | ... | ... | ... | ... | 2 | 2 | 2 |
| 4 | E4014 | Inlet manifold | ... | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 5 | S25-13 | Plain washer | ... | ... | ... | ... | ... | ... | ... | 4 | 4 | 4 |
| 6 | W103 | Nut | ... | ... | ... | ... | ... | ... | ... | 4 | 4 | 4 |
| 7 | E3880 | Stud (1 1/4 in. O.A.) | ... | ... | ... | ... | ... | ... | ... | 2 | 2 | 2 |
| 8 | NA43 | Joint washer | ... | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 9 | E3834 | Insulating block | ... | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 10 | S25-3 | Plain washer | ... | ... | ... | ... | ... | ... | ... | 2 | 2 | 2 |
| 11 | S1-51 | Nut | ... | ... | ... | ... | ... | ... | ... | 2 | 2 | 2 |

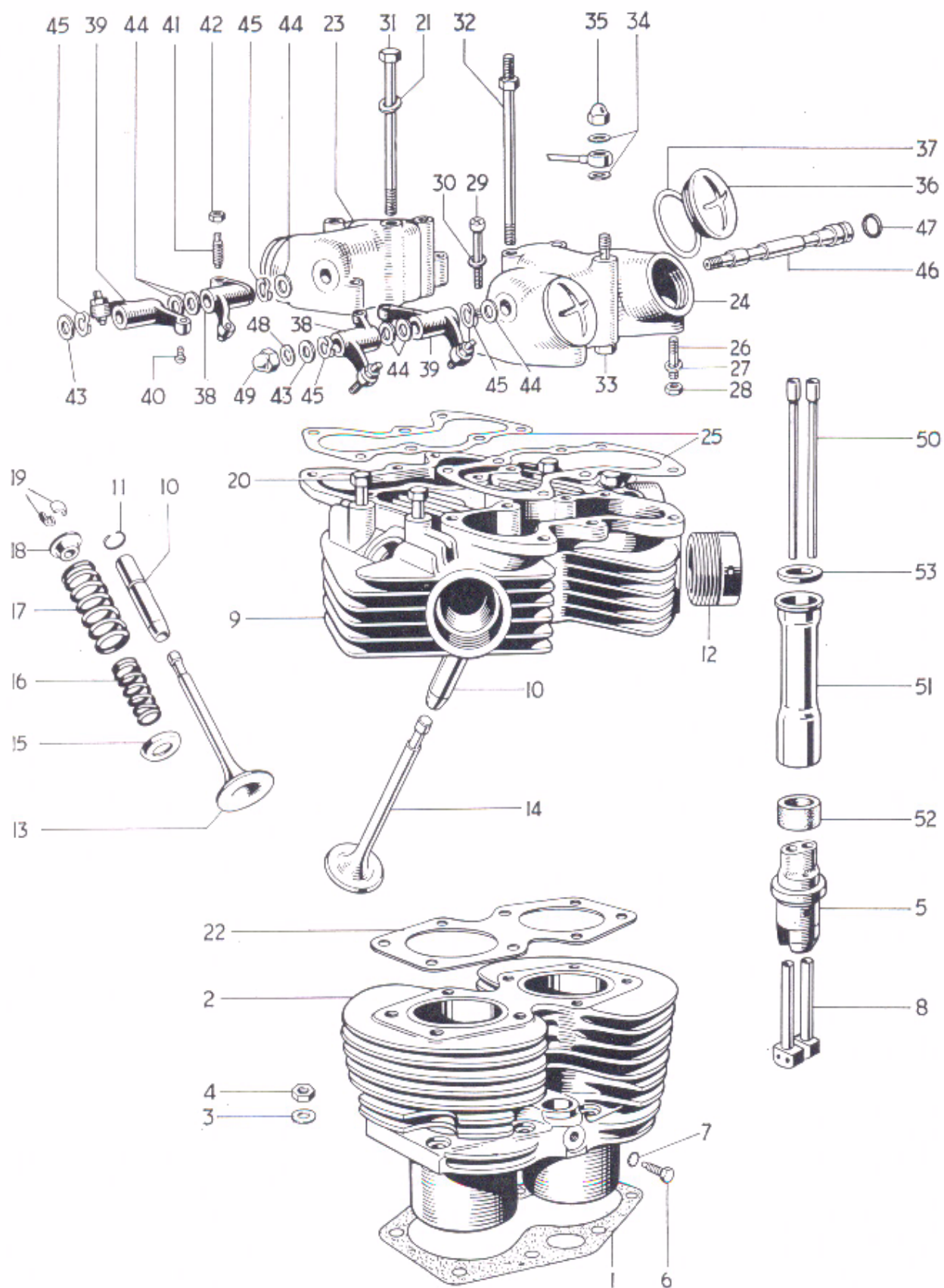


Fig. 4. CYLINDER BLOCK AND HEAD. 3TA.

| Ref. No. | Part No. | DESCRIPTION | QUANTITY |
|------------------------------------|----------|--|------------|
| CYLINDER BLOCK AND HEAD 3TA | | | 3TA |
| 1 | E3798 | Cylinder base washer | 1 |
| 2 | E3698 | Cylinder block | 1 |
| 3 | GS308 | Plain washer | 8 |
| 4 | E2412 | Nut | 8 |
| 5 | E3736 | Tappet guide block | 2 |
| 6 | H200 | Tappet block screw ($\frac{7}{16}$ in. U.H.) | 2 |
| 7 | E1612 | Serrated washer | 2 |
| 8 | E3753 | Tappet | 4 |
| 9 | E4017 | CYLINDER HEAD c/w GUIDES | 1 |
| 10 | E3208 | Valve guide | 4 |
| 11 | E3209 | Valve guide circlip | 4 |
| 12 | E2961 | Exhaust pipe adaptor | 2 |
| 13 | E3738 | Inlet valve | 2 |
| 14 | E3739 | Exhaust valve | 2 |
| 15 | E3740 | Bottom cup | 4 |
| 16 | E3942 | Inner valve spring | 4 |
| 17 | E3741 | Outer valve spring | 4 |
| 18 | E3742 | Top collar | 4 |
| 19 | WE259A | Split cotter | 8 |
| 20 | E3793 | Cylinder head bolt (2 $\frac{35}{32}$ in. U.H.) | 4 |
| 21 | F2184 | Plain washer | 8 |
| 22 | E3769 | Cylinder head gasket | 1 |
| 23 | E3745 | Inlet rocker box | 1 |
| 24 | E3744 | Exhaust rocker box | 1 |
| 25 | E3743 | Joint washer | 2 |
| 26 | E3858 | Rocker box stud ($\frac{15}{16}$ in. O.A.) | 4 |
| 27 | E3302 | Plain washer | 4 |
| 28 | F879 | Nut | 4 |
| 29 | E3668 | Screw ($\frac{1}{2}$ in. U.H.) | 4 |
| 30 | E3857 | Plain washer | 4 |
| 31 | E3794 | Cylinder head bolt (5 $\frac{7}{16}$ in. U.H.) | 2 |
| 32 | E3795 | Cylinder head torque stay bolt | 2 |
| 33 | E3809 | Oil feed bolt | 2 |
| 34 | F1880 | Copper washer | 6 |
| 35 | H400 | Domed nut | 2 |
| 36 | E3752 | Inspection cap | 4 |
| 37 | E3751 | Joint washer | 4 |
| 38 | E3749 | ROCKER (Right exhaust, left inlet) | 2 |
| 39 | E3750 | ROCKER (Left exhaust, right inlet) | 2 |
| 40 | E3222 | Rocker ball pin | 4 |
| 41 | E3223 | Rocker adjusting pin | 4 |
| 42 | GS662 | Adjuster lock nut | 4 |
| 43 | E1330 | Thrust washer $\frac{3}{8}$ in. | 2 |
| 44 | E2534 | Thrust washer $\frac{7}{16}$ in. | 6 |
| 45 | E3224 | Spring washer | 4 |
| 46 | E3748 | Rocker spindle | 2 |
| 47 | E3253 | Sealing rubber | 2 |
| 48 | E1335 | Copper washer | 2 |
| 49 | E1435 | Domed nut | 2 |
| 50 | E3759 | Push rod | 4 |
| 51 | E3755 | Cover tube | 2 |
| 52 | E3758 | Bottom joint washer | 2 |
| 53 | E3547 | Top joint washer | 2 |

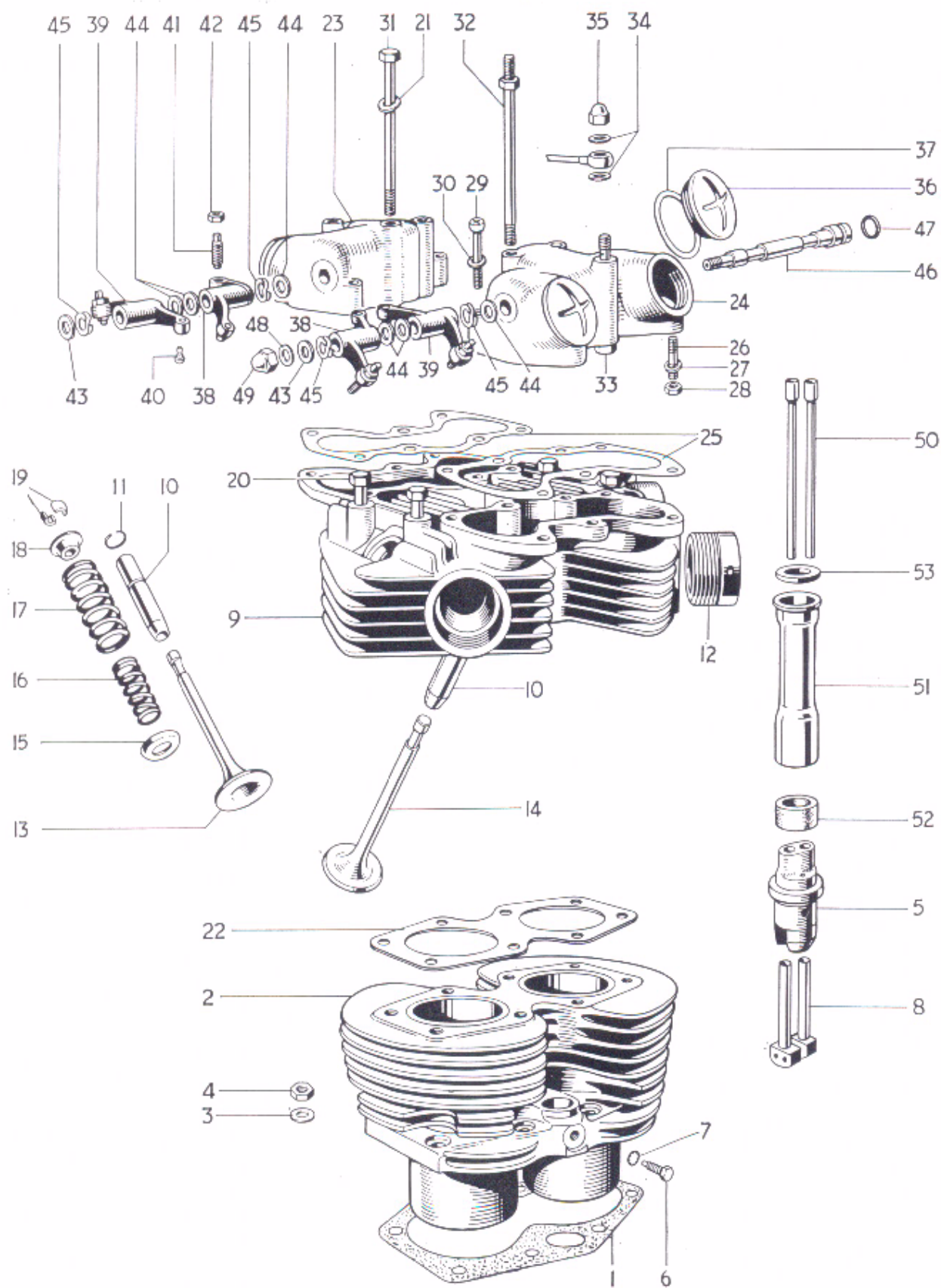


Fig. 5. CYLINDER BLOCK AND HEAD. 5TA & T100A

| Ref. No. | Part No. | DESCRIPTION | QUANTITY |
|---------------------------------------|----------|--|-----------|
| CYLINDER BLOCK AND HEAD 5TA and T100A | | | |
| | | | 5TA T100A |
| 1 | E3798 | Cylinder base washer | 1 1 |
| 2 | E4000 | Cylinder block | 1 1 |
| 3 | GS308 | Plain washer | 8 8 |
| 4 | E2412 | Nut | 8 8 |
| 5 | E3736 | Tappet guide block | 2 2 |
| 6 | H200 | Tappet block screw ($\frac{7}{8}$ in. U.H.) | 2 2 |
| 7 | E1612 | Serrated washer | 2 2 |
| 8 | E3753 | Tappet | 4 4 |
| 9 | E4007 | CYLINDER HEAD c/w GUIDES | 1 1 |
| 10 | E3208 | Valve guide | 4 4 |
| 11 | E3209 | Valve guide circlip | 4 4 |
| 12 | E2961 | Exhaust pipe adaptor | 2 2 |
| 13 | E4012 | Inlet valve | 2 2 |
| 14 | E4013 | Exhaust valve | 2 2 |
| 15 | E3740 | Bottom cap | 4 4 |
| 16 | E4010 | Inner valve spring | 4 4 |
| 17 | E4011 | Outer valve spring | 4 4 |
| 18 | E3742 | Top collar | 4 4 |
| 19 | WE259A | Split cotter | 8 8 |
| 20 | E3973 | Cylinder head bolt (2 $\frac{3}{8}$ in. U.H.) | 4 4 |
| 21 | F2184 | Plain washer | 8 8 |
| 22 | E4015 | Cylinder head gasket | 8 8 |
| 23 | E3745 | Inlet rocker box | 1 1 |
| 24 | E3744 | Exhaust rocker box | 1 1 |
| 25 | E3743 | Joint washer | 2 2 |
| 26 | E3858 | Rocker box stud ($\frac{1}{8}$ in. O.A.) | 4 4 |
| 27 | E3302 | Plain washer | 4 4 |
| 28 | F879 | Nut | 4 4 |
| 29 | E3668 | Screw ($\frac{1}{8}$ in. U.H.) | 4 4 |
| 30 | E3857 | Plain washer | 4 4 |
| 31 | E3794 | Cylinder head bolt (5 $\frac{7}{8}$ in. U.H.) | 2 2 |
| 32 | E3795 | Cylinder head torque stay bolt | 2 2 |
| 33 | E3809 | Oil feed bolt | 2 2 |
| 34 | F1880 | Copper washer | 6 6 |
| 35 | H400 | Domed nut | 2 2 |
| 36 | E3752 | Inspection cap | 4 4 |
| 37 | E3751 | Joint washer | 4 4 |
| 38 | E3749 | ROCKER (Right exhaust, left inlet) | 2 2 |
| 39 | E3750 | ROCKER (Left exhaust, right inlet) | 2 2 |
| 40 | E3222 | Rocker ball pin | 4 4 |
| 41 | E3223 | Rocker adjusting pin | 4 4 |
| 42 | GS662 | Adjuster lock nut | 4 4 |
| 43 | E1330 | Thrust washer $\frac{3}{8}$ in. | 2 2 |
| 44 | E2534 | Thrust washer $\frac{7}{8}$ in. | 6 6 |
| 45 | E3224 | Spring washer | 4 4 |
| 46 | E3748 | Rocker spindle | 2 2 |
| 47 | E3253 | Sealing rubber | 2 2 |
| 48 | E1335 | Copper washer | 2 2 |
| 49 | E1435 | Domed nut | 2 2 |
| 50 | E4008 | Push rod | 4 4 |
| 51 | E3755 | Cover tube | 2 2 |
| 52 | E3758 | Bottom joint washer | 2 2 |
| 53 | E3547 | Top joint washer | 2 2 |

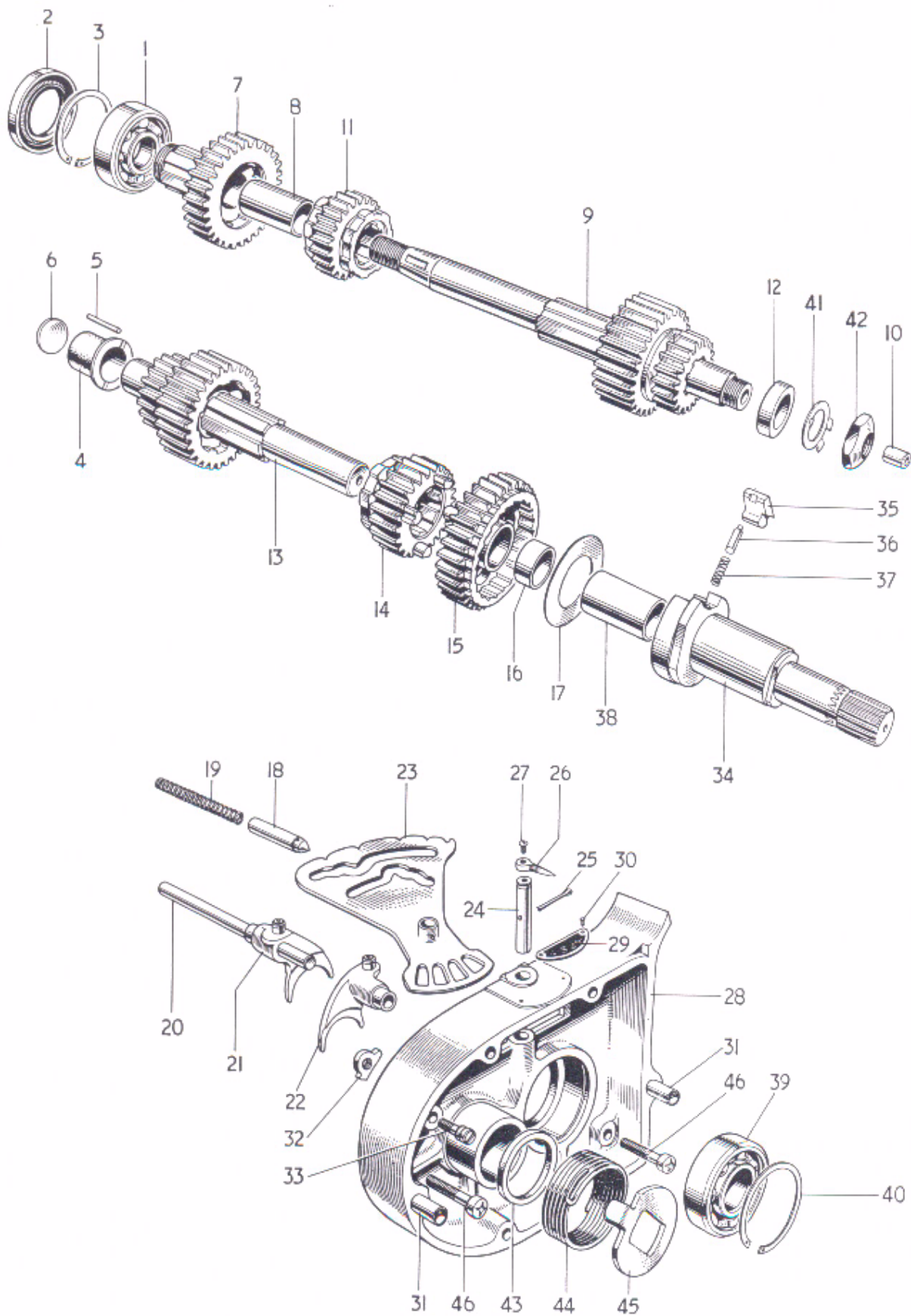


Fig. 6. GEARBOX SHAFTS, BEARINGS AND INNER COVER.

GEARBOX SHAFTS, BEARINGS AND INNER COVER

| | | | | | | | | | 3TA | 5TA | T100A |
|----|---------------------------------------|-------------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-------|
| 1 | T665 | High gear bearing (ball journal)... | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 2 | T1478 | Oil seal ... | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 3 | W680 | Circlip ... | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 4 | T1367 | Layshaft bush ... | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 5 | T912 | Peg ... | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 6 | T981 | Blanking disc ... | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 7 | T1403 | MAINSHAFT HIGH GEAR (26T) | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 8 | T1405 | High gear bush ... | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 9 | T1406 | MAINSHAFT c/w THIRD AND LOW GEARS | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 10 | T1391 | Clutch rod bush ... | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 11 | T1410 | Mainshaft second gear (23T) | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 12 | T1411 | Mainshaft distance piece ... | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 13 | T1479 | Layshaft c/w second and high gears | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 14 | T1413 | Layshaft third gear (23T)... | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 15 | T1414 | LAYSHAFT LOW GEAR (32T) | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 16 | T1393 | Low gear bush ... | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 17 | T1426 | Pawl retaining disc ... | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 18 | T1471 | Camplate index plunger ... | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 19 | T373 | Index plunger spring ... | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 20 | T1457 | Selector fork spindle ... | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 21 | T1480 | Mainshaft selector fork ... | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 22 | T1481 | Layshaft selector fork ... | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 23 | T1458 | Gear selector camplate ... | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 24 | T1418 | Camplate spindle ... | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 25 | $\frac{1}{8}$ in. x $\frac{3}{4}$ in. | Split pin ... | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 26 | T1416 | Gear indicator pointer ... | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 27 | H688 | Screw ($\frac{7}{8}$ in. U.H.) | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 28 | T1448 | Inner cover ... | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 29 | T1417 | Gear indicator plate ... | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 30 | D208-5 | Indicator plate rivet ... | ... | ... | ... | ... | ... | ... | 2 | 2 | 2 |
| 31 | T1440 | Hollow dowel ... | ... | ... | ... | ... | ... | ... | 2 | 2 | 2 |
| 32 | T1157 | Kickstarter stop plate ... | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 33 | T1390 | Stop plate and anchor screw | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 34 | T1445 | KICKSTARTER SPINDLE | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 35 | T1431 | Kickstarter pawl ... | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 36 | T1282 | Plunger ... | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 37 | T1161 | Plunger spring ... | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 38 | T1446 | Floating bush ... | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 39 | T1469 | Mainshaft bearing (ball journal) | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 40 | T280 | Circlip ... | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 41 | T732 | Tab washer ... | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 42 | E2419 | Mainshaft nut ... | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 43 | T1464 | Distance piece ... | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 44 | T1441 | Kickstarter return spring | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 45 | T1422 | Return spring plate ... | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 46 | E3204 | Screw (1 in. U.H.) | ... | ... | ... | ... | ... | ... | 2 | 2 | 2 |

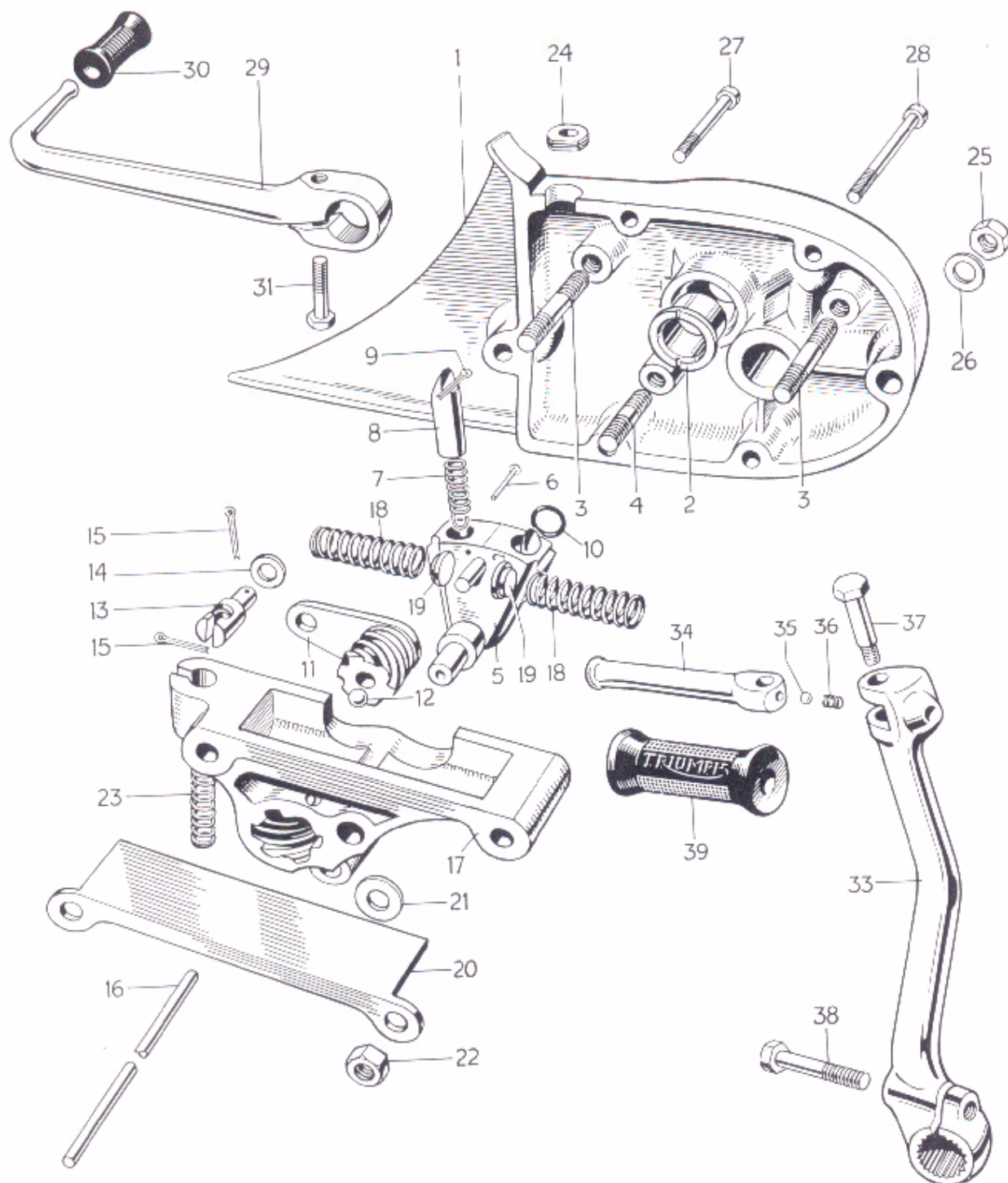


Fig. 7. GEARBOX OUTER COVER AND LEVERS.

GEARBOX OUTER COVER AND LEVERS

| | | | | | | | | 3TA | 5TA | T100A |
|---|--|---------------------------------------|-----|-----|-----|-----|-----|-----|-----|-------|
| 1 | T1450 | GEARBOX OUTER COVER | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 2 | T1395 | Gearchange spindle bush | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 3 | T1388 | Stud (1 $\frac{7}{8}$ in. O.A.) | ... | ... | ... | ... | ... | 2 | 2 | 2 |
| 4 | E1987 | Stud (1 $\frac{1}{2}$ in. O.A.) | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 5 | T1483 | GEARCHANGE QUADRANT | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 6 | T1474 | Spring retaining pin | ... | ... | ... | ... | ... | 2 | 2 | 2 |
| 7 | T1436 | Plunger spring | ... | ... | ... | ... | ... | 2 | 2 | 2 |
| 8 | T1396 | Selector plunger | ... | ... | ... | ... | ... | 2 | 2 | 2 |
| 9 | $\frac{5}{16}$ in. x $\frac{5}{8}$ in. | Split pin | ... | ... | ... | ... | ... | 2 | 2 | 2 |
| 0 | E3309 | Sealing ring | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 1 | T1484 | CLUTCH LEVER AND WORM | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 2 | S70-7 | Steel ball | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 3 | T1462 | Cable abutment | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 4 | E3302 | Plain washer | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 5 | $\frac{1}{4}$ x $\frac{1}{2}$ in. | Split pin | ... | ... | ... | ... | ... | 2 | 2 | 2 |
| 6 | T1456 | Clutch operating rod | ... | ... | ... | ... | ... | 1 | 1 | — |
| 6 | T1574 | Clutch operating rod | ... | ... | ... | ... | ... | — | — | 1 |
| 7 | T1385 | Return spring housing | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 8 | T1432 | Return spring | ... | ... | ... | ... | ... | 2 | 2 | 2 |
| 9 | T1433 | Thrust button | ... | ... | ... | ... | ... | 2 | 2 | 2 |
| 0 | T1394 | Cover | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 1 | S25-1 | Plain washer | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 2 | W103 | Nut | ... | ... | ... | ... | ... | 3 | 3 | 3 |
| 3 | T1465 | Clutch cable spring | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 4 | E3475 | Cable grommet | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 5 | S1-51 | Nut | ... | ... | ... | ... | ... | 2 | 2 | 2 |
| 6 | S25-3 | Plain washer | ... | ... | ... | ... | ... | 2 | 2 | 2 |
| 7 | T1401 | Screw (2 $\frac{3}{8}$ in. U.H.) | ... | ... | ... | ... | ... | 2 | 2 | 2 |
| 8 | T1402 | Screw (2 $\frac{5}{8}$ in. U.H.) | ... | ... | ... | ... | ... | 2 | 2 | 2 |
| 9 | T1435 | Gearchange lever | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 0 | T449 | Pedal rubber | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 1 | W932 | Bolt (1 in. U.H.) | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 2 | T1485 | KICKSTARTER LEVER COMPLETE | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 3 | T1438 | Kickstarter crank | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 4 | T1272 | Kickstarter pedal | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 5 | S70-3 | Steel ball | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 6 | T1167 | Index spring | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 7 | T1273 | Pivot bolt | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 8 | T1439 | Clamp bolt (1 $\frac{1}{8}$ in. U.H.) | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 9 | F1814 | Pedal rubber | ... | ... | ... | ... | ... | 1 | 1 | 1 |

ASSEMBLY REF. No. 1

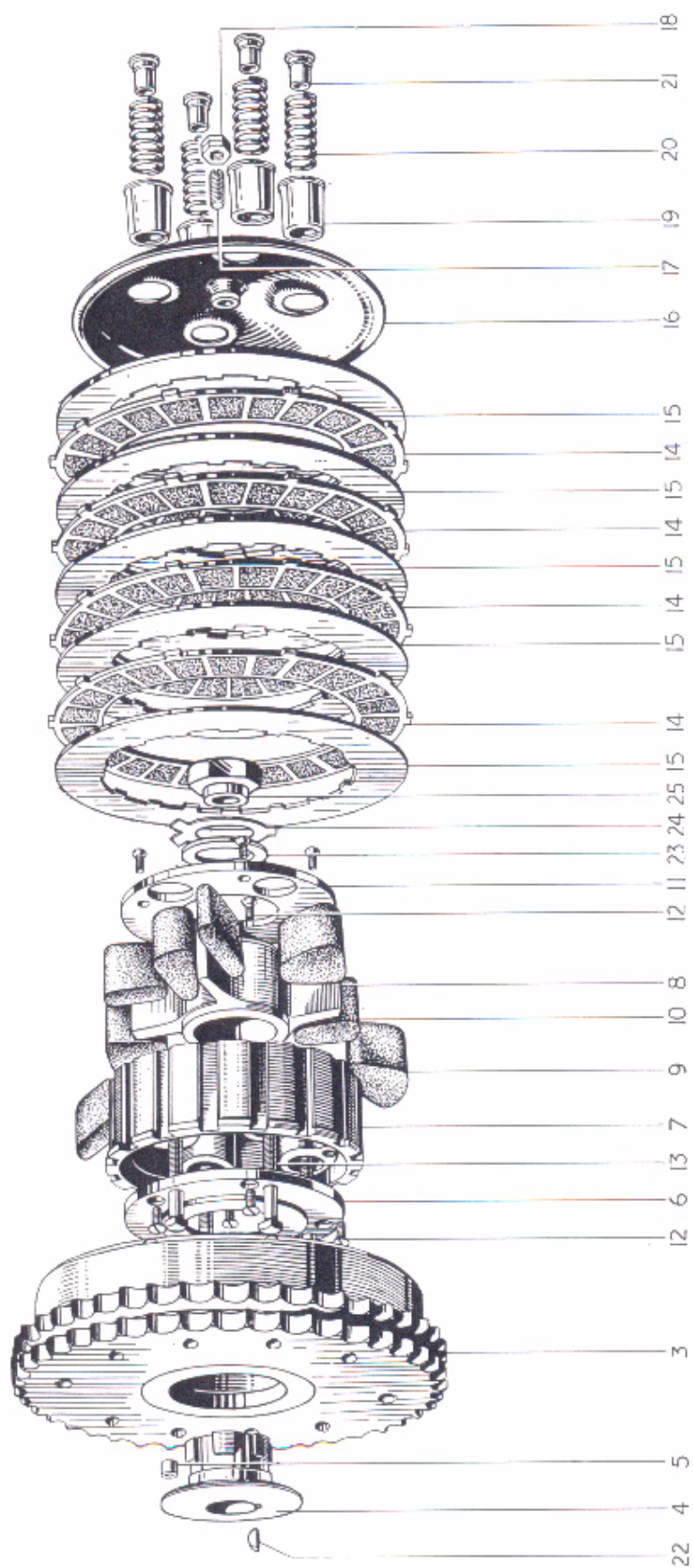


Fig. 8. CLUTCH

CLUTCH

| | | | 3TA | 5TA | T100A |
|----|-------|---|-----|-----|-------|
| 1 | T1486 | CLUTCH COMPLETE | 1 | 1 | — |
| 2 | T1573 | CLUTCH COMPLETE | — | — | 1 |
| 3 | T1442 | Sprocket and housing | 1 | 1 | — |
| 3 | T1570 | Sprocket and housing | — | — | 1 |
| 4 | T1386 | Hub | 1 | 1 | 1 |
| 5 | T394 | Roller | 20 | 20 | 20 |
| 6 | T1039 | Inner plate | 1 | 1 | 1 |
| 7 | T1037 | Centre (Shock absorber body) | 1 | 1 | — |
| 7 | T1038 | Centre (Shock absorber body) | — | — | 1 |
| 8 | T1041 | Shock absorber spider | 1 | 1 | 1 |
| 9 | T1472 | Drive rubber (large) | 4 | 4 | 4 |
| 0 | T1473 | Rebound rubber (small) | 4 | 4 | 4 |
| 1 | T1044 | Outer plate | 1 | 1 | 1 |
| 2 | T1040 | Countersunk screw (0.417 in. U.H.) | 8 | 8 | 8 |
| 3 | T423 | Screwed pin (1 $\frac{19}{32}$ in. U.H.) | 4 | 4 | — |
| 3 | T423A | Screwed pin (1 $\frac{27}{32}$ in. U.H.) | — | — | 4 |
| 4 | T1362 | Driving plate (bonded) | 4 | 4 | 5 |
| 5 | T1363 | Driven plate (plain) | 5 | 5 | 6 |
| 6 | T1466 | Pressure plate | 1 | 1 | 1 |
| 7 | T1256 | Adjuster pin | 1 | 1 | 1 |
| 8 | GS662 | Nut | 1 | 1 | 1 |
| 9 | T425 | Spring cup | 4 | 4 | — |
| 9 | T998 | Spring cup | — | — | 4 |
| 10 | T429 | Spring | 4 | 4 | — |
| 10 | T999 | Spring | — | — | 4 |
| 11 | T427 | Brass nut | 4 | 4 | 4 |
| 12 | S66-1 | Key | 1 | 1 | 1 |
| 13 | T1045 | Cupped washer | 1 | 1 | 1 |
| 14 | T1046 | Tab washer | 1 | 1 | 1 |
| 15 | T1047 | Nut | 1 | 1 | 1 |

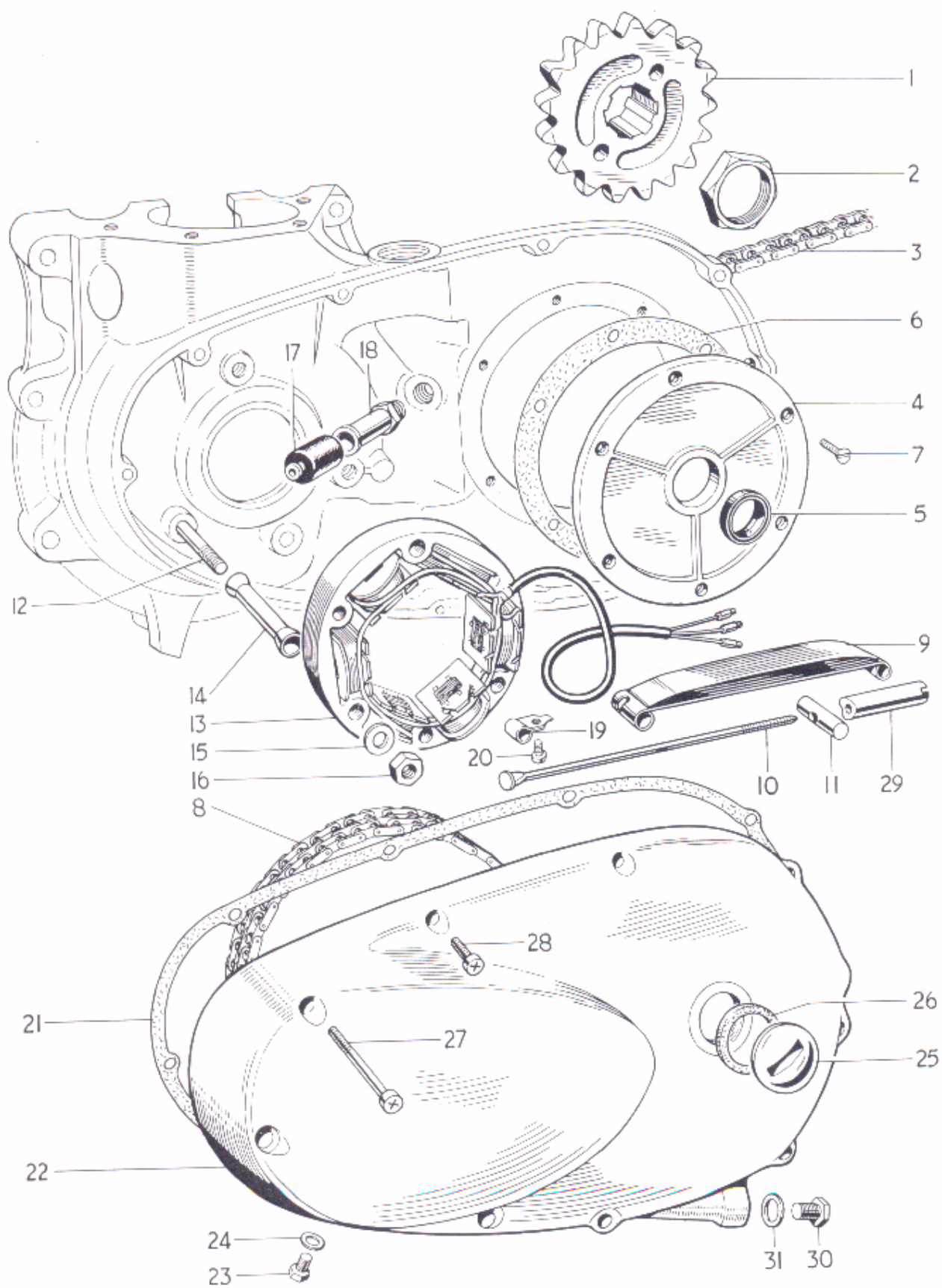


Fig. 9. CHAINCASE AND CHAINS.

CHAINCASE AND CHAINS

| | | | 3TA | 5TA | T100A |
|----|----------|--|-----|-----|-------|
| 1 | T1476 | Gearbox sprocket (18 teeth) ... | 1 | - | - |
| 1 | T1558 | Gearbox sprocket (17 teeth) ... | A | - | - |
| 1 | T1569 | Gearbox sprocket (20 teeth) ... | - | 1 | 1 |
| 1 | T1476/19 | Gearbox sprocket (19 teeth) ... | - | A | A |
| 2 | T1434 | Gearbox sprocket nut ... | 1 | 1 | 1 |
| 3 | D304 | Rear chain, $\frac{5}{8}$ in. x $\frac{3}{8}$ in. x 100L ... | 1 | - | - |
| 3 | D310 | Rear chain, $\frac{5}{8}$ in. x $\frac{3}{8}$ in. x 101L ... | - | 1 | 1 |
| 4 | E3789 | Cover plate ... | 1 | 1 | 1 |
| 5 | E3833 | Oil seal ... | 1 | 1 | 1 |
| 6 | E3832 | Joint washer ... | 1 | 1 | 1 |
| 7 | E3821 | Countersunk screw ($\frac{5}{16}$ in. U.H.) ... | 6 | 6 | 6 |
| 8 | D358 | Primary chain, $\frac{3}{8}$ in. Duplex 78L ... | 1 | 1 | 1 |
| 9 | E4149 | Chain tensioner blade ... | - | 1 | 1 |
| 10 | E4152 | Tie rod ... | - | 1 | 1 |
| 11 | E4148 | Trunnion ... | - | 1 | 1 |
| 12 | E3811 | Stud (3 $\frac{5}{16}$ in. O.A.) ... | 3 | 3 | - |
| 12 | E4145 | Stud (3 $\frac{5}{16}$ in. O.A.) ... | - | - | 3 |
| 13 | 468973 | Stator ... | 1 | 1 | - |
| 13 | 47149 | Stator ... | - | - | 1 |
| 14 | E3810 | Distance piece ... | 3 | 3 | 3 |
| 15 | S25-3 | Plain washer ... | 3 | 3 | 3 |
| 16 | S1-51 | Nut ... | 3 | 3 | 3 |
| 17 | E4144 | Rubber grommet ... | 1 | 1 | 1 |
| 18 | E4143 | Sleeve nut ... | 1 | 1 | 1 |
| 19 | E1509 | Clip ... | 1 | 1 | 1 |
| 20 | T361 | Bolt ($\frac{1}{2}$ in. U.H.) ... | 1 | 1 | 1 |
| 21 | E4156 | Joint washer ... | 1 | 1 | 1 |
| 22 | E3701 | Chaincase ... | 1 | - | - |
| 22 | E4122 | Chaincase ... | - | 1 | 1 |
| 23 | DS57 | Drain and level plug ... | 2 | 1 | 1 |
| 24 | WE170 | Fibre washer ... | 2 | 1 | 1 |
| 25 | E732 | Filler plug ... | 1 | 1 | 1 |
| 26 | NE507 | Fibre washer ... | 1 | 1 | 1 |
| 27 | E3802 | Screw (2 $\frac{3}{8}$ in. U.H.) ... | 3 | 3 | 3 |
| 28 | E3668 | Screw ($\frac{1}{2}$ in. U.H.) ... | 7 | 7 | 7 |
| 29 | E4153 | Adjuster sleeve nut ... | - | 1 | 1 |
| 30 | E4154 | Drain plug ... | - | 1 | 1 |
| 31 | GS761 | Fibre washer ... | - | 1 | 1 |

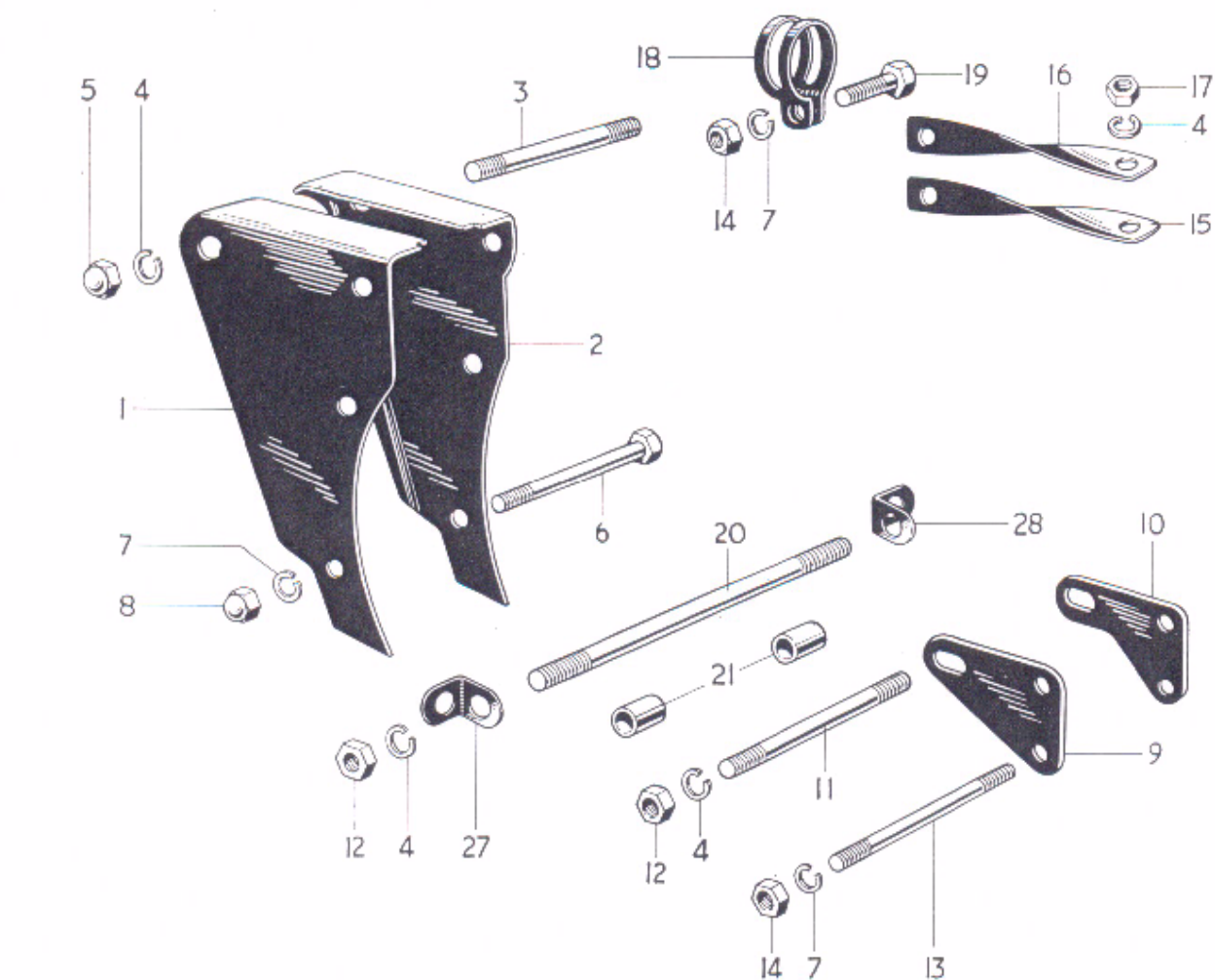


Fig. 10 ENGINE FITTINGS AND EXHAUST SYSTEM.

ENGINE FITTINGS AND EXHAUST SYSTEM

| | | | | | | | | | 3TA | 5TA | T100A |
|----|--------|---------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-------|
| 1 | F4275 | Left front engine plate | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 2 | F4276 | Right front engine plate | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 3 | F2825 | Stud ($3\frac{1}{4}$ in. O.A.) | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 4 | S26-1 | Spring washer | ... | ... | ... | ... | ... | ... | 8 | 8 | 8 |
| 5 | E1435 | Domed nut | ... | ... | ... | ... | ... | ... | 2 | 2 | 2 |
| 6 | E3937 | Bolt ($2\frac{1}{2}$ in. U.H.) | ... | ... | ... | ... | ... | ... | 3 | 3 | 3 |
| 7 | S26-3 | Spring washer | ... | ... | ... | ... | ... | ... | 8 | 8 | 8 |
| 8 | E3949 | Domed nut | ... | ... | ... | ... | ... | ... | 3 | 3 | 3 |
| 9 | F4229 | Left rear engine plate | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 10 | F4230 | Right rear engine plate | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 11 | F3665 | Stud ($4\frac{1}{4}$ in. O.A.) | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 12 | PO172A | Nut | ... | ... | ... | ... | ... | ... | 4 | 4 | 4 |
| 13 | E3695 | Stud ($4\frac{1}{8}$ in. O.A.) | ... | ... | ... | ... | ... | ... | 2 | 2 | 2 |
| 14 | S1-51 | Nut | ... | ... | ... | ... | ... | ... | 5 | 5 | 5 |
| 15 | E3860 | Left torque stay | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 16 | E3861 | Right torque stay | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 17 | S1-52 | Nut | ... | ... | ... | ... | ... | ... | 2 | 2 | 2 |
| 18 | E3862 | Torque stay clip | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 19 | DS58 | Bolt ($\frac{3}{4}$ in. U.H.) | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 20 | E3812 | Stud ($7\frac{1}{8}$ in. O.A.) | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 21 | F4197 | Distance piece | ... | ... | ... | ... | ... | ... | 2 | 2 | 2 |
| 22 | E3992 | Left exhaust pipe | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 23 | E3994 | Right exhaust pipe | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 24 | E1270 | Finned clip | ... | ... | ... | ... | ... | ... | 2 | 2 | 2 |
| 25 | E410A | Hemispherical washer | ... | ... | ... | ... | ... | ... | 2 | 2 | 2 |
| 26 | E409 | Bolt ($1\frac{1}{8}$ in. U.H.) | ... | ... | ... | ... | ... | ... | 2 | 2 | 2 |
| 27 | F4707 | Left bracket | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 28 | F4283 | Right bracket | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 29 | DS57 | Bolt ($\frac{1}{2}$ in. U.H.) | ... | ... | ... | ... | ... | ... | 2 | 2 | 2 |
| 30 | E1612 | Serrated washer | ... | ... | ... | ... | ... | ... | 2 | 2 | 2 |
| 31 | F879 | Nut | ... | ... | ... | ... | ... | ... | 2 | 2 | 2 |
| 32 | E3935 | Left silencer | ... | ... | ... | ... | ... | ... | 1 | 1 | — |
| 32 | E4157 | Left silencer | ... | ... | ... | ... | ... | ... | — | — | 1 |
| 33 | E3936 | Right silencer | ... | ... | ... | ... | ... | ... | 1 | 1 | — |
| 33 | E4158 | Right silencer | ... | ... | ... | ... | ... | ... | — | — | 1 |
| 34 | E4155 | Silencer mute | ... | ... | ... | ... | ... | ... | A | A | 2 |
| 35 | H689 | Screw ($\frac{1}{4}$ in. U.H.) | ... | ... | ... | ... | ... | ... | A | A | 2 |
| 36 | H745 | Nut | ... | ... | ... | ... | ... | ... | A | A | 2 |
| 37 | E2271 | Clip | ... | ... | ... | ... | ... | ... | 2 | 2 | 2 |
| 38 | TE164E | Bolt ($1\frac{1}{8}$ in. U.H.) | ... | ... | ... | ... | ... | ... | 2 | 2 | 2 |
| 39 | TE164D | "D" washer | ... | ... | ... | ... | ... | ... | 2 | 2 | 2 |
| 40 | TE164C | "D" nut | ... | ... | ... | ... | ... | ... | 2 | 2 | 2 |

FRAME

| | | | 3TA | 5TA | T100A |
|----|--------|---|-----|-----|-------|
| 1 | F4157 | Front frame | 1 | 1 | 1 |
| 2 | H1130 | Steering race cup | 2 | 2 | 2 |
| 3 | S70-4 | Steel ball ($\frac{3}{16}$ in. diam.) | 48 | 48 | 48 |
| 4 | H1140 | Top cone and dust cover | 1 | 1 | 1 |
| 5 | KW194 | Grease nipple | 1 | 1 | 1 |
| 6 | WE170 | Fibre washer | 1 | 1 | 1 |
| 7 | F4158 | Rear frame | 1 | 1 | 1 |
| 8 | F2842 | Stud ($3\frac{7}{8}$ in. O.A.) | 1 | 1 | 1 |
| 9 | S26-1 | Spring washer | 2 | 2 | 2 |
| 10 | S1-52 | Nut | 2 | 2 | 2 |
| 11 | F3780 | Bolt ($1\frac{1}{8}$ in. U.H.) | 2 | 2 | 2 |
| 12 | PCW73A | Spring washer | 2 | 2 | 2 |
| 13 | F4402 | Centre stand | 1 | 1 | 1 |
| 14 | T449 | Pedal rubber | 1 | 1 | 1 |
| 15 | F3619 | Pivot bolt ($1\frac{1}{8}$ in. U.H.) | 2 | 2 | 2 |
| 16 | F4484 | Tab washer | 2 | 2 | 2 |
| 17 | F2725 | Nut | 2 | 2 | 2 |
| 18 | F3617 | Return spring | 1 | 1 | 1 |
| 19 | F4388 | Prop stand | 1 | 1 | 1 |
| 20 | F3097 | Pivot bolt | 1 | 1 | 1 |
| 21 | F3096 | Tab washer | 1 | 1 | 1 |
| 22 | F2610 | Return spring | 1 | 1 | 1 |
| 23 | F4214 | Left footrest | 1 | 1 | 1 |
| 24 | F4215 | Right footrest | 1 | 1 | 1 |
| 25 | NF704 | Pedal rubber | 2 | 2 | 2 |
| 26 | F4369 | Bolt ($2\frac{1}{8}$ in. U.H.) | 2 | 2 | 2 |
| 27 | F4370 | Plain washer | 2 | 2 | 2 |
| 28 | DS47 | Nut | 2 | 2 | 2 |
| 29 | F4407 | Left pillion footrest support | 1 | 1 | 1 |
| 30 | F4410 | Right pillion footrest support | 1 | 1 | 1 |
| 31 | E1396 | Stud ($\frac{1}{2}$ in. O.A.) | 4 | 4 | 4 |
| 32 | S26-3 | Spring washer | 4 | 4 | 4 |
| 33 | S1-51 | Nut | 4 | 4 | 4 |
| 34 | F4327 | PILLION FOOTREST | 2 | 2 | 2 |
| 35 | F2268 | Footrest hanger | 2 | 2 | 2 |
| 36 | F4309 | Stud ($1\frac{3}{8}$ in. O.A.) | 2 | 2 | 2 |
| 37 | S26-1 | Spring washer | 2 | 2 | 2 |
| 38 | PO172A | Nut | 2 | 2 | 2 |
| 39 | F1694 | Pedal | 2 | 2 | 2 |
| 40 | F2271 | Pivot bolt | 2 | 2 | 2 |
| 41 | F2277 | Spring washer | 2 | 2 | 2 |
| 42 | S1-51 | Nut | 2 | 2 | 2 |
| 43 | F1695 | Pedal rubber | 2 | 2 | 2 |
| 44 | F4284 | Brake pedal spindle | 1 | 1 | 1 |
| 45 | SCZ45 | Spring washer | 1 | 1 | 1 |
| 46 | DS48 | Nut | 1 | 1 | 1 |
| 47 | F4314 | Brake pedal | 1 | 1 | 1 |
| 48 | S26-16 | Spring washer | 1 | 1 | 1 |
| 49 | S25-2 | Plain washer | 1 | 1 | 1 |
| 50 | S1-52 | Nut | 1 | 1 | 1 |
| 51 | F1149 | Pedal stop screw ($\frac{1}{8}$ in. U.H.) | 1 | 1 | 1 |
| 52 | F879 | Nut | 1 | 1 | 1 |

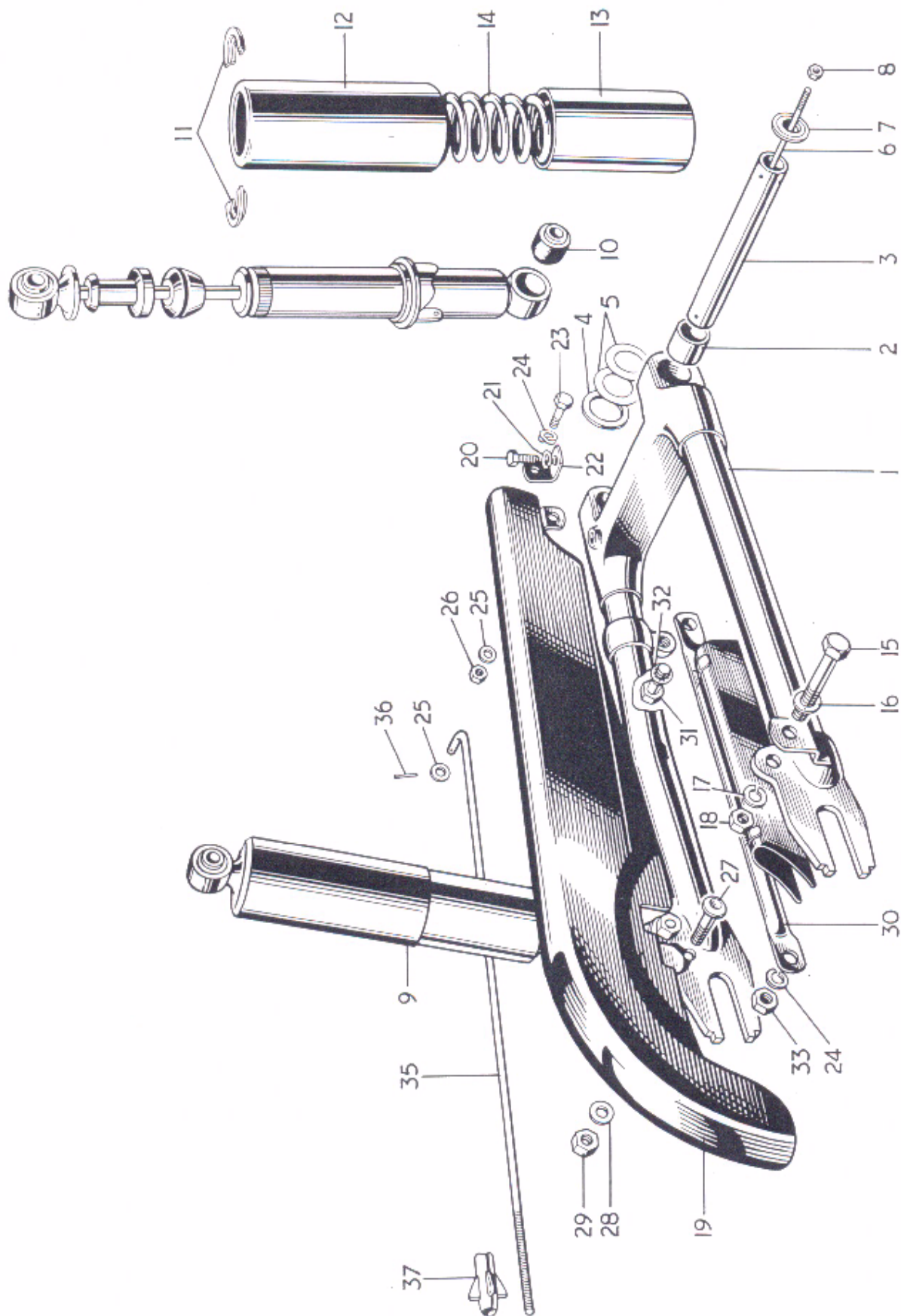


Fig. 12. SWINGING FORK, SUSPENSION UNITS AND CHAINGUARD.

SWINGING FORK, SUSPENSION UNITS & CHAINGUARD

| | | | | | | | | | | 3TA | 5TA | T100A |
|----|--|---|-----|-----|-----|-----|-----|-----|-----|-------------|-----|-------|
| 1 | F4190 | SWINGING FORK | ... | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 2 | F4076 | Pivot bush | ... | ... | ... | ... | ... | ... | ... | 2 | 2 | 2 |
| 3 | F4195 | Spindle | ... | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 4 | F4078 | Spacing washer | ... | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 5 | F4385 | Shim 0.003 in. | ... | ... | ... | ... | ... | ... | ... | as required | | |
| 5 | F4386 | Shim 0.005 in. | ... | ... | ... | ... | ... | ... | ... | as required | | |
| 6 | F3797 | Retainer rod | ... | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 7 | F4196 | Cap | ... | ... | ... | ... | ... | ... | ... | 2 | 2 | 2 |
| 8 | F3799 | Nut | ... | ... | ... | ... | ... | ... | ... | 2 | 2 | 2 |
| 9 | 64053946 | SUSPENSION UNIT | ... | ... | ... | ... | ... | ... | ... | 2 | — | 2 |
| 9 | 64054200 | SUSPENSION UNIT | ... | ... | ... | ... | ... | ... | ... | — | 2 | — |
| 10 | 9054/316A | Bonded bush | ... | ... | ... | ... | ... | ... | ... | 4 | 4 | 4 |
| 11 | 9054/171 | Spring retainer | ... | ... | ... | ... | ... | ... | ... | 4 | 4 | 4 |
| 12 | 9054/151 | Outer dirt shield | ... | ... | ... | ... | ... | ... | ... | 2 | 2 | 2 |
| 13 | 9054/47 | Inner dirt shield | ... | ... | ... | ... | ... | ... | ... | 2 | 2 | 2 |
| 14 | 64539963 | Spring, 130 lbs. Red/Orange | ... | ... | ... | ... | ... | ... | ... | 2 | 2 | 2 |
| 14 | 9054/277 | Spring, 110 lbs. Red/Red | ... | ... | ... | ... | ... | ... | ... | A | A | A |
| 14 | SA253/5 | Spring, 145 lbs. Blue/Yellow | ... | ... | ... | ... | ... | ... | ... | A | A | A |
| 15 | E2113 | Unit fixing bolt (1 $\frac{1}{8}$ in. U.H.) | ... | ... | ... | ... | ... | ... | ... | 4 | 4 | 4 |
| 16 | F2184 | Plain washer | ... | ... | ... | ... | ... | ... | ... | 2 | 2 | 2 |
| 17 | S26-1 | Spring washer | ... | ... | ... | ... | ... | ... | ... | 4 | 4 | 4 |
| 18 | PO172A | Nut | ... | ... | ... | ... | ... | ... | ... | 4 | 4 | 4 |
| 19 | F4198 | Upper chainguard | ... | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 20 | DS57 | Bolt ($\frac{7}{8}$ in. U.H.) | ... | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 21 | S26-2 | Spring washer | ... | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 22 | F4134 | Front bracket | ... | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 23 | F4135 | Pivot bolt | ... | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 24 | F2277 | Spring washer | ... | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 25 | S25-13 | Plain washer | ... | ... | ... | ... | ... | ... | ... | 2 | 2 | 2 |
| 26 | F879 | Nut | ... | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 27 | F4136 | Stepped bolt | ... | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 28 | S25-3 | Plain washer | ... | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 29 | S1-51 | Nut | ... | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 30 | F4199 | Lower chainguard | ... | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 31 | W840 | Bolt ($\frac{1}{2}$ in. U.H.) | ... | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 32 | E2288 | Serrated washer | ... | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 33 | DS47 | Nut | ... | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 34 | PCW73A | Spring washer | ... | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 35 | F3597 | Brake operating rod | ... | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 36 | $\frac{1}{16}$ in. x $\frac{3}{8}$ in. | Split pin | ... | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 37 | F4585 | Adjuster nut | ... | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |

ASSEMBLY REF. No. 1

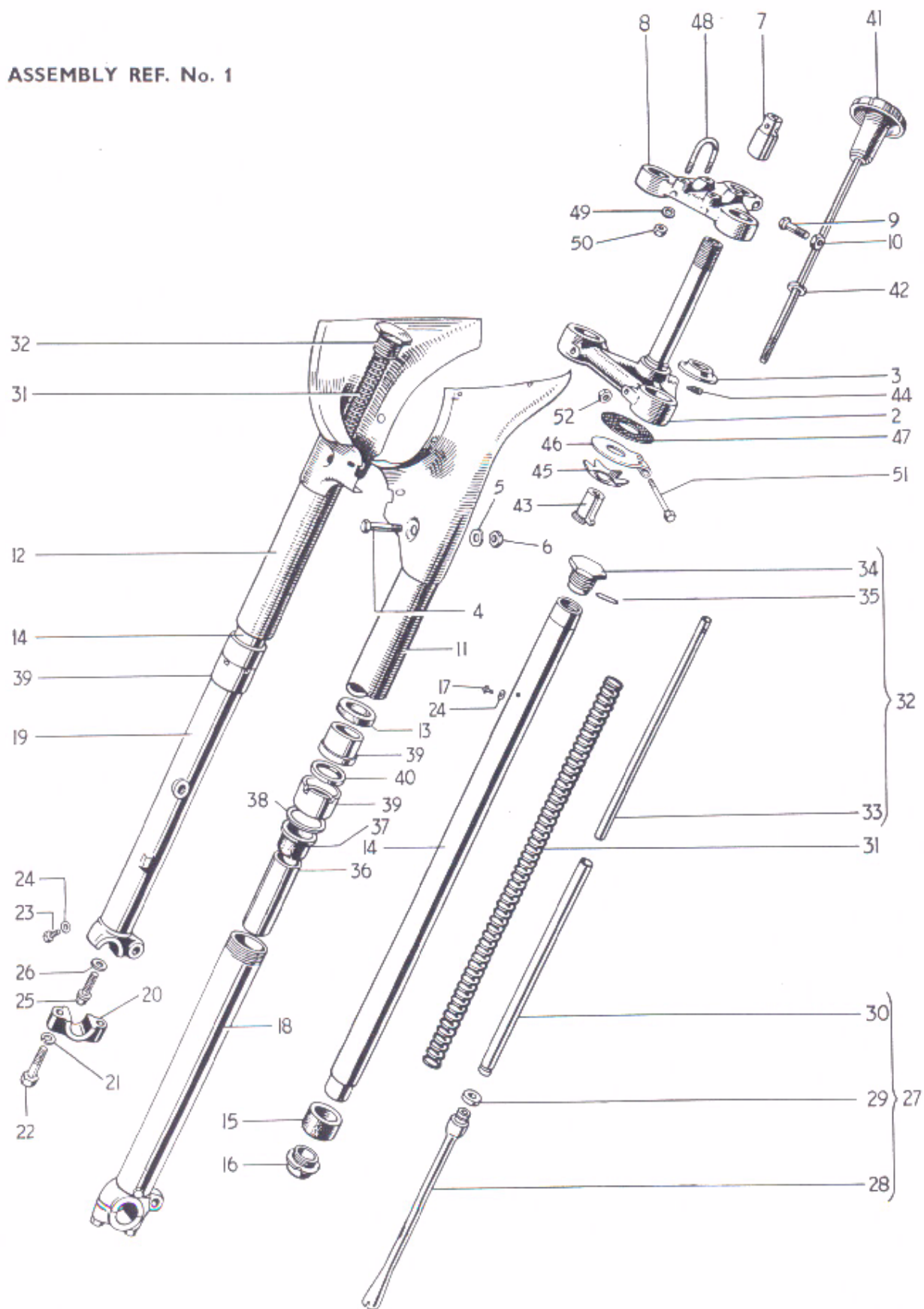


Fig. 13. TELESCOPIC FRONT FORK

TELESCOPIC FRONT FORK

| | | | | | | | | | 3TA | 5TA | T100A |
|----|-------|---|-----|-----|-----|-----|-----|-----|-----|-----|-------|
| 1 | H1174 | FORK ASSEMBLY | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 2 | H1112 | Middle lug and stem... | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 3 | H1110 | Bottom cone ... | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 4 | H941 | Pinch bolt (2 $\frac{1}{8}$ in. U.H.) | ... | ... | ... | ... | ... | ... | 2 | 2 | 2 |
| 5 | S25-2 | Plain washer | ... | ... | ... | ... | ... | ... | 2 | 2 | 2 |
| 6 | E2412 | Nut ... | ... | ... | ... | ... | ... | ... | 2 | 2 | 2 |
| 7 | H1141 | Fork stem sleeve nut | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 8 | H1108 | Top lug | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 9 | F1760 | Pinch bolt (1 $\frac{1}{16}$ in. U.H.) | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 10 | H379 | Seated nut | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 11 | H1145 | Left nacelle cover | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 12 | H1146 | Right nacelle cover | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 13 | H420 | Sponge rubber washer | ... | ... | ... | ... | ... | ... | 2 | 2 | 2 |
| 14 | H1123 | STANCHION c/w BEARING | ... | ... | ... | ... | ... | ... | 2 | 2 | 2 |
| 15 | H443 | Lower bearing | ... | ... | ... | ... | ... | ... | 2 | 2 | 2 |
| 16 | H1058 | Bearing nut | ... | ... | ... | ... | ... | ... | 2 | 2 | 2 |
| 17 | H519A | Oil filler plug ($\frac{1}{8}$ in. U.H.) | ... | ... | ... | ... | ... | ... | 2 | 2 | 2 |
| 18 | H1117 | LEFT BOTTOM MEMBER c/w CAP | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 19 | H1118 | RIGHT BOTTOM MEMBER c/w CAP | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 20 | H1053 | Spindle cap | ... | ... | ... | ... | ... | ... | 2 | 2 | 2 |
| 21 | S26-3 | Spring washer | ... | ... | ... | ... | ... | ... | 4 | 4 | 4 |
| 22 | H1070 | Cap bolt (1 $\frac{1}{8}$ in. U.H.) | ... | ... | ... | ... | ... | ... | 4 | 4 | 4 |
| 23 | H1071 | Drain plug | ... | ... | ... | ... | ... | ... | 2 | 2 | 2 |
| 24 | H430 | Fibre washer | ... | ... | ... | ... | ... | ... | 4 | 4 | 4 |
| 25 | H1063 | Flanged bolt ($\frac{3}{32}$ in. U.H.) | ... | ... | ... | ... | ... | ... | 2 | 2 | 2 |
| 26 | H1062 | Aluminium washer | ... | ... | ... | ... | ... | ... | 2 | 2 | 2 |
| 27 | H1124 | RESTRICTOR ROD ASSEMBLY | ... | ... | ... | ... | ... | ... | 2 | 2 | 2 |
| 28 | H1061 | Restrictor rod | ... | ... | ... | ... | ... | ... | 2 | 2 | 2 |
| 29 | H1060 | Plain washer | ... | ... | ... | ... | ... | ... | 2 | 2 | 2 |
| 30 | H1125 | Guide tube | ... | ... | ... | ... | ... | ... | 2 | 2 | 2 |
| 31 | H1127 | Main spring. Yellow | ... | ... | ... | ... | ... | ... | 2 | 2 | 2 |
| 32 | H1064 | CAP NUT ASSEMBLY | ... | ... | ... | ... | ... | ... | 2 | 2 | 2 |
| 33 | H1051 | Guide tube | ... | ... | ... | ... | ... | ... | 2 | 2 | 2 |
| 34 | H1065 | Cap nut | ... | ... | ... | ... | ... | ... | 2 | 2 | 2 |
| 35 | H1066 | Pin | ... | ... | ... | ... | ... | ... | 2 | 2 | 2 |
| 36 | H1126 | Damping sleeve | ... | ... | ... | ... | ... | ... | 2 | 2 | 2 |
| 37 | H441 | Top bearing | ... | ... | ... | ... | ... | ... | 2 | 2 | 2 |
| 38 | H431 | Plain washer | ... | ... | ... | ... | ... | ... | 2 | 2 | 2 |
| 39 | H1194 | DUST EXCLUDER SLEEVE NUT | ... | ... | ... | ... | ... | ... | 2 | 2 | 2 |
| 40 | H1168 | Oil seal | ... | ... | ... | ... | ... | ... | 2 | 2 | 2 |
| 41 | H1142 | Steering damper knob c/w rod | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 42 | H565 | Plain washer | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 43 | H408 | Adjuster sleeve | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 44 | H409 | Locating pin | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 45 | H95 | Spring plate | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 46 | H1111 | Anchor plate | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 47 | H435 | Friction disc | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 48 | H660 | Handlebar "U" bolt | ... | ... | ... | ... | ... | ... | 2 | 2 | 2 |
| 49 | S25-3 | Plain washer | ... | ... | ... | ... | ... | ... | 4 | 4 | 4 |
| 50 | E1310 | Nut | ... | ... | ... | ... | ... | ... | 4 | 4 | 4 |
| 51 | F3468 | Bolt (2 $\frac{1}{8}$ in. U.H.) | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 52 | S1-51 | Nut | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |

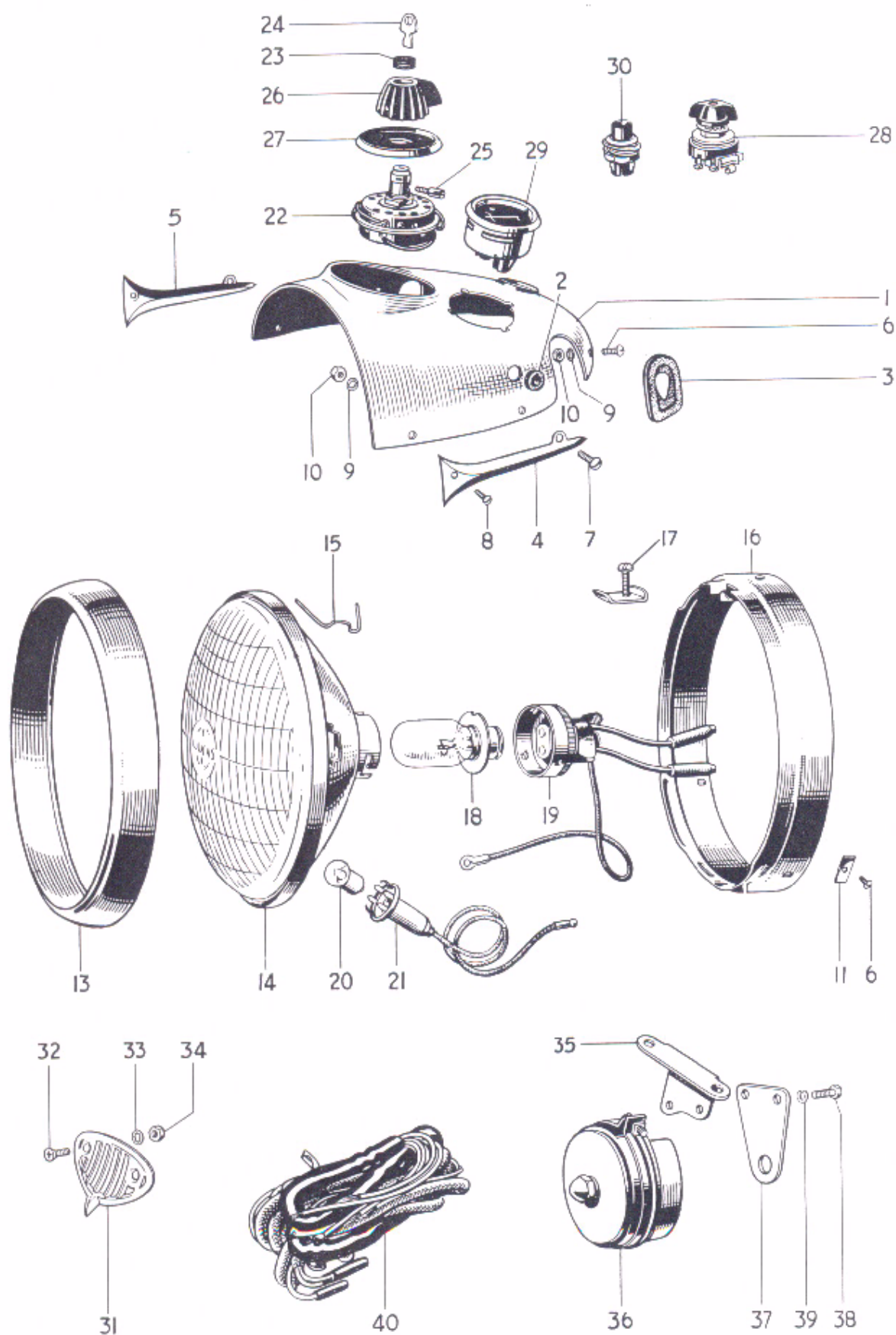


Fig. 14. NACELLE, HEADLAMP AND SWITCHES

NACELLE, HEADLAMP AND SWITCHES

| | | | | | | | | | | 3TA | 5TA | T100A |
|----|----------|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|
| 1 | H1144 | Nacelle top | ... | ... | ... | ... | ... | ... | ... | 1 | 1 | — |
| 1 | H1298 | Nacelle top | ... | ... | ... | ... | ... | ... | ... | — | — | 1 |
| 2 | H961 | Rubber grommet | ... | ... | ... | ... | ... | ... | ... | 3 | 3 | 3 |
| 3 | H669 | Rubber grommet | ... | ... | ... | ... | ... | ... | ... | 2 | 2 | 2 |
| 4 | H877 | Left motif | ... | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 5 | H878 | Right motif | ... | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 6 | H689 | Screw ($\frac{1}{8}$ in. U.H.) | ... | ... | ... | ... | ... | ... | ... | 4 | 4 | 4 |
| 7 | H688 | Screw ($\frac{7}{16}$ in. U.H.) | ... | ... | ... | ... | ... | ... | ... | 2 | 2 | 2 |
| 8 | H687 | Screw ($\frac{3}{8}$ in. U.H.) | ... | ... | ... | ... | ... | ... | ... | 2 | 2 | 2 |
| 9 | E2880 | Serrated washer | ... | ... | ... | ... | ... | ... | ... | 4 | 4 | 4 |
| 10 | H691 | Nut | ... | ... | ... | ... | ... | ... | ... | 4 | 4 | 4 |
| 11 | H690 | Nut | ... | ... | ... | ... | ... | ... | ... | 2 | 2 | 2 |
| 12 | 51860 | HEADLAMP | ... | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 13 | 553248 | Rim | ... | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 14 | 516812 | Light unit | ... | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 15 | 504665 | Fixing wire | ... | ... | ... | ... | ... | ... | ... | 6 | 6 | 6 |
| 16 | 553267 | Fixing ring | ... | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 17 | 534296 | Screw and plate | ... | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 18 | 373 | Bulb (30/24 W. L.H. Dipping. Pre-focus) | ... | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 19 | 554602 | Adaptor | ... | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 20 | 988 | Bulb (3W. M.C.C.) | ... | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 21 | 554710 | Pilot bulbholder | ... | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 22 | 31443 | LIGHTING AND IGNITION SWITCH. P.R.S.8 | ... | ... | ... | ... | ... | ... | ... | 1 | 1 | — |
| 23 | 318323 | Grommet | ... | ... | ... | ... | ... | ... | ... | 1 | 1 | — |
| 24 | 318341 | Key | ... | ... | ... | ... | ... | ... | ... | 1 | 1 | — |
| 25 | 319333 | Screw | ... | ... | ... | ... | ... | ... | ... | 1 | 1 | — |
| 26 | 318346 | Knob | ... | ... | ... | ... | ... | ... | ... | 1 | 1 | — |
| 27 | 318343 | Index plate | ... | ... | ... | ... | ... | ... | ... | 1 | 1 | — |
| 28 | 31784 | Lighting switch S.A. 41 | ... | ... | ... | ... | ... | ... | ... | — | — | 1 |
| 29 | 36189 | Ammeter, B.M.4 | ... | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 30 | 31071 | Cut-out button, S.S.5 | ... | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 31 | H992 | Horn grille | ... | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 32 | H993 | Screw (0.540 in. U.H.) | ... | ... | ... | ... | ... | ... | ... | 2 | 2 | 2 |
| 33 | GS299 | Serrated washer | ... | ... | ... | ... | ... | ... | ... | 2 | 2 | 2 |
| 34 | F3799 | Nut | ... | ... | ... | ... | ... | ... | ... | 2 | 2 | 2 |
| 35 | H1172 | Horn bracket | ... | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 36 | 70048 | Horn | ... | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 37 | 701851 | Fixing plate | ... | ... | ... | ... | ... | ... | ... | 2 | 2 | 2 |
| 38 | 142689 | Screw | ... | ... | ... | ... | ... | ... | ... | 2 | 2 | 2 |
| 39 | 185051 | Spring washer | ... | ... | ... | ... | ... | ... | ... | 2 | 2 | 2 |
| 40 | 794981 | Wiring harness | ... | ... | ... | ... | ... | ... | ... | 1 | 1 | — |
| 40 | 54094161 | Wiring harness | ... | ... | ... | ... | ... | ... | ... | — | — | 1 |

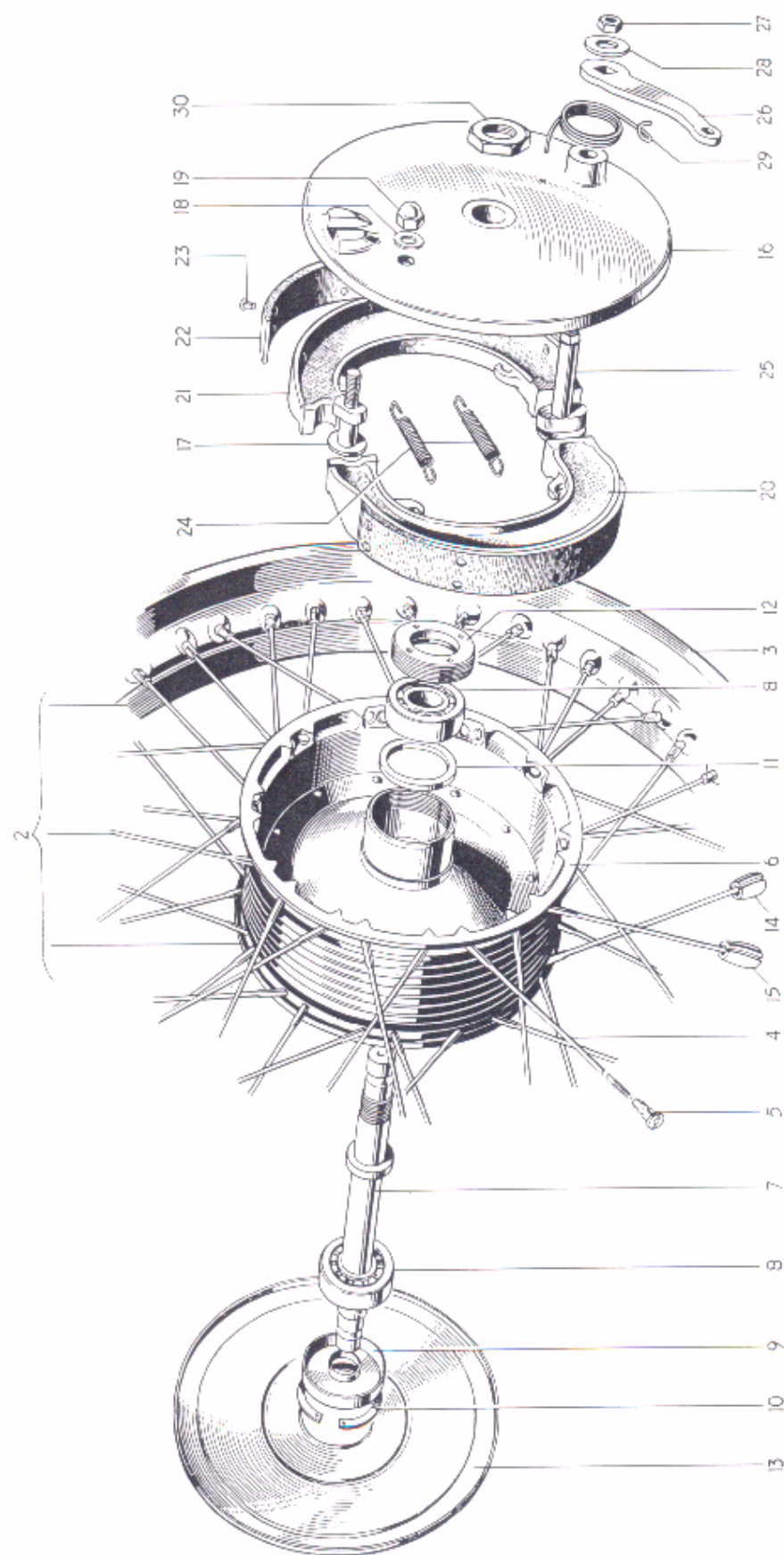


Fig. 15. FRONT WHEEL

| Ref. No. | Part No. | DESCRIPTION | 3TA | 5TA | T100A |
|--------------------|----------|--|-------------|-----|-------|
| FRONT WHEEL | | | | | |
| 1 | W1311 | FRONT WHEEL COMPLETE | 1 | 1 | 1 |
| 2 | W1273 | RIM, SPOKES AND HUB ASSEMBLY | 1 | 1 | 1 |
| 3 | W1274 | Front wheel rim W.M.2-17 | 1 | 1 | 1 |
| 4 | W1275 | Spoke (8/10G x 5 $\frac{1}{16}$ in., straight) c/w nipple | 40 | 40 | 40 |
| 5 | S79-2 | Spoke nipple | 40 | 40 | 40 |
| 6 | W1231 | Hub and brake drum | 1 | 1 | 1 |
| 7 | W1239 | Wheel spindle | 1 | 1 | 1 |
| 8 | W653 | Bearing | 2 | 2 | 2 |
| 9 | W1237 | Dust cover | 1 | 1 | 1 |
| 10 | T280 | Circlip | 1 | 1 | 1 |
| 11 | W1238 | Backing ring | 1 | 1 | 1 |
| 12 | W582 | Retaining ring | 1 | 1 | 1 |
| 13 | W1334 | Cover plate | 1 | 1 | 1 |
| 14 | W1197 | Balance weight, $\frac{1}{2}$ oz. | as required | | |
| 15 | W1198 | Balance weight, 1 oz. | as required | | |
| 16 | W1301 | Brake anchor plate | 1 | 1 | 1 |
| 17 | W1302 | Fulcrum pin | 1 | 1 | 1 |
| 18 | S25-2 | Plain washer | 1 | 1 | 1 |
| 19 | E1435 | Domed nut | 1 | 1 | 1 |
| 20 | W93 | BRAKE SHOE c/w LINING | 1 | 1 | 1 |
| 21 | W93 | BRAKE SHOE c/w LINING | 1 | 1 | 1 |
| 22 | NW243 | Brake lining | 2 | 2 | 2 |
| 23 | W129 | Brass rivet | 16 | 16 | 16 |
| 24 | W135 | Shoe return spring | 2 | 2 | 2 |
| 25 | W1243 | Brake cam | 1 | 1 | 1 |
| 26 | W1298X | Brake cam lever | 1 | 1 | 1 |
| 27 | S1-52 | Nut | 1 | 1 | 1 |
| 28 | S25-6 | Plain washer | 1 | 1 | 1 |
| 29 | W592 | Lever return spring | 1 | 1 | 1 |
| 30 | W1246 | Anchor plate nut | 1 | 1 | 1 |

ASSEMBLY REF. No. 1

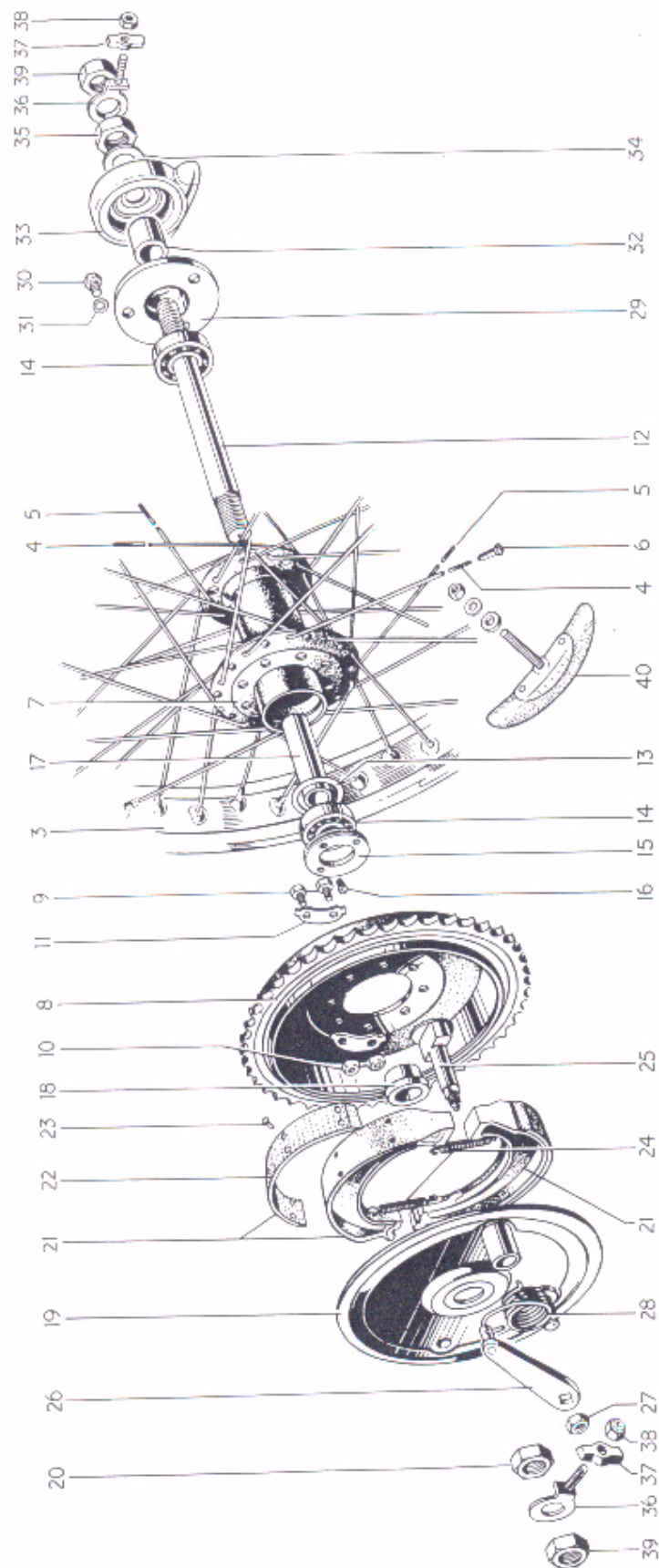


Fig. 16. REAR WHEEL.

| Ref. No. | Part No. | DESCRIPTION | QUANTITY |
|-------------------|----------|--|---------------|
| REAR WHEEL | | | |
| | | | 3TA 5TA T100A |
| 1 | W1313 | REAR WHEEL COMPLETE | 1 1 1 |
| 2 | W1265 | RIM, SPOKES AND HUB ASSEMBLY | 1 1 1 |
| 3 | W1272 | Rear wheel rim W.M.2-17 | 1 1 1 |
| 4 | W1270 | Spoke (8/10G. x $7\frac{1}{8}$ in. 110°) c/w nipple | 20 20 20 |
| 5 | W1271 | Spoke (8/10G. x $7\frac{1}{8}$ in. 90°) c/w nipple | 20 20 20 |
| 6 | S79-2 | Spoke nipple | 40 40 40 |
| 7 | W1266 | Hub | 1 1 1 |
| 8 | W1276 | Sprocket and brake drum 43T | 1 1 1 |
| 9 | W62 | Sprocket to hub bolt ($\frac{1}{8}$ in. U.H.) | 8 8 8 |
| 10 | S1-51 | Nut | 8 8 8 |
| 11 | W63 | Locking plate | 8 8 8 |
| 12 | W1281 | Wheel spindle | 1 1 1 |
| 13 | W1022 | Backing ring | 1 1 1 |
| 14 | W653 | Bearing | 1 1 1 |
| 15 | W1021 | RETAINING RING | 1 1 1 |
| 16 | W1079 | Locking screw ($\frac{5}{16}$ in. U.H.) | 1 1 1 |
| 17 | W1278 | Distance tube | 1 1 1 |
| 18 | W1024 | Distance piece | 1 1 1 |
| 19 | W1112 | Brake anchor plate | 1 1 1 |
| 20 | W1282 | Nut | 1 1 1 |
| 21 | W93 | BRAKE SHOE c/w LINING | 2 2 2 |
| 22 | NW243 | Brake lining | 2 2 2 |
| 23 | W129 | Brass rivet | 16 16 16 |
| 24 | W135 | Shoe return spring | 2 2 2 |
| 25 | W1083 | Brake cam | 1 1 1 |
| 26 | W1316 | Brake cam lever | 1 1 1 |
| 27 | S1-52 | Nut | 1 1 1 |
| 28 | W1090 | Lever return spring | 1 1 1 |
| 29 | W1277 | Speedometer adaptor | 1 1 1 |
| 30 | DS57 | Bolt ($\frac{7}{16}$ in. U.H.) | 3 3 3 |
| 31 | E1612 | Serrated washer | 3 3 3 |
| 32 | W1279 | Distance piece | 1 1 1 |
| 33 | D373 | Speedometer gearbox | 1 1 1 |
| 34 | W1280 | Plain washer | 1 1 1 |
| 35 | F1747 | Nut | 1 1 1 |
| 36 | W1134 | Chain adjuster | 2 2 2 |
| 37 | W1015 | Adjuster end plate | 2 2 2 |
| 38 | W1058 | Self-locking nut | 2 2 2 |
| 39 | F1747 | Spindle nut | 2 2 2 |
| 40 | D106 | Tyre security bolt... .. | 1 1 1 |

ASSEMBLY REF. No. 1

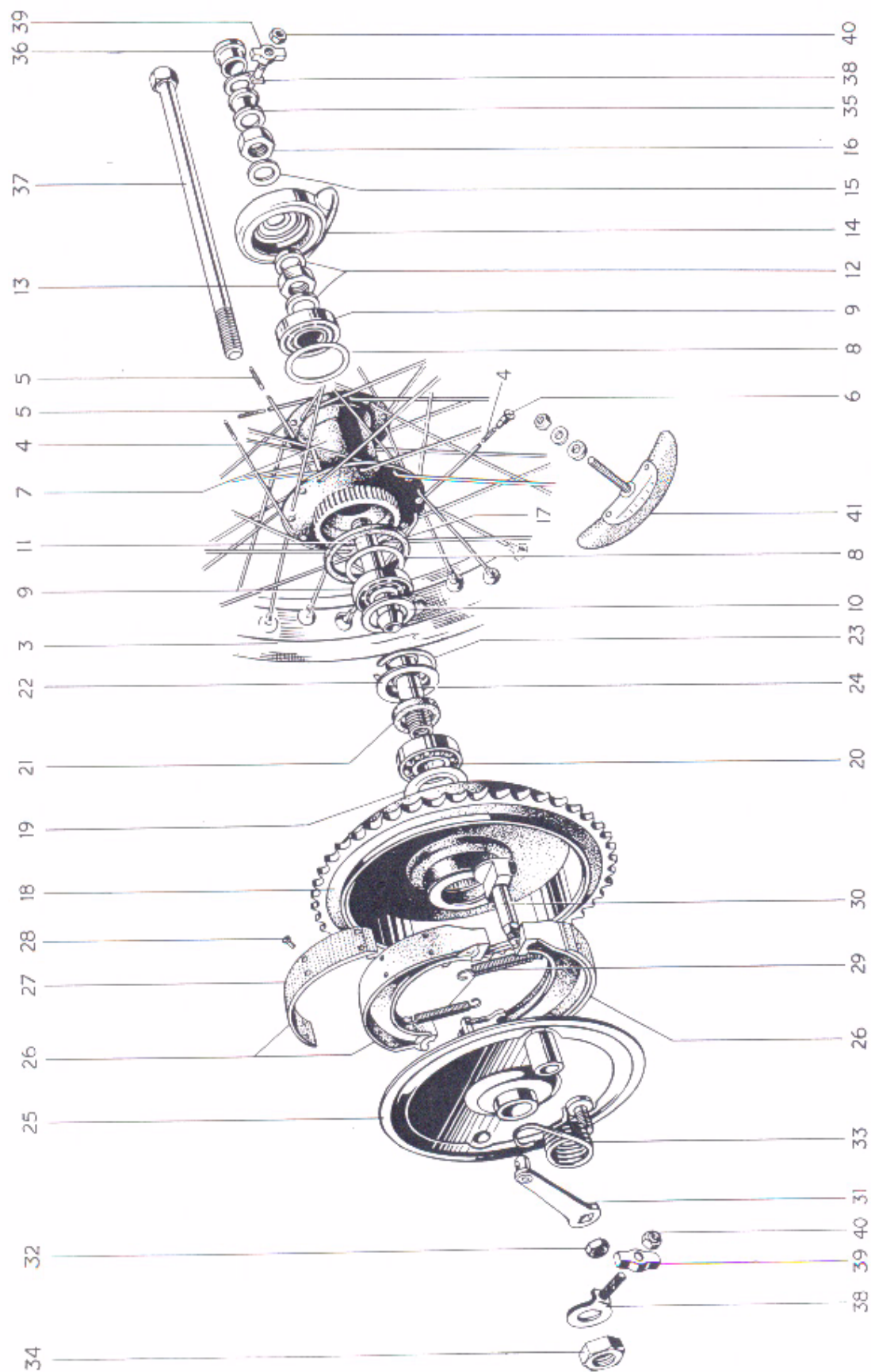


Fig. 17. QUICKLY DETACHABLE REAR WHEEL

| Ref. No. | Part No. | DESCRIPTION | QUANTITY |
|----------|----------|-------------|----------|
|----------|----------|-------------|----------|

QUICKLY DETACHABLE REAR WHEEL

| | | | 3TA | 5TA | T100A |
|----|-------|--|-----|-----|-------|
| 1 | W1386 | Q.D. REAR WHEEL COMPLETE | 1 | 1 | 1 |
| 2 | W1387 | RIM, SPOKES AND HUB ASSEMBLY | 1 | 1 | 1 |
| 3 | W1272 | Rear wheel rim. WM2-17 | 1 | 1 | 1 |
| 4 | W1271 | Spoke (8/10G. x 7 $\frac{1}{8}$ in. 90°) c/w nipple | 20 | 20 | 20 |
| 5 | W1377 | Spoke (8/10G. x 7 $\frac{3}{8}$ in. 90°) c/w nipple | 20 | 20 | 20 |
| 6 | S79-2 | Spoke nipple | 40 | 40 | 40 |
| 7 | W1388 | Hub | 1 | 1 | 1 |
| 8 | W1033 | Backing ring | 2 | 2 | 2 |
| 9 | W1034 | Taper roller bearing complete | 2 | 2 | 2 |
| 10 | W1035 | Dust cap | 1 | 1 | 1 |
| 11 | W1390 | Bearing sleeve | 1 | 1 | 1 |
| 12 | W1391 | Distance piece | 2 | 2 | 2 |
| 13 | F1747 | Nut | 1 | 1 | 1 |
| 14 | D373 | Speedometer gearbox | 1 | 1 | 1 |
| 15 | W1280 | Plain washer | 1 | 1 | 1 |
| 16 | E398 | Nut | 1 | 1 | 1 |
| 17 | W1091 | Rubber sealing ring | 1 | 1 | 1 |
| 18 | W1376 | Sprocket and brake drum 43T | 1 | 1 | 1 |
| 19 | W1143 | Grease retainer | 1 | 1 | 1 |
| 20 | W1041 | Bearing | 1 | 1 | 1 |
| 21 | W1042 | Felt washer | 1 | 1 | 1 |
| 22 | W1043 | Bearing and felt retainer | 1 | 1 | 1 |
| 23 | W1044 | Circlip... .. | 1 | 1 | 1 |
| 24 | W1393 | Bearing sleeve | 1 | 1 | 1 |
| 25 | W1395 | Brake anchor plate | 1 | 1 | 1 |
| 26 | W93 | BRAKE SHOE c/w LINING | 2 | 2 | 2 |
| 27 | NW243 | Brake lining | 2 | 2 | 2 |
| 28 | W129 | Brass rivet | 16 | 16 | 16 |
| 29 | W135 | Shoe return spring | 2 | 2 | 2 |
| 30 | W1083 | Brake cam | 1 | 1 | 1 |
| 31 | W1316 | Brake cam lever | 1 | 1 | 1 |
| 32 | S1-52 | Nut | 1 | 1 | 1 |
| 33 | W1090 | Lever return spring | 1 | 1 | 1 |
| 34 | W1052 | Nut | 1 | 1 | 1 |
| 35 | W1392 | Inner distance piece | 1 | 1 | 1 |
| 36 | W1170 | Outer distance piece | 1 | 1 | 1 |
| 37 | W1055 | Spindle | 1 | 1 | 1 |
| 38 | W1135 | Chain adjuster | 2 | 2 | 2 |
| 39 | W1015 | Adjuster end plate | 2 | 2 | 2 |
| 40 | W1058 | Self-locking nut | 2 | 2 | 2 |
| 41 | D106 | Tyre security bolt... .. | 1 | 1 | 1 |

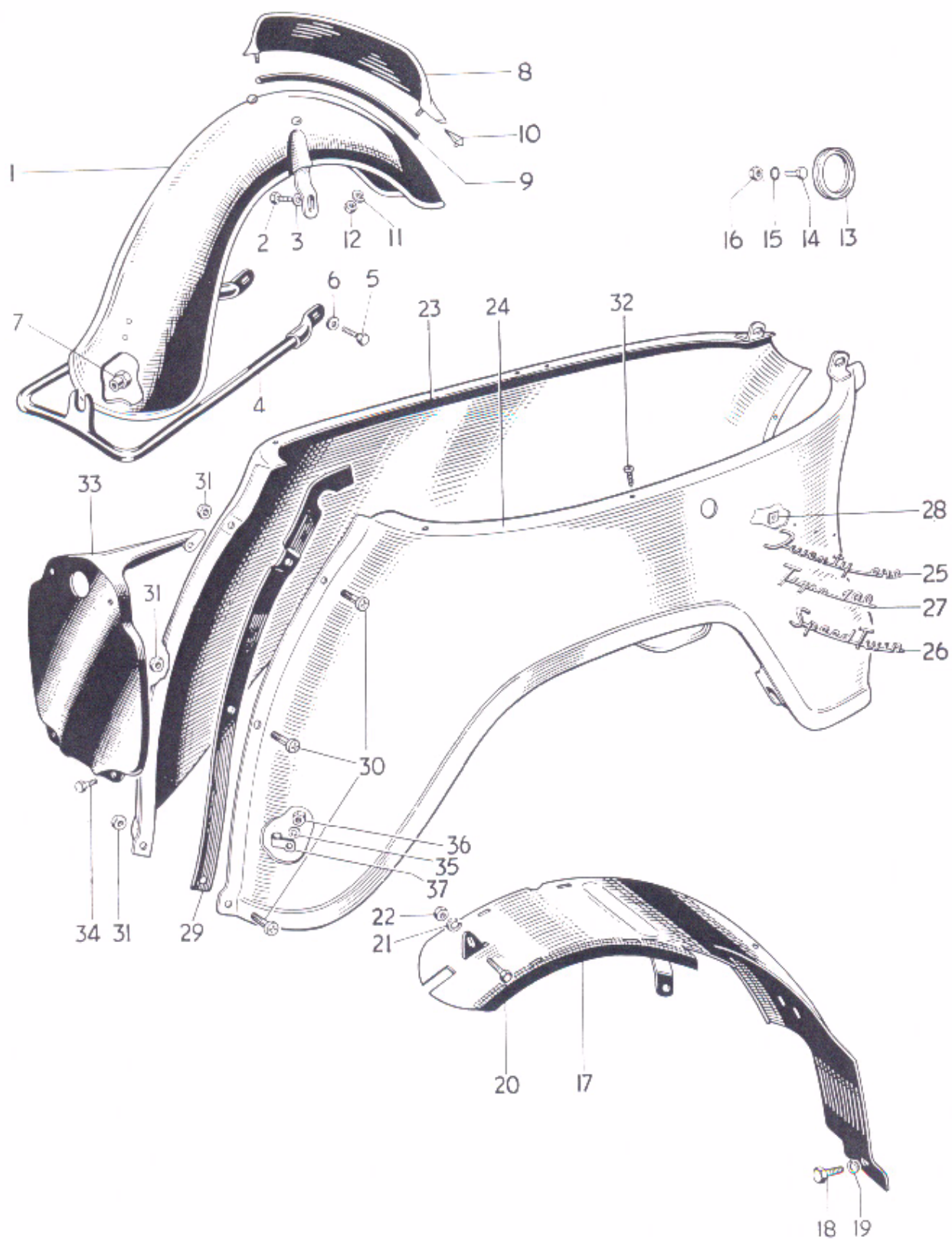


Fig. 18. MUDGUARDS AND REAR PANELS.

MUDGUARDS AND REAR PANELS

| | | | | | | | | | | 3TA | 5TA | T100A |
|----|---------|----------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|
| 1 | H1097 | Front mudguard | ... | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 2 | F929 | Bolt ($\frac{1}{2}$ in. U.H.) | ... | ... | ... | ... | ... | ... | ... | 2 | 2 | 2 |
| 3 | F4299 | Plain washer | ... | ... | ... | ... | ... | ... | ... | 2 | 2 | 2 |
| 4 | H1100 | Bottom stay | ... | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 5 | W62 | Bolt ($\frac{1}{8}$ in. U.H.) | ... | ... | ... | ... | ... | ... | ... | 2 | 2 | 2 |
| 6 | S25-2 | Plain washer | ... | ... | ... | ... | ... | ... | ... | 2 | 2 | 2 |
| 7 | NS362 | Spigot nut | ... | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 8 | F2698 | Number plate | ... | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 9 | H251 | Beading | ... | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 10 | F4332 | Packing piece | ... | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 11 | S26-2 | Spring washer | ... | ... | ... | ... | ... | ... | ... | 2 | 2 | 2 |
| 12 | F879 | Nut | ... | ... | ... | ... | ... | ... | ... | 2 | 2 | 2 |
| 13 | D261 | Licence holder | ... | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 14 | D557 | Bolt | ... | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 15 | E1612 | Serrated washer | ... | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 16 | F879 | Nut | ... | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 17 | F4297 | Rear mudguard | ... | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 18 | F1369 | Bolt ($\frac{3}{8}$ in. U.H.) | ... | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 19 | H1015 | Distance piece | ... | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 20 | GS218 | Bolt ($\frac{1}{16}$ in. U.H.) | ... | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 21 | S25-13 | Plain washer | ... | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 22 | F879 | Nut | ... | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 23 | † F4768 | Left panel | ... | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 24 | † F4769 | Right panel | ... | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 25 | F4312 | Motif "Twentyone" | ... | ... | ... | ... | ... | ... | ... | 2 | — | — |
| 26 | F4523 | Motif "Speed Twin" | ... | ... | ... | ... | ... | ... | ... | — | 2 | — |
| 27 | F4524 | Motif "Tiger 100" | ... | ... | ... | ... | ... | ... | ... | — | — | 2 |
| 28 | F4317 | Spire nut | ... | ... | ... | ... | ... | ... | ... | 6 | 6 | 6 |
| 29 | F4249 | Joint beading | ... | ... | ... | ... | ... | ... | ... | 2 | 2 | 2 |
| 30 | F4715 | Screw ($\frac{1}{32}$ in. U.H.) | ... | ... | ... | ... | ... | ... | ... | 5 | 5 | 5 |
| 31 | F4717 | Nut | ... | ... | ... | ... | ... | ... | ... | 5 | 5 | 5 |
| 32 | F4483 | Self-tapping screw | ... | ... | ... | ... | ... | ... | ... | 4 | 4 | 4 |
| 33 | † F4686 | Number plate | ... | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 34 | F1369 | Bolt ($\frac{3}{8}$ in. U.H.) | ... | ... | ... | ... | ... | ... | ... | 2 | 2 | 2 |
| 35 | S26-2 | Spring washer | ... | ... | ... | ... | ... | ... | ... | 2 | 2 | 2 |
| 36 | F879 | Nut | ... | ... | ... | ... | ... | ... | ... | 2 | 2 | 2 |
| 37 | F3098 | Vent pipe clip | ... | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |

† Certain machines up to H13115 may have inward flanged panels as follows:—

| | | | | | | | | | | | |
|-------|--------------|-----|-----|-----|-----|-----|-----|-----|---|---|---|
| F4144 | Left panel | ... | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| F4145 | Right panel | ... | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| F4245 | Number plate | ... | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |

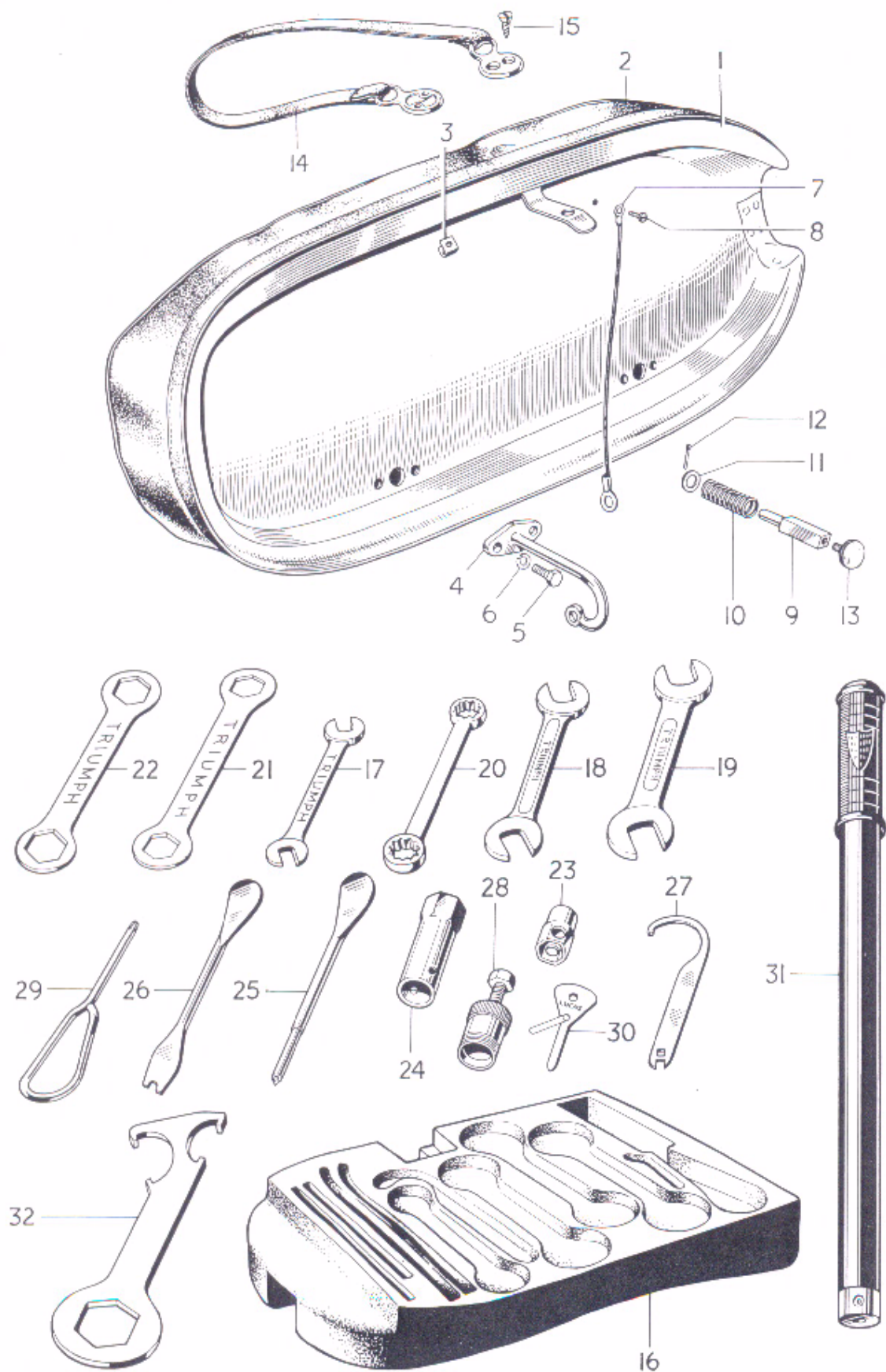


Fig. 19. TWINSEAT AND TOOLKIT.

TWINSEAT AND TOOLKIT

| | | | | | | | | | | 3TA | 5TA | T100A |
|----|---------------------------------------|---|-----|-----|-----|-----|-----|-----|-----|-------------|-----|-------|
| 1 | F4239 | TWINSEAT | ... | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 2 | F4244 | Twinseat cover c/w clips | ... | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 3 | F4475 | Clip | ... | ... | ... | ... | ... | ... | ... | as required | | |
| 4 | F4222 | Hinge | ... | ... | ... | ... | ... | ... | ... | 2 | 2 | 2 |
| 5 | DS57 | Bolt ($\frac{7}{8}$ in. U.H.) | ... | ... | ... | ... | ... | ... | ... | 4 | 4 | 4 |
| 6 | S26-2 | Spring washer | ... | ... | ... | ... | ... | ... | ... | 4 | 4 | 4 |
| 7 | D374 | Check wire | ... | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 8 | F4483 | Self-tapping screw | ... | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 9 | F4426 | Seat catch plunger | ... | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 10 | F4428 | Spring | ... | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 11 | E1719A | Plain washer | ... | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 12 | $\frac{3}{8}$ in. x $\frac{1}{2}$ in. | Split pin | ... | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 13 | F4227 | Knob | ... | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 14 | F4361 | Safety strap | ... | ... | ... | ... | ... | ... | ... | A | A | A |
| 15 | F4365 | Self-tapping screw | ... | ... | ... | ... | ... | ... | ... | 4 | 4 | 4 |
| 16 | F4319 | Moulded tool pad | ... | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 17 | D360 | Open spanner, $\frac{1}{8}$ in. x $\frac{5}{32}$ in. Whit. | ... | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 18 | NA55 | Open spanner, $\frac{1}{4}$ in. x $\frac{5}{16}$ in. Whit. | ... | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 19 | DA16 | Open spanner, $\frac{3}{8}$ in. x $\frac{7}{16}$ in. Whit. | ... | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 20 | D370 | Ring spanner, $\frac{1}{16}$ in. x $\frac{1}{4}$ in. Whit. | ... | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 21 | PA57 | Ring spanner, $\frac{1}{2}$ in. x $\frac{5}{16}$ in. Whit. | ... | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 22 | D311 | Ring spanner, $\frac{5}{8}$ in. x $\frac{11}{16}$ in. Whit. | ... | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 23 | D427 | Box spanner, $\frac{7}{16}$ in. Whit. | ... | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 24 | D87 | Box spanner, spark plug ... | ... | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 25 | D363 | Tyre lever and tommy bar | ... | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 26 | D364 | Tyre lever and clutch key | ... | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 27 | D362 | "C" spanner and tappet key | ... | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 28 | DA50/1 | Clutch extractor | ... | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 29 | D336 | Phillips No. 3 screwdriver | ... | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 30 | 400935 | Ignition screwdriver and feeler gauge | ... | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 31 | D296 | Tyre inflator | ... | ... | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 32 | D220 | Fork spanner | ... | ... | ... | ... | ... | ... | ... | A | A | A |

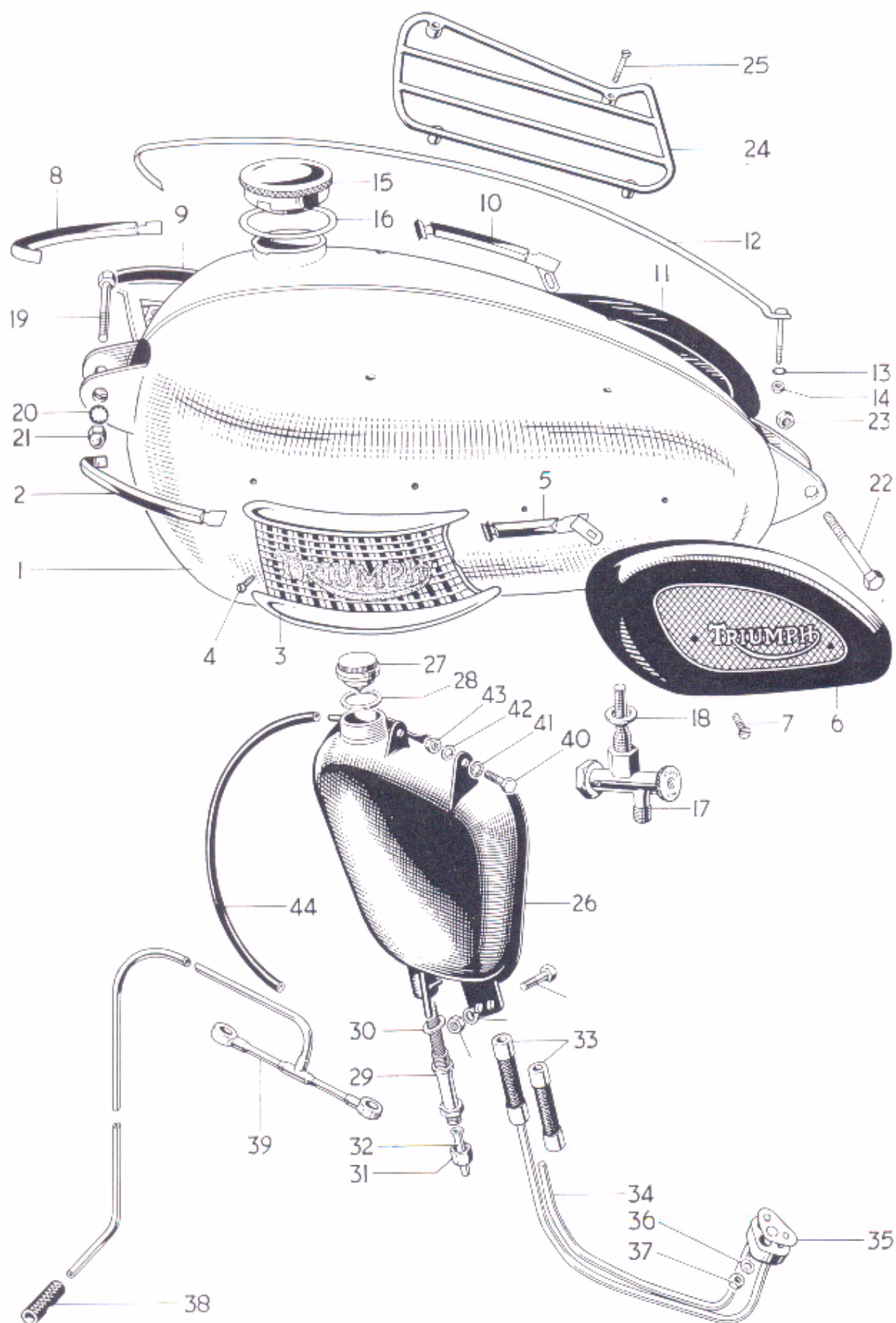


Fig 20. PETROL AND OIL TANKS.

PETROL AND OIL TANKS

| | | | 3TA | 5TA | T100A |
|----|----------|--|-----|-----|-------|
| 1 | F4232 | Petrol Tank | 1 | 1 | 1 |
| 2 | F4235 | Styling strip (Left front) | 1 | 1 | 1 |
| 3 | F4127 | Styling unit (Left) | 1 | 1 | 1 |
| 4 | F4129 | Styling unit screw (0.435 in. U.H.) | 4 | 4 | 4 |
| 5 | F4323 | Styling strip (Left rear) | 1 | 1 | 1 |
| 6 | F2551 | Knee grip (Left) | 1 | 1 | 1 |
| 7 | F1953 | Knee grip screw ($\frac{5}{8}$ in. U.H.) | 4 | 4 | 4 |
| 8 | F4237 | Styling strip (Right front) | 1 | 1 | 1 |
| 9 | F4128 | Styling unit (Right) | 1 | 1 | 1 |
| 10 | F4324 | Styling strip (Right rear) | 1 | 1 | 1 |
| 11 | F2552 | Knee grip (Right) | 1 | 1 | 1 |
| 12 | F4398 | Centre styling strip | 1 | 1 | 1 |
| 13 | F4019 | Serrated washer | 1 | 1 | 1 |
| 14 | H919 | Nut | 1 | 1 | 1 |
| 15 | F3220 | FILLER CAP | 1 | 1 | 1 |
| 16 | F4048 | Joint washer | 1 | 1 | 1 |
| 17 | F1717 | Petrol tap | 1 | 1 | 1 |
| 18 | F1511 | Fibre washer | 1 | 1 | 1 |
| 19 | F4382 | Bolt ($3\frac{1}{2}$ in. U.H.) | 1 | 1 | 1 |
| 20 | E2288 | Serrated washer | 1 | 1 | 1 |
| 21 | E1435 | Domed nut | 1 | 1 | 1 |
| 22 | E327 | Bolt ($3\frac{1}{8}$ in. U.H.) | 1 | 1 | 1 |
| 23 | W76 | Nut | 1 | 1 | 1 |
| 24 | F3917 | Parcel grid | 1 | 1 | 1 |
| 25 | F2936 | Parcel grid screw | 4 | 4 | 4 |
| 26 | F4476 | Oil tank | 1 | 1 | 1 |
| 27 | F4477 | FILLER CAP | 1 | 1 | 1 |
| 28 | F4478 | Joint washer | 1 | 1 | 1 |
| 29 | F4533 | Oil tank filter | 1 | 1 | 1 |
| 30 | F1713 | Fibre washer | 1 | 1 | 1 |
| 31 | F3182 | Union nut | 1 | 1 | 1 |
| 32 | E4113 | Upper feed pipe | 1 | 1 | 1 |
| 33 | MF119/20 | Rubber connector | 2 | 2 | 2 |
| 34 | E4083 | Oil pipes and junction block | 1 | 1 | 1 |
| 35 | E3763 | Joint washer | 1 | 1 | 1 |
| 36 | S25-3 | Plain washer | 1 | 1 | 1 |
| 37 | E1310 | Nut | 1 | 1 | 1 |
| 38 | E3383 | Rubber connector | 1 | 1 | 1 |
| 39 | E3805 | Rocker oil feed pipe | 1 | 1 | 1 |
| 40 | F1213 | Bolt ($\frac{1}{4}$ in. U.H.) | 2 | 2 | 2 |
| 41 | E2287 | Serrated washer | 1 | 1 | 1 |
| 42 | S26-3 | Spring washer | 2 | 2 | 2 |
| 43 | S1-51 | Nut | 2 | 2 | 2 |
| 44 | T1579 | Vent pipe | 1 | 1 | 1 |

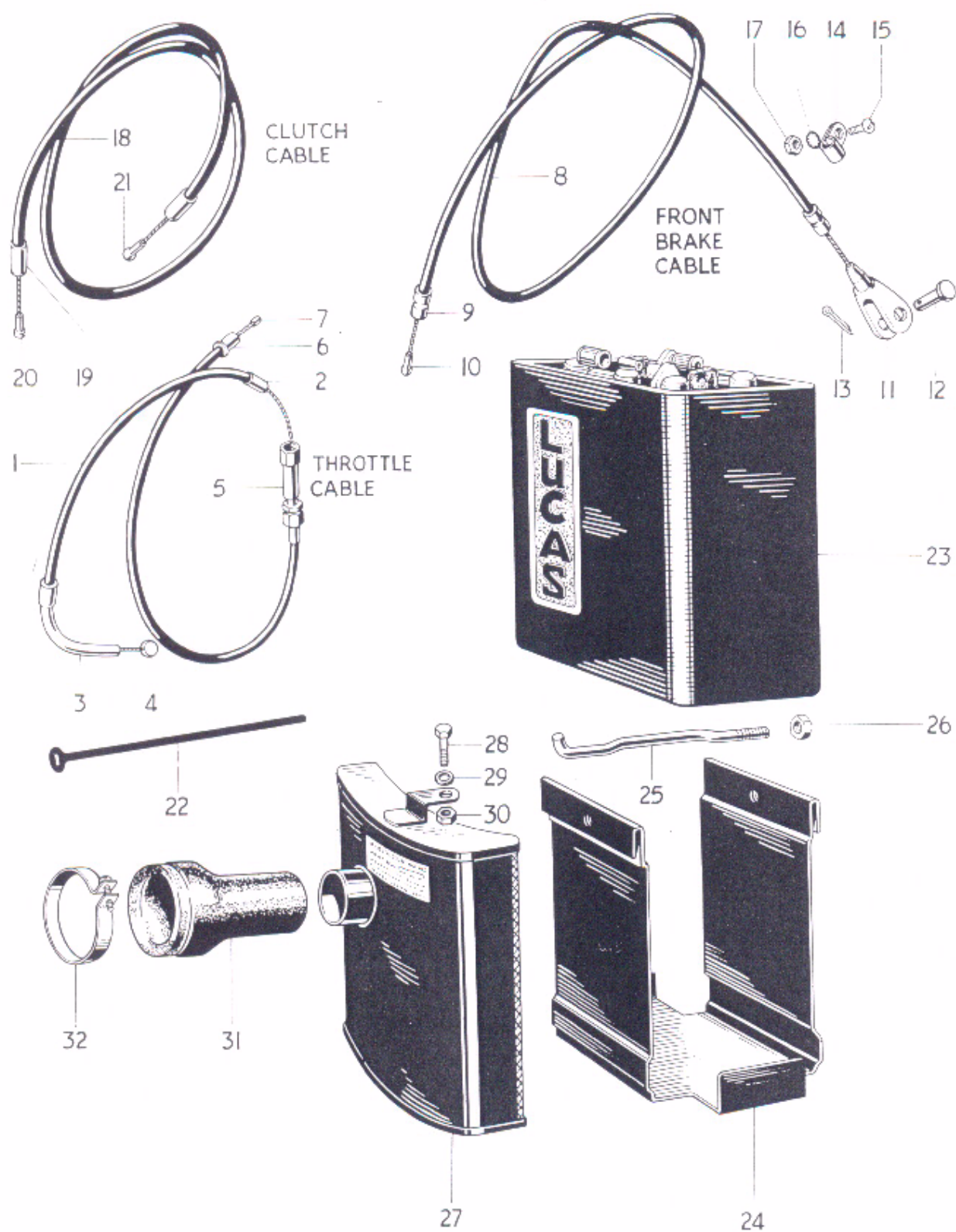


Fig. 21. CONTROL CABLES, BATTERY CARRIER AND AIR FILTER.

CONTROL CABLES

| | | | 3TA | 5TA | T100A |
|----|--|---|-----|-------------|-------|
| 1 | D383 | THROTTLE CABLE | 1 | 1 | 1 |
| 1 | D410 | AMERICAN THROTTLE CABLE | A | A | A |
| 2 | D101 | Ferrule | 3 | 3 | 3 |
| 3 | H670 | Guide tube | 1 | 1 | 1 |
| 4 | D83 | Nipple... .. | 1 | 1 | 1 |
| 5 | D104 | Adjuster | 1 | 1 | 1 |
| 6 | 6/132A | Ferrule | 1 | 1 | 1 |
| 7 | NS191 | Nipple... .. | 1 | 1 | 1 |
| 8 | D418 | FRONT BRAKE CABLE | 1 | 1 | 1 |
| 8 | D419 | AMERICAN BRAKE CABLE | A | A | A |
| 9 | D103 | Ferrule | 2 | 2 | 2 |
| 10 | D368 | Nipple | 1 | 1 | 1 |
| 11 | W593 | Fork end | 1 | 1 | 1 |
| 12 | WF32 | Pivot pin | 1 | 1 | 1 |
| 13 | $\frac{1}{16}$ in. x $\frac{3}{8}$ in. | Split pin | 1 | 1 | 1 |
| 14 | H1171 | Clip | 1 | 1 | 1 |
| 15 | H916 | Screw ($\frac{9}{32}$ in. U.H.) | 1 | 1 | 1 |
| 16 | GS299 | Serrated washer | 1 | 1 | 1 |
| 17 | H745 | Nut | 1 | 1 | 1 |
| 18 | D366 | CLUTCH CABLE | 1 | 1 | 1 |
| 18 | D408 | AMERICAN CLUTCH CABLE | 1 | 1 | 1 |
| 19 | D103 | Ferrule | 2 | 2 | 2 |
| 20 | D368 | Nipple... .. | 1 | 1 | 1 |
| 21 | DS73 | Nipple... .. | 1 | 1 | 1 |
| 22 | XA69 | Cable clip | | as required | |

BATTERY CARRIER AND AIR FILTER

| | | | | | |
|----|----------|--|---|---|---|
| 23 | PUZ7E-11 | Battery | 1 | 1 | 1 |
| 24 | F4219 | Battery carrier | 1 | 1 | 1 |
| 25 | F4485 | Clamp rod | 1 | 1 | 1 |
| 26 | F879 | Nut | 1 | 1 | 1 |
| 27 | F4218 | Air filter | 1 | 1 | 1 |
| 28 | DS57 | Bolt ($\frac{7}{16}$ in. U.H.) | 1 | 1 | 1 |
| 29 | S25-43 | Plain washer | 1 | 1 | 1 |
| 30 | F879 | Nut | 1 | 1 | 1 |
| 31 | E3985 | Rubber connector | 1 | 1 | 1 |
| 32 | F3859 | Clip | 1 | 1 | 1 |

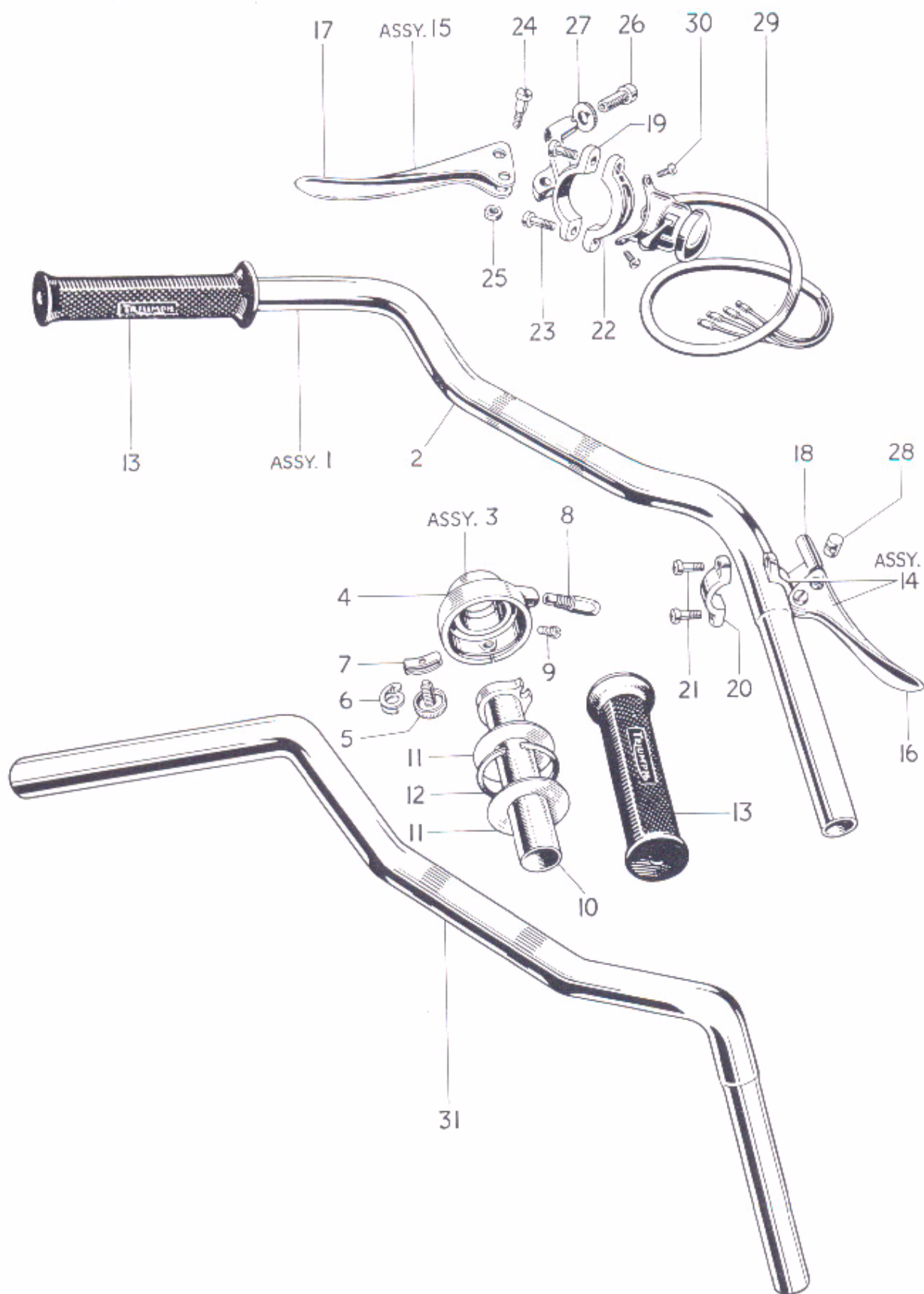


Fig. 22. HANDLEBAR AND CONTROL LEVERS.

HANDLEBAR AND CONTROL LEVERS

| | | | | | | | | 3TA | 5TA | T100A |
|----|--------|-------------------------------------|-----|-----|-----|-----|-----|-----|-----|-------|
| 1 | H1176 | HANDLEBAR c/w CONTROLS | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 2 | H1131 | Handlebar | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 3 | H697 | TWISTGRIP ASSEMBLY | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 4 | H698 | Twistgrip head assembly (Nos. 5-9) | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 5 | H665 | Friction screw | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 6 | H685 | Spring | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 7 | H686 | Friction spring | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 8 | H234 | Cable thimble | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 9 | H237 | Grub screw | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 10 | H700 | Sleeve | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 11 | H233 | Retaining plate | ... | ... | ... | ... | ... | 2 | 2 | 2 |
| 12 | H232 | Circlip | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 13 | H230 | Rubber grip (and at left handlebar) | ... | ... | ... | ... | ... | 2 | 2 | 2 |
| 14 | 18/886 | FRONT BRAKE LEVER | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 15 | 18/894 | CLUTCH LEVER | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 16 | 18/535 | Brake lever | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 17 | 18/528 | Clutch lever | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 18 | 18/890 | Brake lever bracket | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 19 | 18/892 | Clutch lever bracket | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 20 | 12/044 | Clamp | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 21 | 11/014 | Screw | ... | ... | ... | ... | ... | 2 | 2 | 2 |
| 22 | H668 | Clamp | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 23 | 61/004 | Screw | ... | ... | ... | ... | ... | 2 | 2 | 2 |
| 24 | 18/087 | Fulcrum screw | ... | ... | ... | ... | ... | 2 | 2 | 2 |
| 25 | 18/053 | Self-locking nut | ... | ... | ... | ... | ... | 2 | 2 | 2 |
| 26 | 18/838 | Cable adjuster | ... | ... | ... | ... | ... | 2 | 2 | 2 |
| 27 | 18/839 | Thumb nut | ... | ... | ... | ... | ... | 2 | 2 | 2 |
| 28 | 18/880 | Barrel nipple | ... | ... | ... | ... | ... | 2 | 2 | 2 |
| 29 | 31563 | Horn push and dip switch | ... | ... | ... | ... | ... | 1 | 1 | 1 |
| 30 | H689 | Screw ($\frac{1}{8}$ in. U.H.) | ... | ... | ... | ... | ... | 2 | 2 | 2 |
| 31 | H1247 | American Handlebar | ... | ... | ... | ... | ... | A | A | A |

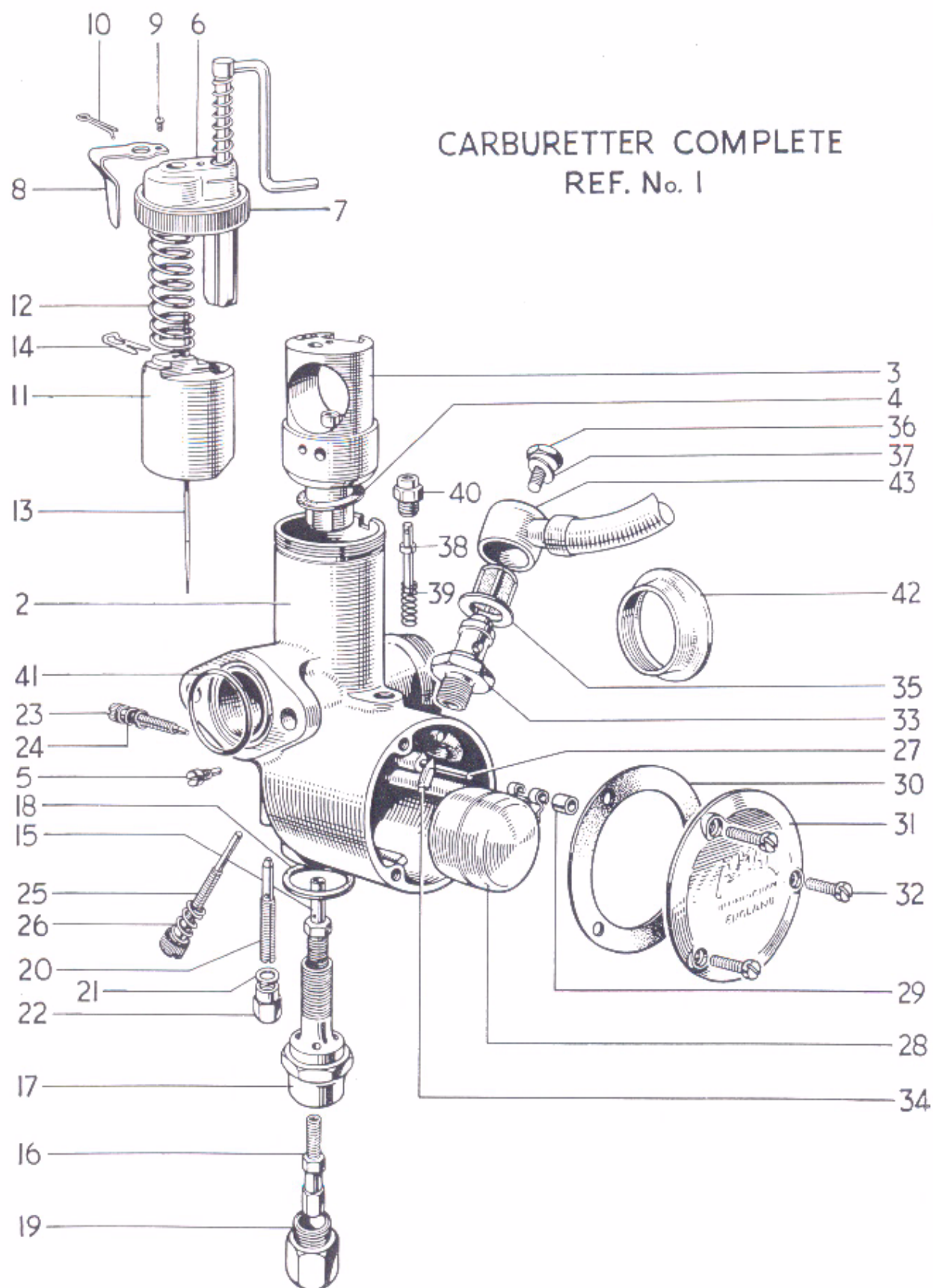


Fig. 23. CARBURETTER.

| Ref. No. | Part No. | DESCRIPTION | QUANTITY | | |
|-------------|----------|---|----------|-----|-------|
| CARBURETTER | | | 3TA | 5TA | T100A |
| 1 | 375/32 | CARBURETTER, $\frac{25}{32}$ in. choke | 1 | — | — |
| 1 | 375/35 | CARBURETTER, $\frac{7}{8}$ in. choke | — | 1 | 1 |
| 2 | 375/003 | Mixing chamber, $\frac{25}{32}$ in. choke | 1 | — | — |
| 2 | 375/005 | Mixing chamber, $\frac{7}{8}$ in. choke | — | 1 | 1 |
| 3 | 375/057 | Jet block, $\frac{25}{32}$ in. choke | 1 | — | — |
| 3 | 375/059 | Jet block, $\frac{7}{8}$ in. choke | — | 1 | 1 |
| 4 | 375/067 | Joint washer | 1 | 1 | 1 |
| 5 | 376/070 | Peg screw | 1 | 1 | 1 |
| 6 | 375/102 | AIR VALVE ASSEMBLY | 1 | 1 | 1 |
| 7 | 375/065 | Mixing chamber cap | 1 | 1 | 1 |
| 8 | 375/071 | Spring | 1 | 1 | 1 |
| 9 | 4/241 | Screw | 1 | 1 | 1 |
| 10 | 30/064 | Spring | 1 | 1 | 1 |
| 11 | 375/060 | Throttle valve ($3\frac{1}{2}$ cutaway) | 1 | — | — |
| 11 | 375/060 | Throttle valve (3 cutaway) | — | 1 | 1 |
| 12 | 375/079 | Throttle return spring | 1 | 1 | 1 |
| 13 | 375/063 | Needle (Type B) | 1 | 1 | 1 |
| 14 | 4/230 | Needle clip | 1 | 1 | 1 |
| 15 | 376/072 | Needle jet (.105) | 1 | 1 | 1 |
| 16 | 376/100 | Main jet (100) | 1 | — | — |
| 16 | 376/100 | Main jet (160) | — | 1 | 1 |
| 17 | 376/073 | Jet holder | 1 | 1 | 1 |
| 18 | 376/074 | Fibre washer | 1 | 1 | 1 |
| 19 | 376/075 | Cover nut | 1 | 1 | 1 |
| 20 | 376/076 | Pilot jet (25) | 1 | 1 | 1 |
| 21 | 116/162 | Fibre washer | 1 | 1 | 1 |
| 22 | 376/095 | Cover nut | 1 | 1 | 1 |
| 23 | 332/017 | Air adjusting screw | 1 | 1 | 1 |
| 24 | 4/148 | Spring | 1 | 1 | 1 |
| 25 | 376/068 | Throttle stop screw | 1 | 1 | 1 |
| 26 | 376/069 | Spring | 1 | 1 | 1 |
| 27 | 376/085 | Float spindle | 1 | 1 | 1 |
| 28 | 376/083 | Float | 1 | 1 | 1 |
| 29 | 376/094 | Bush | 1 | 1 | 1 |
| 30 | 376/078 | Joint washer | 1 | 1 | 1 |
| 31 | 376/077 | Cover | 1 | 1 | 1 |
| 32 | 376/079 | Screw | 3 | 3 | 3 |
| 33 | 376/088 | Needle seating | 1 | 1 | 1 |
| 34 | 376/089 | Needle | 1 | 1 | 1 |
| 35 | 376/093 | Filter | 1 | 1 | 1 |
| 36 | 376/091 | Bolt | 1 | 1 | 1 |
| 37 | 376/092 | Fibre washer | 1 | 1 | 1 |
| 38 | 376/086 | Tickler | 1 | 1 | 1 |
| 39 | 376/087 | Spring | 1 | 1 | 1 |
| 40 | 343/011 | Tickler body | 1 | 1 | 1 |
| 41 | 244/765 | "O" ring seal | 1 | 1 | 1 |
| 42 | 229/048 | Air intake tube | A | A | A |
| 43 | F4308 | Petrol pipe | 1 | 1 | 1 |

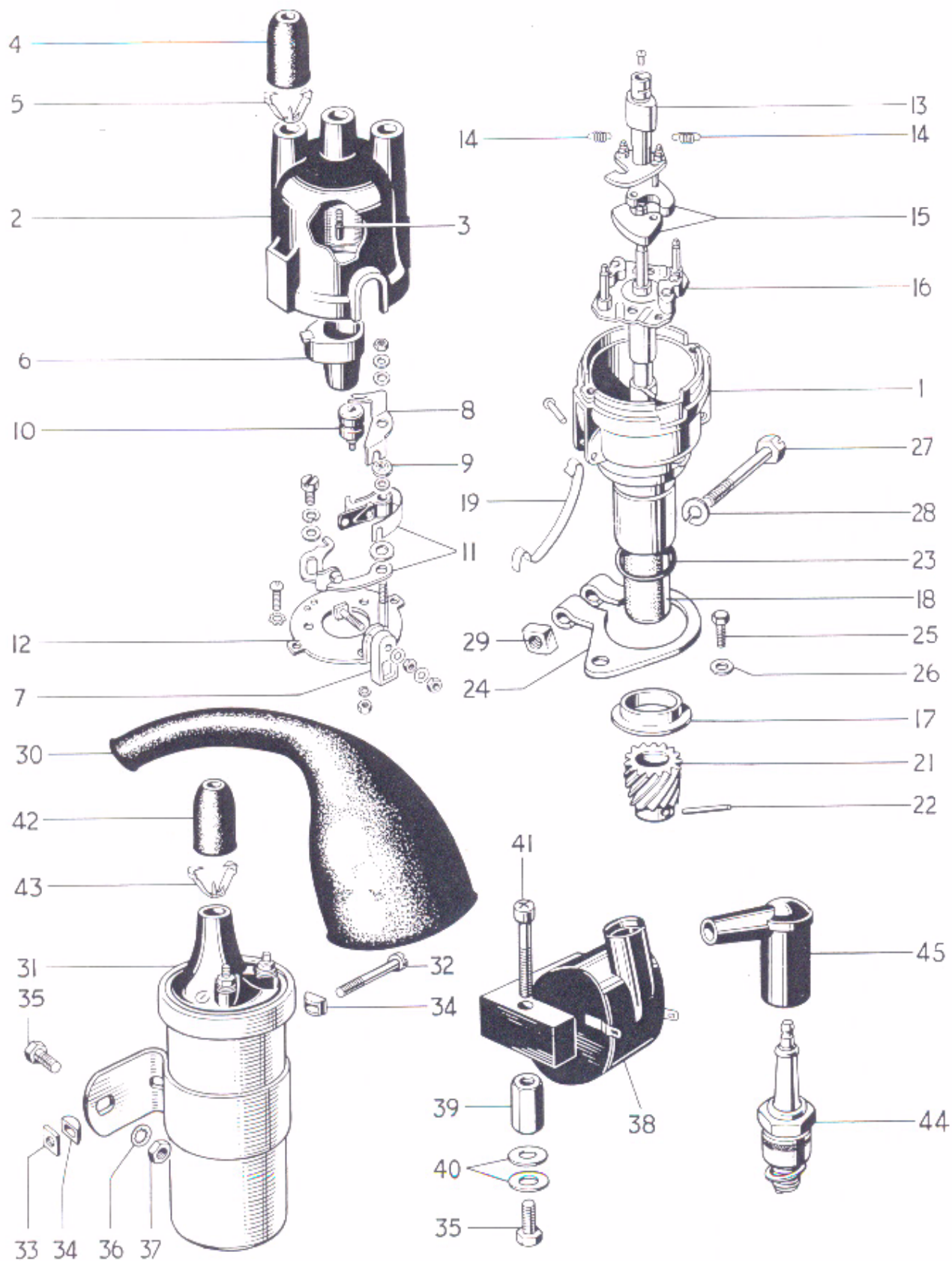


Fig. 24. DISTRIBUTOR, COIL AND SPARK PLUGS.

| Ref. No. | Part No. | DESCRIPTION | 3TA | 5TA | T100A |
|--|------------|---|-----|-----|-------|
| DISTRIBUTOR, COIL AND SPARK PLUGS | | | | | |
| 1 | 40573 | DISTRIBUTOR | 1 | — | — |
| 1 | 40646 | DISTRIBUTOR | — | 1 | — |
| 1 | 40710 | DISTRIBUTOR | — | — | 1 |
| 2 | 425049 | CAP ASSEMBLY | 1 | 1 | 1 |
| 3 | 404435 | Brush and spring | 1 | 1 | 1 |
| 4 | 421554 | Rubber grommet | 3 | 3 | 3 |
| 5 | 421863 | Cable clip | 3 | 3 | 3 |
| 6 | 423486 | Rotor | 1 | 1 | 1 |
| 7 | 423110 | Shaped insulating bush | 1 | 1 | 1 |
| 8 | 423108 | Condenser connector | 1 | 1 | 1 |
| 9 | 423109 | Insulating bush | 1 | 1 | 1 |
| 10 | 54410823 | Condenser | 1 | 1 | 1 |
| 11 | 425219 | Contact set | 1 | 1 | 1 |
| 12 | 423113 | Base plate | 1 | 1 | 1 |
| 13 | 424972 | Cam | 1 | 1 | — |
| 13 | 54412359 | Cam | — | — | 1 |
| 14 | 422655/S | Spring set | 1 | — | 1 |
| 14 | 54410895/S | Spring set | — | 1 | — |
| 15 | 421056/S | Weight set | 1 | 1 | 1 |
| 16 | 424967 | Shaft and action plate | 1 | 1 | 1 |
| 17 | 424974 | Thrust cup | 1 | 1 | 1 |
| 18 | 423571 | Bush | 1 | 1 | 1 |
| 19 | 424158 | Retaining clip | 2 | 2 | 2 |
| 20 | 425243 | Sundry parts set | 1 | 1 | 1 |
| 21 | E3729 | Distributor drive pinion | 1 | 1 | 1 |
| 22 | 404314 | Securing pin | 1 | 1 | 1 |
| 23 | 188639 | Rubber "O" ring | 1 | 1 | 1 |
| 24 | E3825 | Clamp plate | 1 | 1 | 1 |
| 25 | DS57 | Bolt ($\frac{7}{16}$ in. U.H.) | 1 | 1 | 1 |
| 26 | S25-3 | Plain washer | 1 | 1 | 1 |
| 27 | 112917 | Clamp bolt | 1 | 1 | 1 |
| 28 | 185051 | Spring washer | 1 | 1 | 1 |
| 29 | 173857 | Nut | 1 | 1 | 1 |
| 30 | E3863 | Distributor sheath | 1 | 1 | 1 |
| 31 | 45077 | Ignition coil M.A.6. | 1 | 1 | — |
| 32 | 100104 | Clip screw | 1 | 1 | — |
| 33 | 169160 | Square nut | 1 | 1 | — |
| 34 | 422369 | "D" washer | 2 | 2 | — |
| 35 | DS57 | Bolt ($\frac{7}{16}$ in. U.H.) | 2 | 2 | 2 |
| 36 | E1612 | Serrated washer | 2 | 2 | 2 |
| 37 | F879 | Nut | 2 | 2 | — |
| 38 | 45112 | Ignition coil, 2ET. | — | — | 1 |
| 39 | F4709 | Mounting pillar | — | — | 2 |
| 40 | F4708 | Plain washer | — | — | 4 |
| 41 | E3668 | Screw ($\frac{1}{8}$ in. U.H.) | — | — | 2 |
| 42 | 421554 | Rubber grommet | 1 | 1 | 1 |
| 43 | 421863 | Cable clip | 1 | 1 | 1 |
| 44 | | Sparking plug (Champion N3, K.L.G. FE75 or Lodge HLN)... .. | 2 | 2 | 2 |
| 45 | D297 | Plug cover and suppressor | 2 | 2 | 2 |
| 45 | D262 | Plug cover | A | A | A |

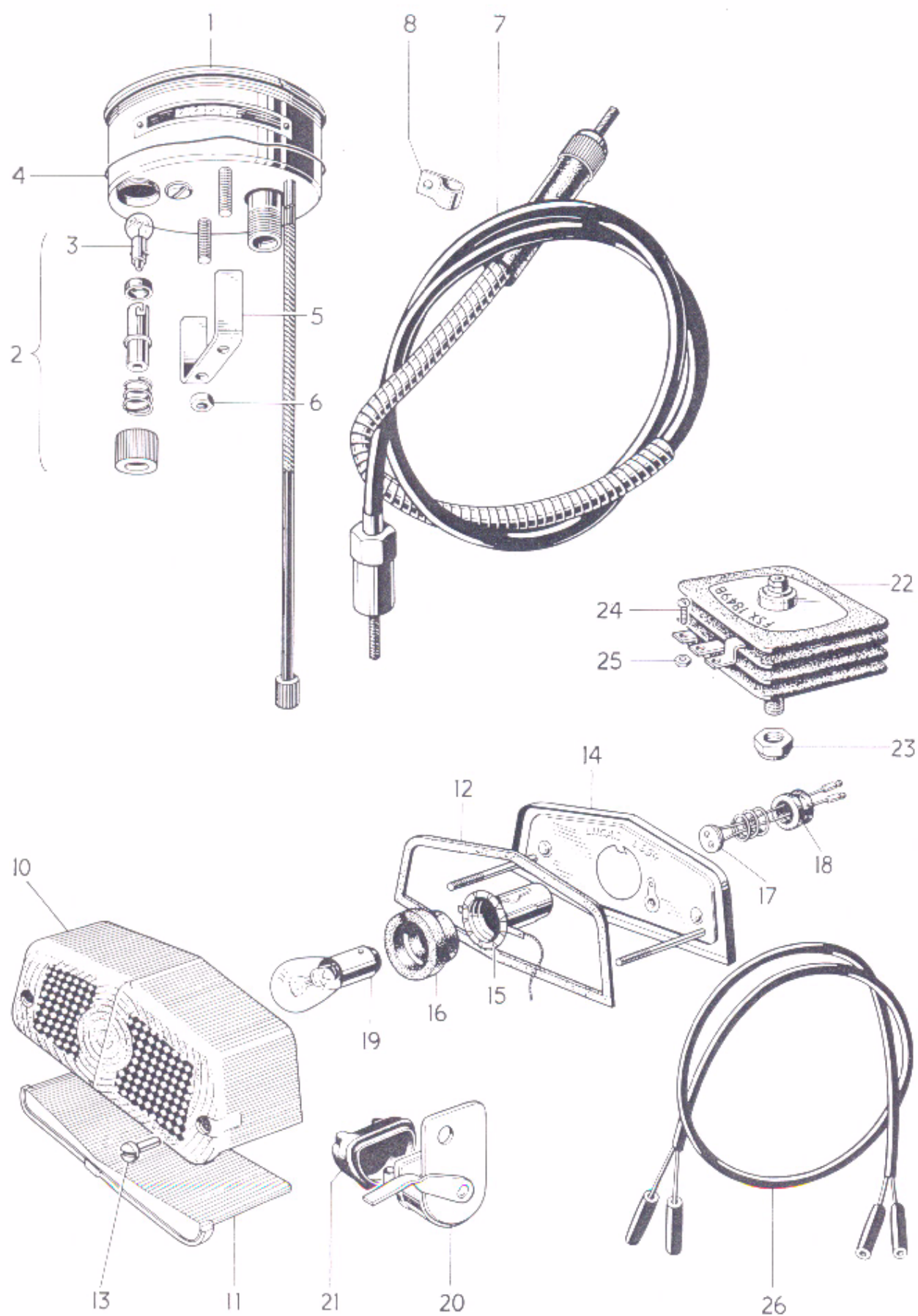


Fig. 25. SPEEDOMETER, STOP AND TAIL LAMP AND RECTIFIER

| Ref. No. | Part No. | DESCRIPTION | QUANTITY |
|----------|----------|-------------|----------|
|----------|----------|-------------|----------|

SPEEDOMETER, STOP AND TAIL LAMP AND RECTIFIER

| | | | 3TA | STA | T100A |
|----|-----------|--|-----|-----|-------|
| 1 | S467/227 | Speedometer head M.P.H. | 1 | 1 | 1 |
| 1 | S467/231N | Speedometer head K.P.H. | A | A | A |
| 2 | P53279/1 | BULB HOLDER c/w BULB | 1 | 1 | 1 |
| 3 | P52305 | Bulb | 1 | 1 | 1 |
| 4 | P22469 | Rubber ring | 1 | 1 | 1 |
| 5 | 25578/2 | Clamp bar | 1 | 1 | 1 |
| 6 | N1253 | Nut | 1 | 1 | 1 |
| 7 | D356 | Speedometer drive cable (58 in. long) | 1 | 1 | 1 |
| 8 | F3098 | Clip (at steering damper) | 1 | 1 | 1 |
| 9 | 53432 | STOP AND TAIL LAMP. Type 564 | 1 | 1 | 1 |
| 10 | 573839 | Lens | 1 | 1 | 1 |
| 11 | 575200 | Window | 1 | 1 | 1 |
| 12 | 575208 | Lens seating gasket | 1 | 1 | 1 |
| 13 | 575219 | Sleeve nut | 2 | 2 | 2 |
| 14 | 576002 | Base assembly | 1 | 1 | 1 |
| 15 | 575209 | Bulbholder | 1 | 1 | 1 |
| 16 | 575209 | Grommet | 1 | 1 | 1 |
| 17 | 573828 | Contact assembly | 1 | 1 | 1 |
| 18 | 573825 | Grommet | 1 | 1 | 1 |
| 19 | 384 | Bulb (6/18W. Offset pin) | 1 | 1 | 1 |
| 20 | 31688 | STOP LAMP SWITCH. 6SA | 1 | 1 | 1 |
| 21 | 360363 | Rubber grommet | 1 | 1 | 1 |
| 22 | 47132 | Rectifier | 1 | 1 | 1 |
| 23 | F3600 | Self-locking nut | 1 | 1 | 1 |
| 24 | F4813 | Screw ($\frac{7}{16}$ in. U.H.) | 3 | 3 | 3 |
| 25 | H919 | Nut | 3 | 3 | 3 |

