

20-10200 C

**TRIUMPH**

**REPLACEMENT  
PARTS CATALOGUE**

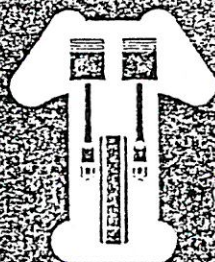
**No. 10**



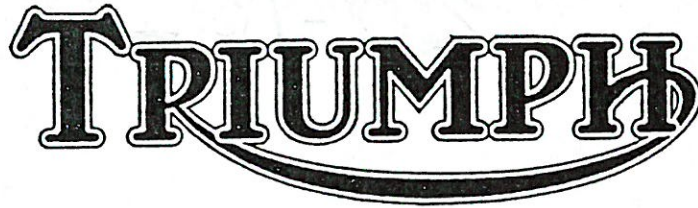
**TIGER 90 (T90)**

**TIGER 100 (T100S, T100R, T100C & T100T)**

**FROM ENGINE No. H6573**







# **REPLACEMENT PARTS**

**CATALOGUE No. 10**

**"C" RANGE MODELS**

**TIGER 90 (T90)**

**TIGER 100 (T100S, T100R, T100C & T100T)**

**from Engine No. H65573**

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

# British Only

MOTORCYCLES AND PARTS INC.

32451 PARK LANE  
GARDEN CITY, MI 48135 USA

PHONE ORDER HOURS:  
MONDAY THRU FRIDAY 10-6 EST

Fax or email 24 hours a day!

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WHOLESALE: 734-525-1980  
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## 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) Adaptation 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.
7. We reserve the right to modify or deviate from the Published Specification without notice.

## 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.



# TRIUMPH SPARES

**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.**

**WHERE TO OBTAIN.** Triumph Spare Parts can only be obtained from an authorised Triumph Dealer, and we recommend our customers to place their orders with the Triumph Dealer in their district. When parts not usually asked for are required, and for which the Dealer may have to write or obtain specially, the postage or carriage incurred becomes payable.

Triumph Spares are not supplied to private owners direct from the factory. If difficulty is experienced in obtaining the required parts, the matter should be taken up directly with the Triumph Spares Department.

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 from recognised Dealers.

**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. In your own interest send a copy of the advice note under separate cover. All parts must be forwarded carriage paid and care should be taken to ensure that all remittances are sent separately and not enclosed with the parts. Fragile units such as cylinders, etc., should always be boxed to avoid damage in transit. Complete machines should have all fittings such as 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. Work cannot be accepted at the factory direct from private owners.

Communications relating to Parts should be addressed to the SPARES DEPARTMENT and for repairs, guarantee claims and technical advice to the SERVICE DEPARTMENT, 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 essential. Accessories not of our manufacture should be sent direct to the actual makers, whose names and addresses appear below.

## 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.

**SPEEDOMETERS**  
Messrs. Smiths Industries Ltd.,  
Cricklewood Works, London, N.W.2.

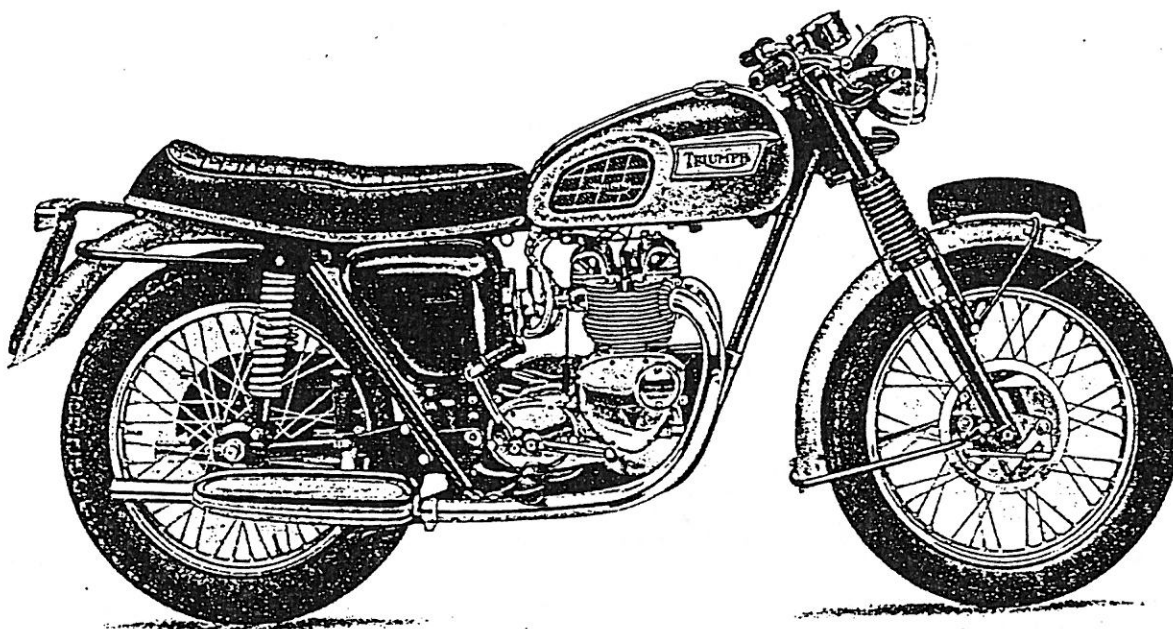
**SUSPENSION UNITS**  
Messrs. Girling Ltd.,  
Birmingham Road, West Bromwich, Staffs.



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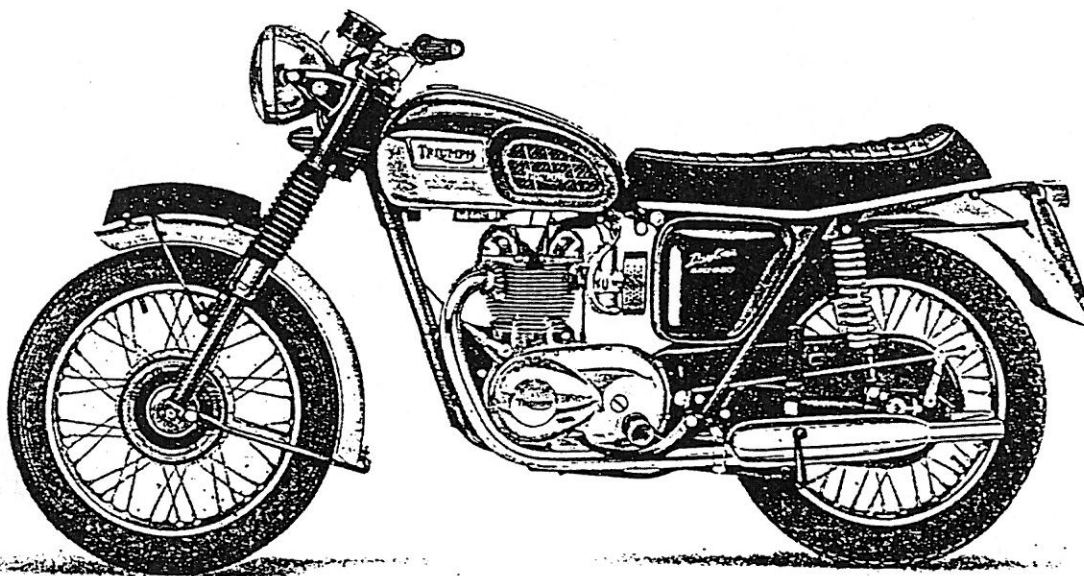




### TIGER 100 (T100S) TECHNICAL DATA

|                   |                          |                                                   |
|-------------------|--------------------------|---------------------------------------------------|
| Bore and Stroke   |                          | 69 x 65.5 mm.<br>2.716 x 2.578 ins.               |
| Capacity          |                          | 490 c.c. (29.8 cu. ins.)                          |
| Compression Ratio |                          | 9 : 1                                             |
| Sparking Plugs    |                          | Champion N4                                       |
| Carburetter       |                          | Amal Concentric                                   |
|                   | Main Jet                 | 180                                               |
|                   | Needle Jet               | .106                                              |
|                   | Needle                   | Standard                                          |
|                   | Throttle Valve           | No. 4                                             |
| Gearbox Sprocket  |                          | 18 teeth                                          |
| Chains            | Front                    | $\frac{3}{8}$ in. Duplex x 78 links               |
|                   | Rear                     | $\frac{5}{8}$ in. x $\frac{3}{8}$ in. x 102 links |
| Capacities        | Fuel Tank                | 3 galls. (13.5 litres)                            |
|                   | Oil Tank                 | 6 pints (3.5 litres)                              |
|                   | Gearbox                  | $\frac{2}{3}$ pint (375 c.c.)                     |
|                   | Primary Chaincase        | $\frac{1}{2}$ pint (300 c.c.)                     |
|                   | Front Forks (each leg)   | $\frac{1}{3}$ pint (200 c.c.)                     |
| Brakes.           | Front and Rear, diameter | 7 in. (17.18 cm.)                                 |
| Tyre Size         | Front                    | 3.25 x 18                                         |
|                   | Rear                     | 3.50 x 18                                         |

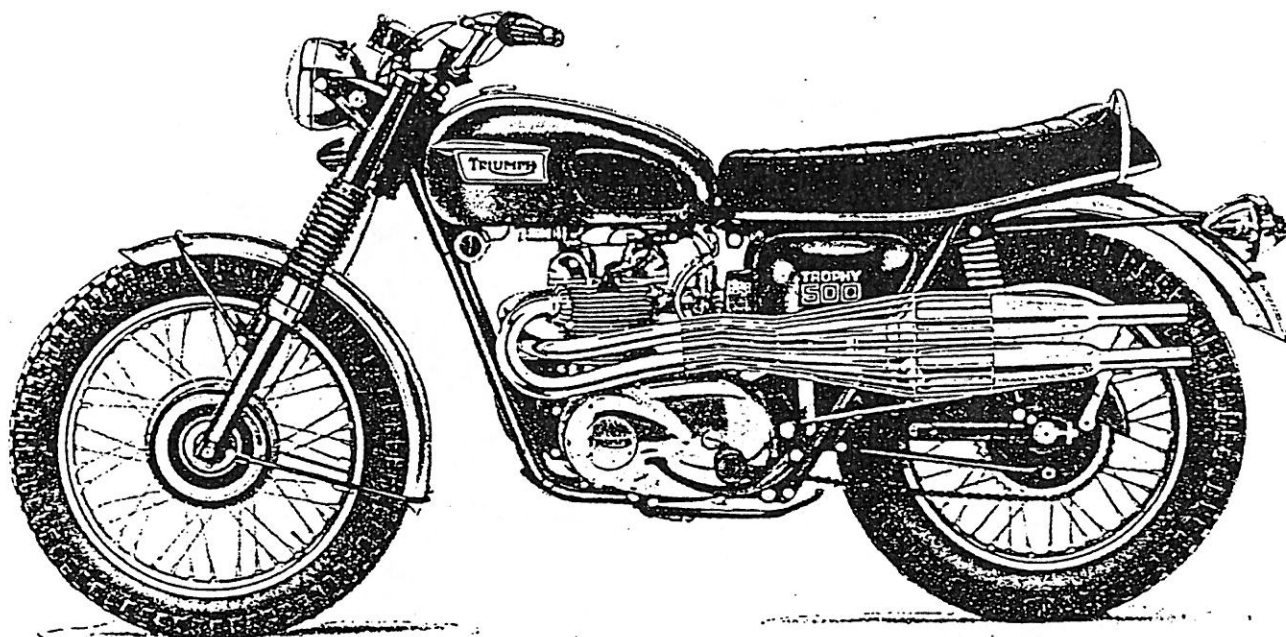




### TIGER 100 (T100T) TECHNICAL DATA

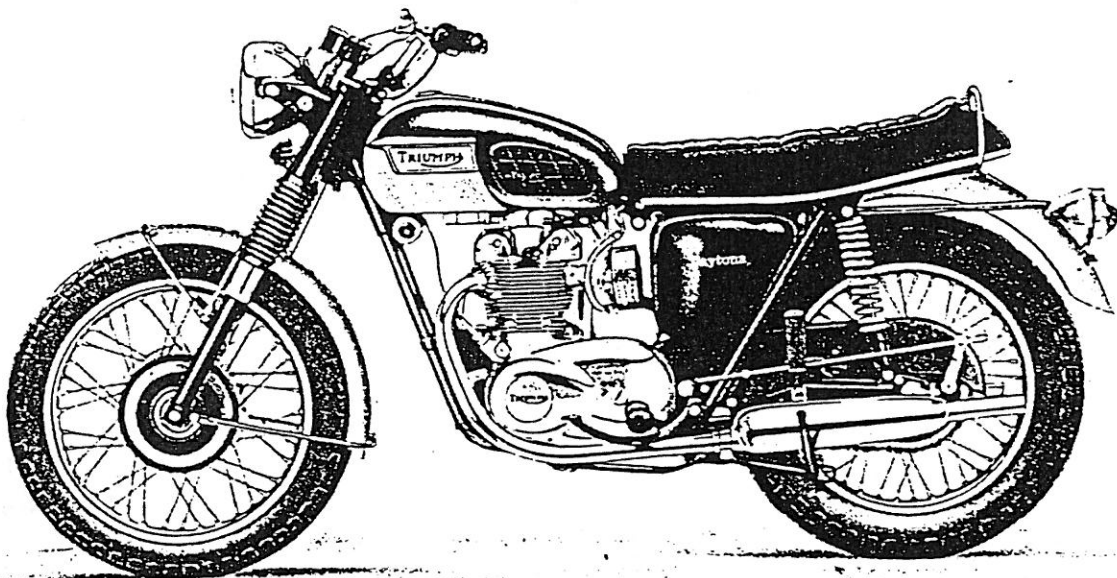
|                   |                        |                                                   |
|-------------------|------------------------|---------------------------------------------------|
| Bore and Stroke   |                        | 2.716 x 2.578 ins.                                |
| Capacity          |                        | 29.8 cu. ins.                                     |
| Compression Ratio |                        | 9 : 1                                             |
| Sparking Plugs    |                        | Champion N4                                       |
| Carburetter       |                        | Amal Concentric                                   |
|                   | Main Jet               | 160                                               |
|                   | Needle Jet             | .106                                              |
|                   | Needle                 | Standard                                          |
|                   | Throttle Valve         | No. 3                                             |
| Gearbox Sprocket  |                        | 18 teeth                                          |
| Chains            | Front                  | $\frac{3}{8}$ in. Duplex x 78 links               |
|                   | Rear                   | $\frac{5}{8}$ in. x $\frac{3}{8}$ in. x 102 links |
| Capacities        | Gas Tank               | 3 galls. (13.5 litres)                            |
|                   | Oil Tank               | 6 pints (3.5 litres)                              |
|                   | Gearbox                | $\frac{2}{3}$ pint (375 c.c.)                     |
|                   | Primary Chaincase      | $\frac{1}{2}$ pint (300 c.c.)                     |
|                   | Front Forks (each leg) | $\frac{1}{3}$ pint (200 c.c.)                     |
| Brakes            | Front, diameter        | 8 in. (20.32 cm.)                                 |
|                   | Rear, diameter         | 7 in. (17.18 cm.)                                 |
| Tyre Size         | Front                  | 3.25 x 18                                         |
|                   | Rear                   | 3.50 x 18                                         |





### U.S.A. TIGER 100 (T100C) TECHNICAL DATA

|                   |                          |                                                   |
|-------------------|--------------------------|---------------------------------------------------|
| Bore and Stroke   |                          | 2.716 x 2.578 ins.                                |
| Capacity          |                          | 29.8 cu. ins.                                     |
| Compression Ratio |                          | 9 : 1                                             |
| Sparking Plugs    |                          | Champion N4                                       |
| Carburetter       |                          | Amal Concentric                                   |
|                   | Main Jet                 | 180                                               |
|                   | Needle Jet               | .106                                              |
|                   | Needle                   | Standard                                          |
|                   | Throttle Valve           | No. 4                                             |
| Gearbox Sprocket  |                          | 18 teeth                                          |
| Chains            | Front                    | $\frac{3}{8}$ in. Duplex x 78 links               |
|                   | Rear                     | $\frac{5}{8}$ in. x $\frac{3}{8}$ in. x 102 links |
| Capacities        | Gas Tank                 | 2 $\frac{3}{8}$ U.S. galls.                       |
|                   | Oil Tank                 | 6 U.S. pints                                      |
|                   | Gearbox                  | 2/3 pint (375 c.c.)                               |
|                   | Primary Chaincase        | $\frac{1}{2}$ pint (300 c.c.)                     |
|                   | Front Forks (each leg)   | $\frac{1}{3}$ pint (200 c.c.)                     |
| Brakes            | Front and Rear, diameter | 7 in. (17.18 cm.)                                 |
| Tyre Size         | Front                    | 3.50 x 19                                         |
|                   | Rear                     | 4.00 x 18                                         |



### U.S.A. TIGER 100 (T100R) TECHNICAL DATA

|                   |                        |                                                   |
|-------------------|------------------------|---------------------------------------------------|
| Bore and Stroke   |                        | 2.716 x 2.578 ins.                                |
| Capacity          |                        | 29.8 cu. ins.                                     |
| Compression Ratio |                        | 9 : 1                                             |
| Sparking Plugs    |                        | Champion N4                                       |
| Carburettors      |                        | Amal Concentric                                   |
|                   | Main Jet               | 160                                               |
|                   | Needle Jet             | .106                                              |
|                   | Needle                 | Standard                                          |
|                   | Throttle Valve         | No. 3                                             |
| Gearbox Sprocket  |                        | 19 teeth                                          |
| Chains            | Front                  | $\frac{3}{8}$ in. Duplex x 78 links               |
|                   | Rear                   | $\frac{5}{8}$ in. x $\frac{3}{8}$ in. x 103 links |
| Capacities        | Gas Tank               | 2 $\frac{3}{8}$ U.S. Galls.                       |
|                   | Oil Tank               | 6 U.S. pints                                      |
|                   | Gearbox                | $\frac{2}{3}$ pint (375 c.c.)                     |
|                   | Primary Chaincase      | $\frac{1}{2}$ pint (300 c.c.)                     |
|                   | Front Forks (each leg) | $\frac{1}{3}$ pint (200 c.c.)                     |
| Brakes            | Front, diameter        | 8 in. (20.32 cm.)                                 |
|                   | Rear, diameter         | 7 in. (17.18 cm.)                                 |
| Tyre Size         | Front                  | 3.25 x 19                                         |
|                   | Rear                   | 4.00 x 18                                         |



## CARTON PACK LIST

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

| Part No.                                                                                                          | Contents     |              |                       |
|-------------------------------------------------------------------------------------------------------------------|--------------|--------------|-----------------------|
| <b>PISTONS (c/w rings, gudgeon pins and circlips)</b>                                                             |              |              |                       |
| E.6908                                                                                                            | 7.5 : 1 C.R. | 350 c.c.     | Low grade fuel        |
| E.6899                                                                                                            | 9.5 : 1 C.R. | 350 c.c.     | Standard T.90         |
| E.6906                                                                                                            | 7.0 : 1 C.R. | 500 c.c.     | Low grade fuel        |
| E.6884                                                                                                            | 9 : 1 C.R.   | 500 c.c.     | T.100R, T.100T, T100C |
| E.7603                                                                                                            | 7.5 : 1 C.R. | 500 c.c.     | T.100P                |
| All piston assemblies are available in 0.010 in., 0.020 in., 0.040 in., oversizes (0.25 m.m., 0.5 m.m., 1.0 m.m.) |              |              |                       |
| <b>BRAKE LININGS</b>                                                                                              |              |              |                       |
| C.P. 38/AM2                                                                                                       | 2            | NW243        | Brake lining          |
|                                                                                                                   | 16           | W129         | Rivet                 |
| C.P. 205                                                                                                          | 2            | W1734        | Brake lining          |
|                                                                                                                   | 16           | W129         | Rivet                 |
| <b>VALVE SPRINGS (all models)</b>                                                                                 |              |              |                       |
| C.P.177                                                                                                           | 4            | E5946        | Inner valve spring    |
|                                                                                                                   | 4            | E4011        | Outer valve spring    |
| De-coke Gasket Set                                                                                                | All models   | D/GS 6       |                       |
| Overhaul Gasket Set                                                                                               | All T100     | GST100/65/66 |                       |
| <b>STEERING HEAD RACES</b>                                                                                        |              |              |                       |
| C.P. 156                                                                                                          | 2            | H111         | Cup                   |
|                                                                                                                   | 1            | H439         | Cone                  |
|                                                                                                                   | 1            | H1018        | Top cone              |
|                                                                                                                   | 40           | S70-3        | Ball                  |

## HOW TO USE THIS PARTS CATALOGUE

First check that the engine number of your machine is subsequent to that quoted on the title page.

Next consult the index on Page 5 for the parts or group of parts which you wish to locate. When you have located the parts make sure from the end columns that the part you have located does apply to your machine.

List the quantities required as single units: do not ask for "2 pairs" or "3 dozen".

In case of painted items always state the colour required. Painted parts are available only in the colours or alternatives specified for that model of that particular year.

All items refer to the standard T90/T100S unless otherwise stated.

Proprietary components, e.g. electrical equipment, carburettors, suspension units etc., are listed in the first column under Triumph part numbers (prefixed either D- or 99-) wherever they are stocked at the Factory. If proprietary parts are listed only under manufacturers part numbers, they are not available from the factory.

| <i>Model</i> | <i>Colour</i>        |
|--------------|----------------------|
| T100         | LINCOLN GREEN/SILVER |

Paint is available also in all colours in  $\frac{1}{4}$  pint or 1 gallon tins, or Aerosol containers.

### 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.

### UNIFIED THREAD FORM

NEW PARTS HAVING THREADED FIXINGS INTRODUCED IN THIS CATALOGUE HAVE THE UNIFIED FORM OF SCREW THREADS. THIS CHANGEOVER WILL BE CONTINUED AS AND WHEN NEW PARTS ARE INTRODUCED. EVEN WHERE PARTS ARE SIMILAR IN APPEARANCE NEW PART NUMBERS WILL BE ALLOCATED TO IDENTIFY THE UNIFIED THREADS. ALL NUTS, BOLTS AND STUDS HAVING THIS THREAD ARE IDENTIFIED BY MARKINGS. BOLTS HAVE A CIRCULAR RECESS IN THEIR HEADS, STUDS A CIRCULAR GROOVE ON THE END, AND NUTS HAVE INTERLOCKING CIRCLES ON THE SIDE.



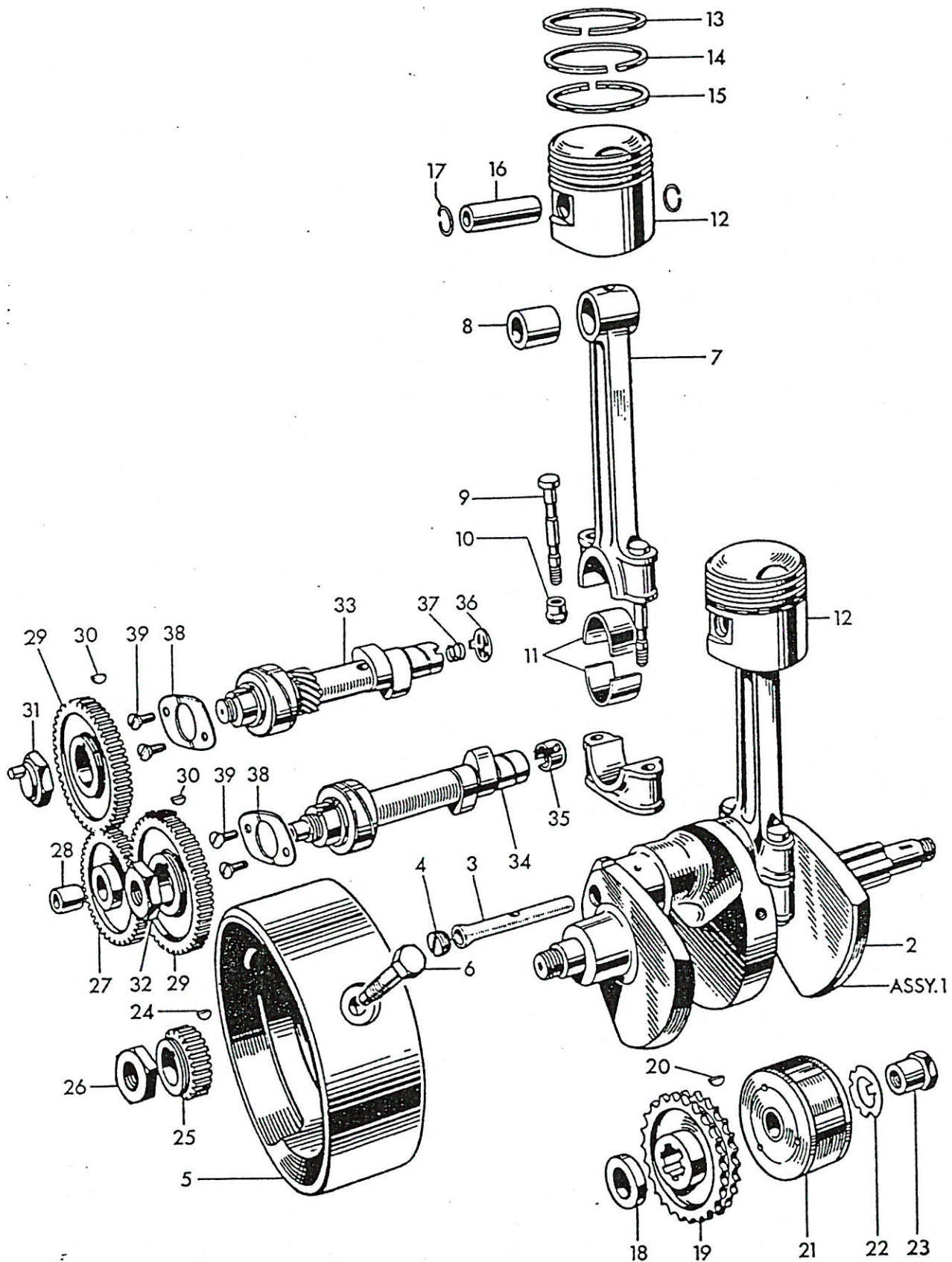


Fig. 1. CRANKSHAFT AND CONNECTING RODS

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

## CRANKSHAFT AND CONNECTING RODS

|    |         |                                                                  |   |                               |
|----|---------|------------------------------------------------------------------|---|-------------------------------|
| 1  | E9489   | CRANKSHAFT AND FLYWHEEL ASSEMBLY ... ..                          | 1 |                               |
| 2  | E9490   | Crankshaft ... ..                                                | 1 |                               |
| 3  | E3999   | Oil tube ... ..                                                  | 1 |                               |
| 4  | E9492   | Screwed plug ... ..                                              | 1 |                               |
| 5  | E5870   | Flywheel ... ..                                                  | 1 |                               |
| 6  | S1913   | Flywheel bolt ( $1\frac{15}{32}$ in. U.H.) ... ..                | 3 |                               |
| 7  | E6964   | CONNECTING ROD ... ..                                            | 2 | T90                           |
| 7  | E4001T  | CONNECTING ROD ... ..                                            | 2 | T100S                         |
| 7  | E8834   | CONNECTING ROD ... ..                                            | 2 | T100T, T100R                  |
| 8  | E1762   | Small end bush ... ..                                            | 2 | T90                           |
| 8  | E4003   | Small end bush ... ..                                            | 2 | T100S                         |
| 9  | E3705   | Connecting rod bolt ... ..                                       | 2 |                               |
| 10 | E2922   | Self-locking nut ... ..                                          | 2 |                               |
| 11 | E3706   | Big end bearing (available in —.010 and —.020 undersizes) ... .. | 4 |                               |
| 12 | E6899   | PISTON COMPLETE C.R. 9.5 : 1 ... ..                              | 2 | T90                           |
| 12 | E6884   | PISTON COMPLETE C.R. 9.1 ... ..                                  | 2 | T100R, T100T,<br>T100S, T100C |
| 13 | E6902   | Plain compression ring ... ..                                    | 2 | T90                           |
| 13 | E6893   | Taper compression ring ... ..                                    | 4 | T100S                         |
| 14 | E6903   | Taper compression ring ... ..                                    | 2 | T90                           |
| 15 | E6904   | Oil control ring ... ..                                          | 2 | T90                           |
| 15 | E6894   | Oil control ring ... ..                                          | 2 | T100S                         |
| 16 | E6901   | Gudgeon pin ... ..                                               | 2 | T90                           |
| 16 | E6861   | Gudgeon pin ... ..                                               | 2 | T100S                         |
| 17 | E6905   | Circlip ... ..                                                   | 4 | T90                           |
| 17 | E6869   | Circlip ... ..                                                   | 4 | T100S                         |
| 18 | E9505   | Distance collar ... ..                                           | 1 |                               |
| 19 | E3734   | Engine sprocket, 26T Duplex ... ..                               | 1 |                               |
| 20 | E3851   | Rotor key ... ..                                                 | 1 |                               |
| 21 | 99-0739 | Rotor, type RM21 (54213901) ... ..                               | 1 |                               |
| 22 | E3975   | Tab washer ... ..                                                | 1 |                               |
| 23 | S1915   | Nut ... ..                                                       | 1 |                               |
| 24 | E1580   | Key ... ..                                                       | 1 |                               |
| 25 | E1771   | Timing pinion ... ..                                             | 1 |                               |
| 26 | S1914   | Nut ... ..                                                       | 1 |                               |
| 27 | E6160   | INTERMEDIATE WHEEL ... ..                                        | 1 |                               |
| 28 | E400    | Bush ... ..                                                      | 1 |                               |
| 29 | E1486R  | Camshaft wheel ... ..                                            | 2 |                               |
| 30 | E1558   | Camshaft key ... ..                                              | 2 |                               |
| 31 | E1463   | Inlet camshaft nut ... ..                                        | 1 |                               |
| 32 | E4563   | Exhaust camshaft nut ... ..                                      | 1 |                               |
| 33 | E10043  | Inlet camshaft ... ..                                            | 1 |                               |
| 34 | E10047  | Exhaust camshaft ... ..                                          | 1 | T100T, T100R                  |
| 34 | E10046  | EXHAUST CAMSHAFT ... ..                                          | 1 | T100S, T100C, T90             |
| 35 | †E4700  | Tachometer drive thimble ... ..                                  | 1 |                               |
| 36 | E5316   | Rotary breather valve ... ..                                     | 1 |                               |
| 37 | E2256   | Breather valve spring ... ..                                     | 1 |                               |
| 38 | E9502   | Retaining plate ... ..                                           | 2 |                               |
| 39 | S1929   | Screw ( $1\frac{15}{32}$ in. U.H.) ... ..                        | 4 |                               |

\* Use D524 Loctite sealant

† Use E7050 to replace without dismantling



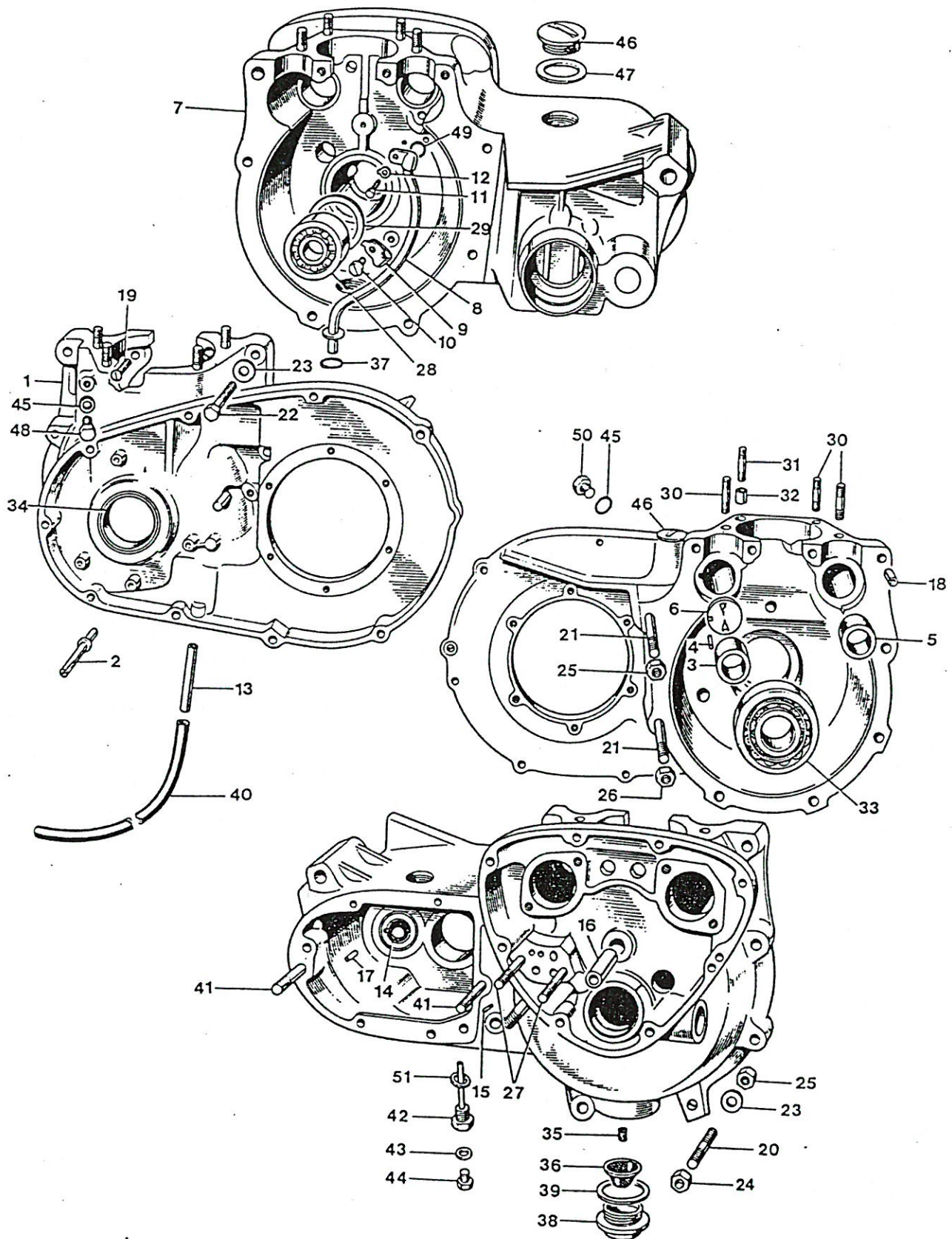


Fig. 2. CRANKCASE

| Ref. No.  | Part No. | DESCRIPTION                                           | QUANTITY     | REMARKS |
|-----------|----------|-------------------------------------------------------|--------------|---------|
| CRANKCASE |          |                                                       |              |         |
| 1         | E9746    | CRANKCASE DRIVE SIDE ... ..                           | 1            |         |
| 2         | E4147    | Pivot pin ... ..                                      | 1            |         |
| 3         | E3824    | Inlet camshaft bush ... ..                            | 1            |         |
| 4         | E3172    | Locating pin ... ..                                   | 1            |         |
| 5         | E3823    | Bush exhaust camshaft ... ..                          | 2            |         |
| 6         | E5316    | Rotary valve ... ..                                   | 1            |         |
| 7         | E9747    | CRANKCASE TIMING SIDE ... ..                          | 1            |         |
| 8         | E9496    | Oil scavenge pipe ... ..                              | 1            |         |
| 9         | E1509    | Clip ... ..                                           | 1            |         |
| 10        | S1920    | Screw ... ..                                          | 1            |         |
| 11        | 14-6102  | Bolt ... ..                                           | 1            |         |
| 12        | E7430    | Tab washer ... ..                                     | 1            |         |
| 13        | E2724    | Breather pipe ... ..                                  | 1            |         |
| 14        | T1606    | Needle roller bearing ... ..                          | 1            |         |
| 15        | E6386    | Dowel at junction block ... ..                        | Not serviced |         |
| 16        | E375     | Idler gear spindle ... ..                             | 1            |         |
| 17        | T912     | Peg (at thrust washer) ... ..                         | 1            |         |
| 18        | E3716    | Hollow dowel ... ..                                   | 2            |         |
| 19        | S1926    | Screw ( $\frac{3}{16}$ in. U.H.) ... ..               | 2            |         |
| 20        | E3804    | Stud (3 in. O.A.) ... ..                              | 1            |         |
| 21        | S1925    | Stud ( $3\frac{3}{4}$ in. U.H.) ... ..                | 2            |         |
| 22        | S1919    | Bolt ( $1\frac{5}{8}$ in. U.H.) ... ..                | 1            |         |
| 23        | S25-3    | Plain washer ... ..                                   | 3            |         |
| 24        | S1-51    | Nut ... ..                                            | 3            |         |
| 25        | S1908    | Nut ... ..                                            | 1            |         |
| 26        | 14-0302  | Nut ... ..                                            | 1            |         |
| 27        | S1864    | Oil pump stud ( $1\frac{5}{16}$ in. O.A.) ... ..      | 2            |         |
| 28        | E9494    | Right main bearing (ball journal) ... ..              | 1            |         |
| 29        | E9503    | Abutment ring ... ..                                  | 1            |         |
| 30        | S1921    | Cylinder base stud ( $1\frac{1}{2}$ in. O.A.) ... ..  | 6            |         |
| 31        | S1922    | Cylinder base stud ( $1\frac{1}{16}$ in. O.A.) ... .. | 2            |         |
| 32        | E1534    | Dowel ... ..                                          | 2            |         |
| 33        | E9493    | Left main bearing (Roller journal) ... ..             | 1            |         |
| 34        | E3876    | Oil seal ... ..                                       | 1            |         |
| 35        | E3724    | Filter spring ... ..                                  | 1            |         |
| 36        | E3722    | Filter ... ..                                         | 1            |         |
| 37        | E7431    | Sealing washer ... ..                                 | 1            |         |
| 38        | E9501    | Filter cap ... ..                                     | 1            |         |
| 39        | E1577    | Joint washer ... ..                                   | 1            |         |
| 40        | E7449    | Breather extension pipe ... ..                        | 1            |         |
| 41        | S1927    | Stud ( $3\frac{1}{16}$ in. O.A.) ... ..               | 2            |         |
| 42        | T3851    | Drain plug (with level tube) ... ..                   | 1            |         |
| 43        | E2441    | Fibre washer ... ..                                   | 1            |         |
| 44        | S543     | Level plug ... ..                                     | 1            |         |
| 45        | E8896    | Fibre washer ... ..                                   | 1            |         |
| 46        | T2166    | Filler plug ... ..                                    | 2            |         |
| 47        | E3876    | Fibre washer ... ..                                   | 1            |         |
| 48        | S1871    | Blanking plug (L.H. thread) ... ..                    | 1            |         |
| 49        | E7431    | "O" ring ... ..                                       | 1            |         |
| 50        | S1872    | Plug ... ..                                           | 1            |         |
| 51        | T1257    | Washer ... ..                                         | 1            |         |



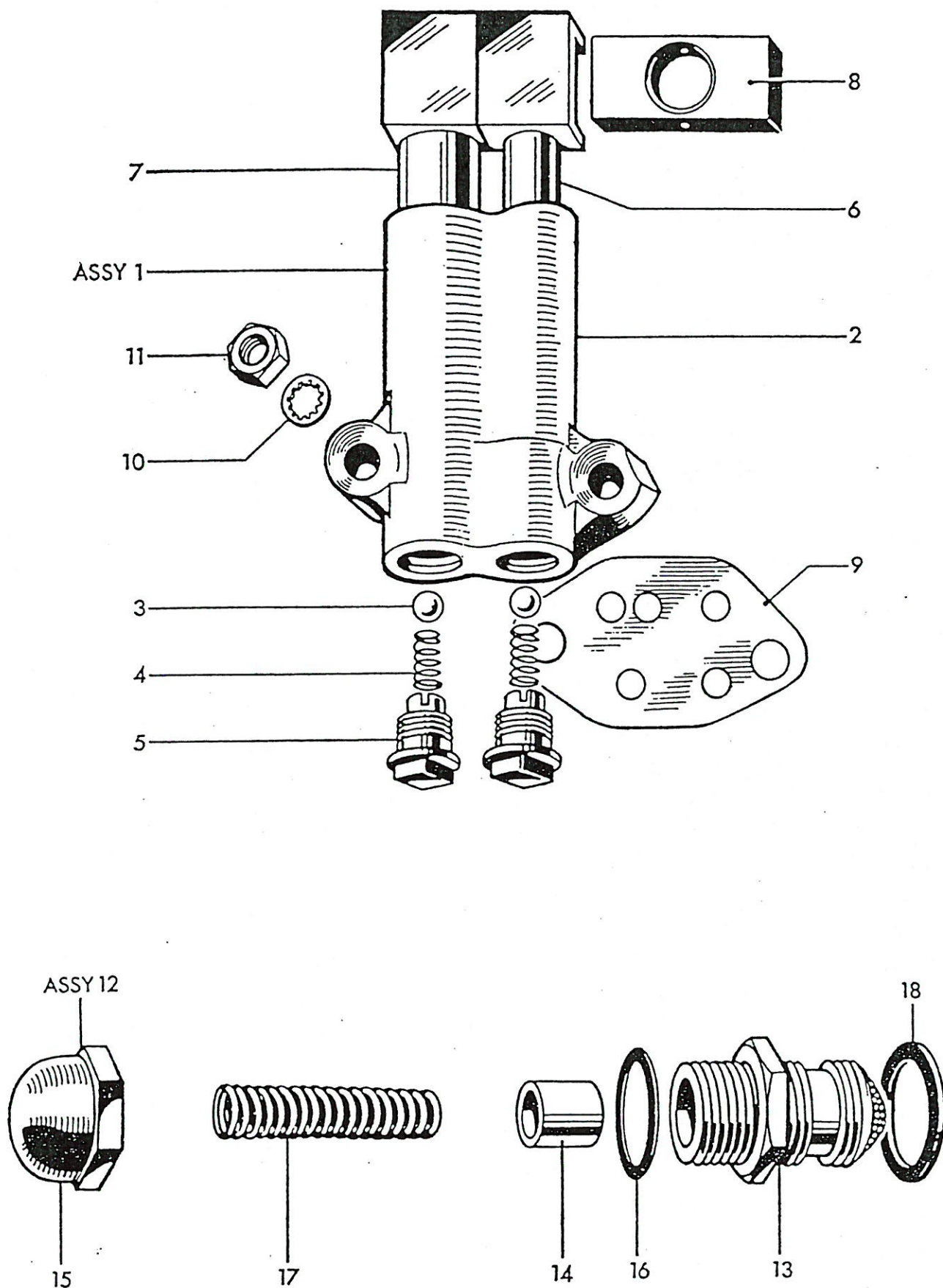


Fig. 3. OIL PUMP AND RELEASE VALVE

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

### OIL PUMP AND RELEASE VALVE

|    |       |                   |   |  |
|----|-------|-------------------|---|--|
| 1  | E6928 | OIL PUMP ... ..   | 1 |  |
| 2  | E6680 | Pump body...      | 1 |  |
| 3  | S70-7 | Valve ball ...    | 2 |  |
| 4  | E403  | Valve spring      | 2 |  |
| 5  | E2360 | Screwed plug      | 2 |  |
| 6  | GS153 | Feed plunger      | 1 |  |
| 7  | E6681 | Scavenge plunger  | 1 |  |
| 8  | E495  | Drive block       | 1 |  |
| 9  | E3730 | Joint washer ...  | 1 |  |
| 10 | E3887 | Serrated washer   | 2 |  |
| 11 | S1906 | Nut ... ..        | 2 |  |
| 12 | E6595 | OIL RELEASE VALVE | 1 |  |
| 13 | E7590 | Valve body        | 1 |  |
| 14 | GS251 | Piston ...        | 1 |  |
| 15 | E6596 | Cap ... ..        | 1 |  |
| 16 | E8753 | Fibre washer      | 1 |  |
| 17 | E7591 | Main spring       | 1 |  |
| 18 | E1670 | Fibre washer ...  | 1 |  |



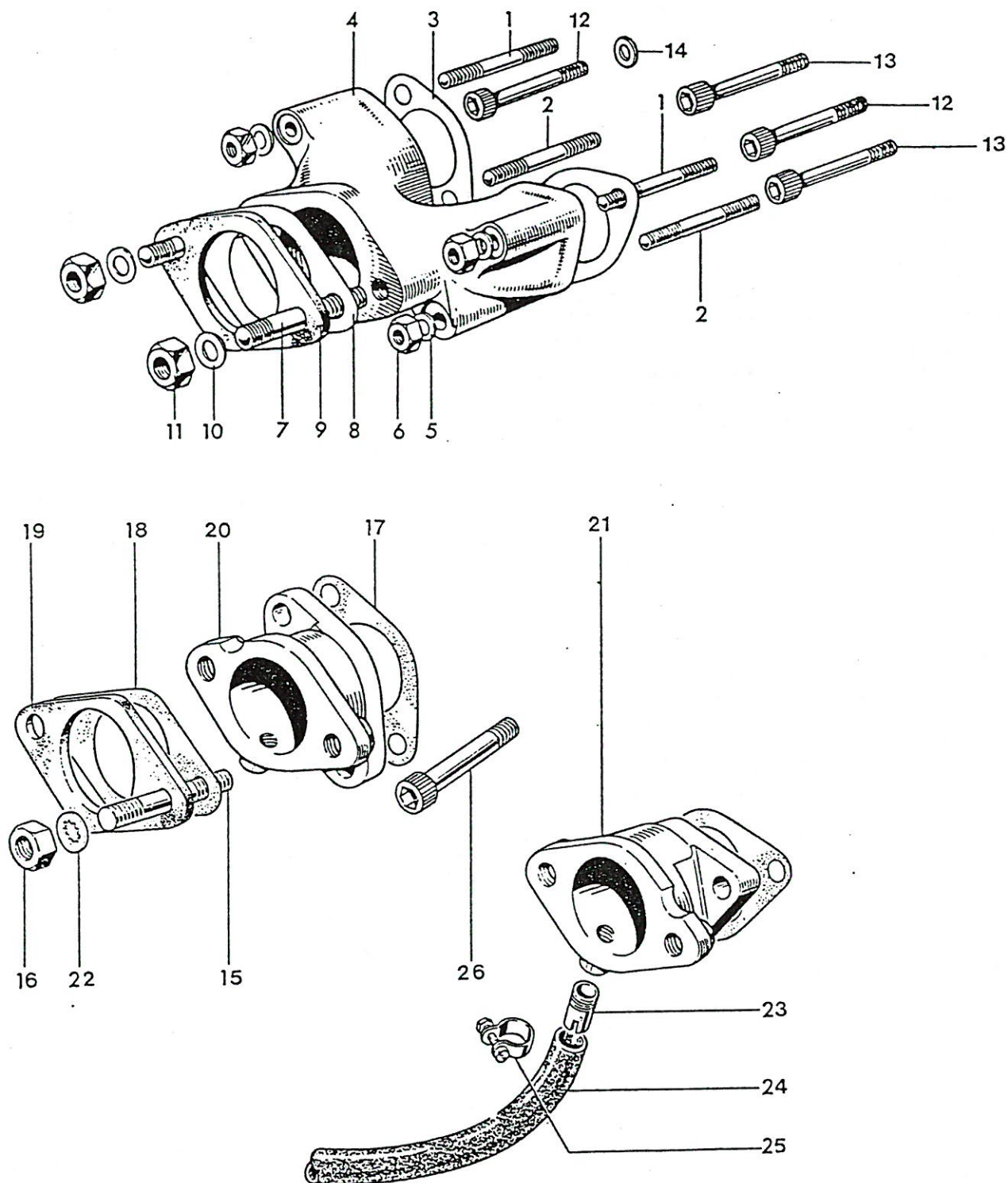


Fig. 4. INLET MANIFOLDS

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

## INLET MANIFOLDS

### Single Carburetter Models (T90, T100S, T100C)

|    |         |                                             |   |                   |
|----|---------|---------------------------------------------|---|-------------------|
| 1  | S1923   | Stud (2 $\frac{1}{16}$ in. O.A.)            | 2 | T90               |
| 2  | S1924   | Stud (1 $\frac{9}{32}$ in. O.A.)            | 2 | T90               |
| 3  | E6772   | Joint washer                                | 2 | T100S, T100C      |
| 4  | E4689   | Inlet manifold                              | 1 | T90               |
| 4  | E7578   | Inlet manifold                              | 1 | T100S, T100C      |
| 5  | S25-3   | Plain washer                                | 4 | T100S, T100C, T90 |
| 6  | S1877   | Nut                                         | 4 |                   |
| 7  | E3880   | Stud (1 $\frac{1}{4}$ in. O.A.)             | 2 | T90               |
| 7  | S582    | Stud (1 $\frac{5}{16}$ in. O.A.)            | 2 | T100S, T100C      |
| 8  | NA43A   | Joint washer                                | 1 |                   |
| 9  | E4504   | Insulating block                            | 1 | T90               |
| 9  | E2968   | Insulating block                            | 1 | T100S             |
| 10 | E2287   | Plain washer                                | 2 |                   |
| 11 | S1-51   | Nut                                         | 2 | T90               |
| 11 | 14-0702 | Nut locking                                 | 2 | T100S, T100C      |
| 12 | 14-7019 | Socket head screw ( $\frac{7}{8}$ in. U.H.) | 2 | T100S, T100C      |
| 13 | 14-7024 | Socket head screw (2 in. U.H.)              | 2 | T100S, T100C      |
| 14 | S648    | Spring washer                               | 4 |                   |

### Twin Carburetter Models (T100T, T100R)

|    |         |                                             |   |  |
|----|---------|---------------------------------------------|---|--|
| 15 | S582    | Stud (1 $\frac{5}{16}$ in. U.H.)            | 4 |  |
| 16 | 14-0702 | Nut, locking                                | 4 |  |
| 17 | E6772   | Joint washer, manifold...                   | 2 |  |
| 18 | NA43A   | Joint washer, insulating block              | 2 |  |
| 19 | E2968   | Insulating block                            | 2 |  |
| 20 | E7136   | Left manifold                               | 1 |  |
| 21 | E7137   | Right manifold                              | 1 |  |
| 22 | E2287   | Serrated washer                             | 4 |  |
| 23 | E6916   | Connector                                   | 2 |  |
| 24 | E6958   | Balance pipe                                | 1 |  |
| 25 | E5473   | Clip                                        | 2 |  |
| 26 | 14-7019 | Socket head screw ( $\frac{7}{8}$ in. U.H.) | 4 |  |

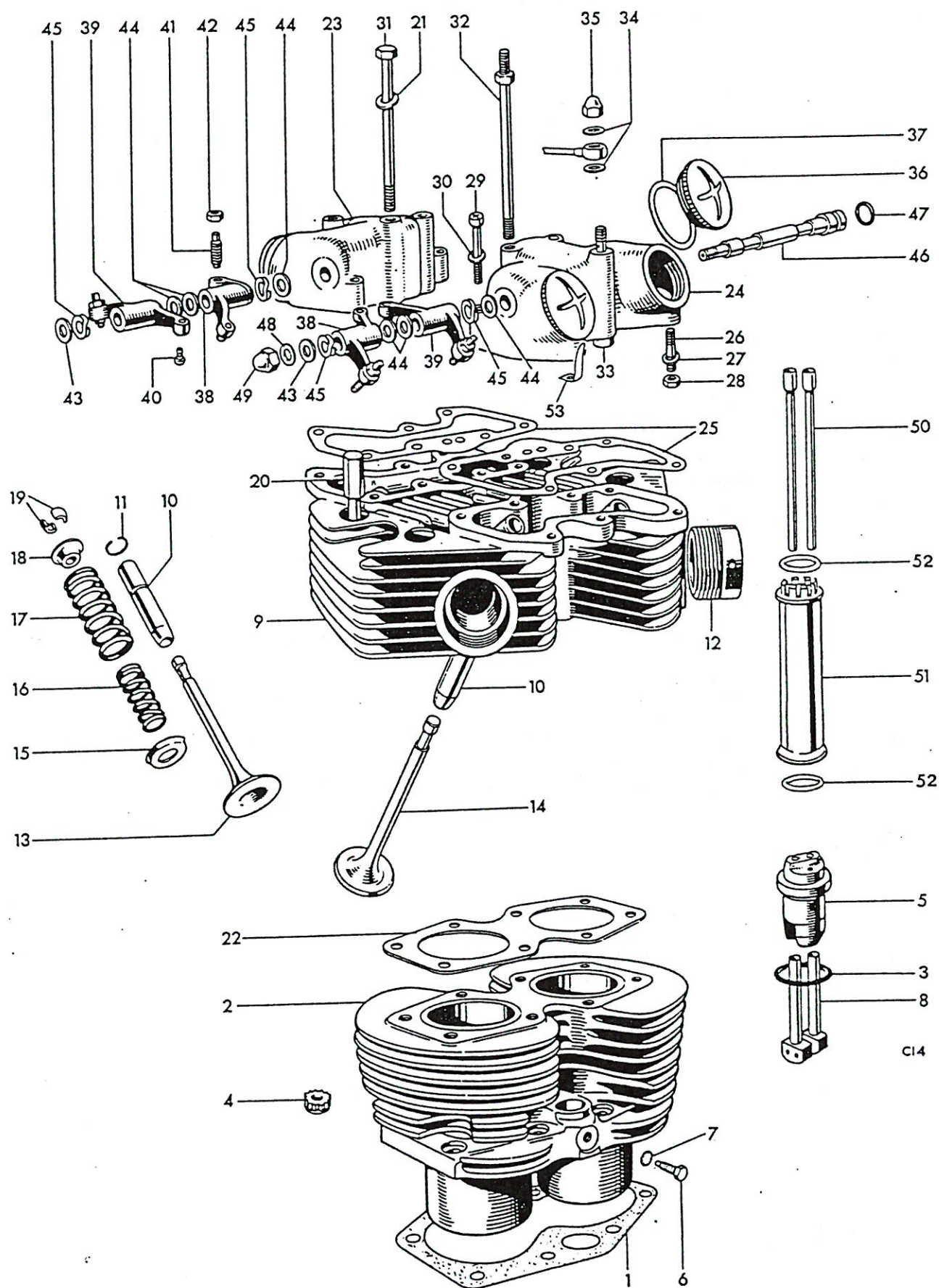


Fig. 5. CYLINDER BLOCK AND HEAD, T90



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

### CYLINDER BLOCK AND HEAD, T90

|    |         |                                                       |   |  |
|----|---------|-------------------------------------------------------|---|--|
| 1  | E3798   | Cylinder base washer ... ..                           | 1 |  |
| 2  | E9718   | Cylinder block ... ..                                 | 1 |  |
| 3  | E7563   | "O" ring ... ..                                       | 2 |  |
| 4  | S692    | Nut (12 point) ... ..                                 | 8 |  |
| 5  | E9352   | 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  | E9506   | CYLINDER HEAD c/w GUIDES ... ..                       | 1 |  |
| 10 | E6301   | Valve guide ... ..                                    | 4 |  |
| 11 | E3209   | Valve guide circlip ... ..                            | 4 |  |
| 12 | E9510   | Exhaust pipe adaptor ... ..                           | 2 |  |
| 13 | E4640   | Inlet valve ... ..                                    | 2 |  |
| 14 | E3739   | Exhaust valve ... ..                                  | 2 |  |
| 15 | E6855   | Bottom cup ... ..                                     | 4 |  |
| 16 | E5946   | Inner valve spring ... ..                             | 4 |  |
| 17 | E4011   | Outer valve spring ... ..                             | 4 |  |
| 18 | E3742   | Top collar ... ..                                     | 4 |  |
| 19 | WE259A  | Split cotter ... ..                                   | 8 |  |
| 20 | E4456   | Cylinder head bolt (2 25/32 in. U.H.) ... ..          | 4 |  |
| 21 | F2184   | Plain washer ... ..                                   | 8 |  |
| 22 | E4674   | Cylinder head gasket ... ..                           | 1 |  |
| 23 | E3745   | Inlet rocker box ... ..                               | 1 |  |
| 24 | E3744   | Exhaust rocker box ... ..                             | 1 |  |
| 25 | E9511   | 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 | 14-6609 | Screw ( $\frac{15}{16}$ in. U.H.) ... ..              | 4 |  |
| 30 | E3857   | Plain washer ... ..                                   | 4 |  |
| 31 | E3794   | Cylinder head bolt (5 $\frac{7}{16}$ in. U.H.) ... .. | 2 |  |
| 32 | 14-0220 | Cylinder head torque stay bolt ... ..                 | 2 |  |
| 33 | E3809   | Oil feed bolt ... ..                                  | 2 |  |
| 34 | F1880   | Copper washer ... ..                                  | 6 |  |
| 35 | H400    | Domed nut ... ..                                      | 2 |  |
| 36 | E4610   | Inspection cap ... ..                                 | 4 |  |
| 37 | E3751   | Fibre washer ... ..                                   | 4 |  |
| 38 | E3749   | ROCKER (Right exhaust, left inlet) ... ..             | 2 |  |
| 39 | E3750   | ROCKER (Left exhaust, right inlet)... ..              | 2 |  |
| 40 | E10071  | 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 |  |

(Continued)

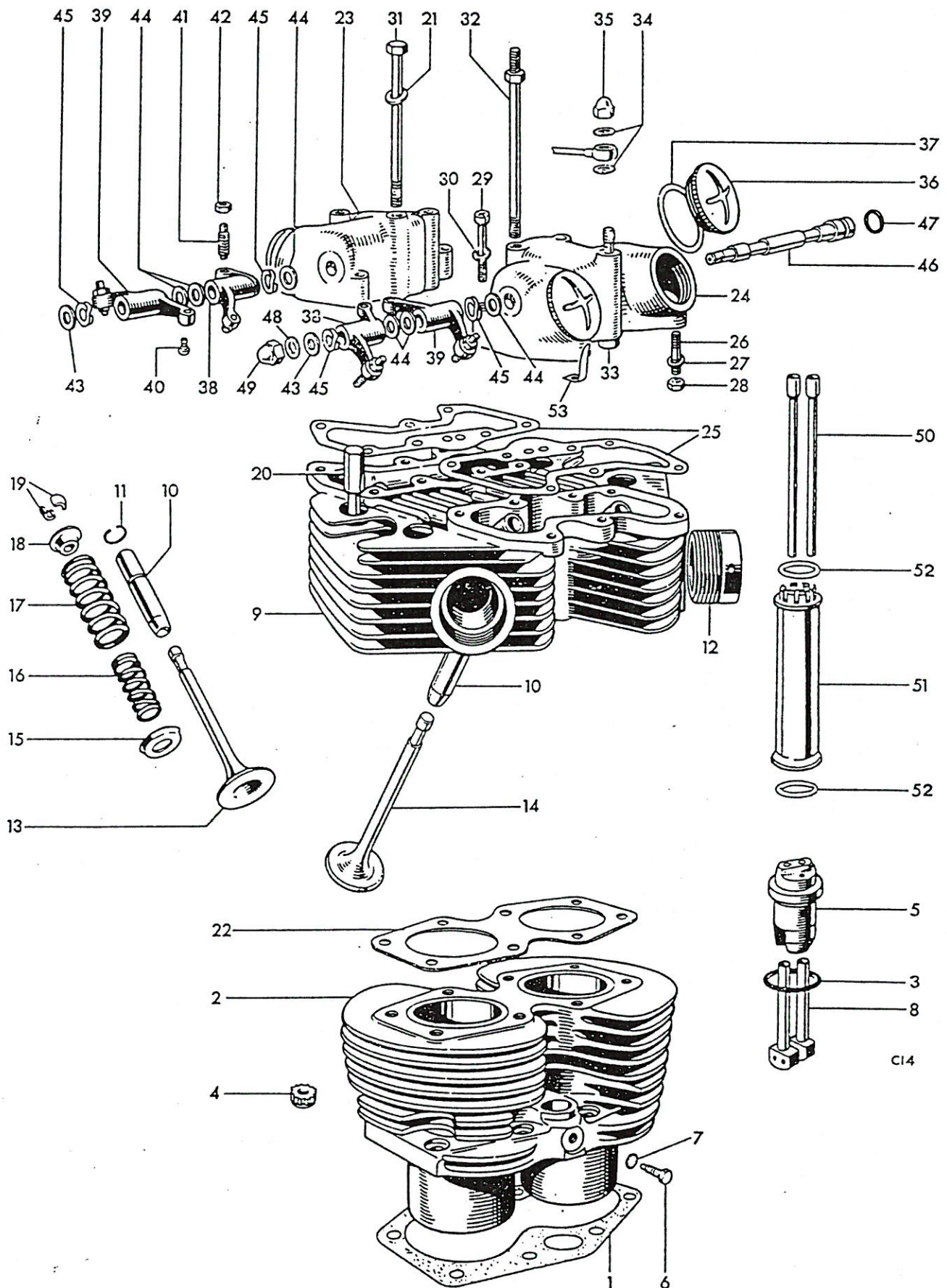


Fig. 5. CYLINDER BLOCK AND HEAD, T90

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

**CYLINDER BLOCK AND HEAD, T90**  
(Continued)

|    |       |                       |   |  |
|----|-------|-----------------------|---|--|
| 49 | E1435 | Domed nut ... ..      | 2 |  |
| 50 | E3759 | Push rod ... ..       | 4 |  |
| 51 | E9512 | Cover tube ... ..     | 2 |  |
| 52 | E7310 | Rubber washer ... ..  | 4 |  |
| 53 | E4671 | Locking spring ... .. | 4 |  |



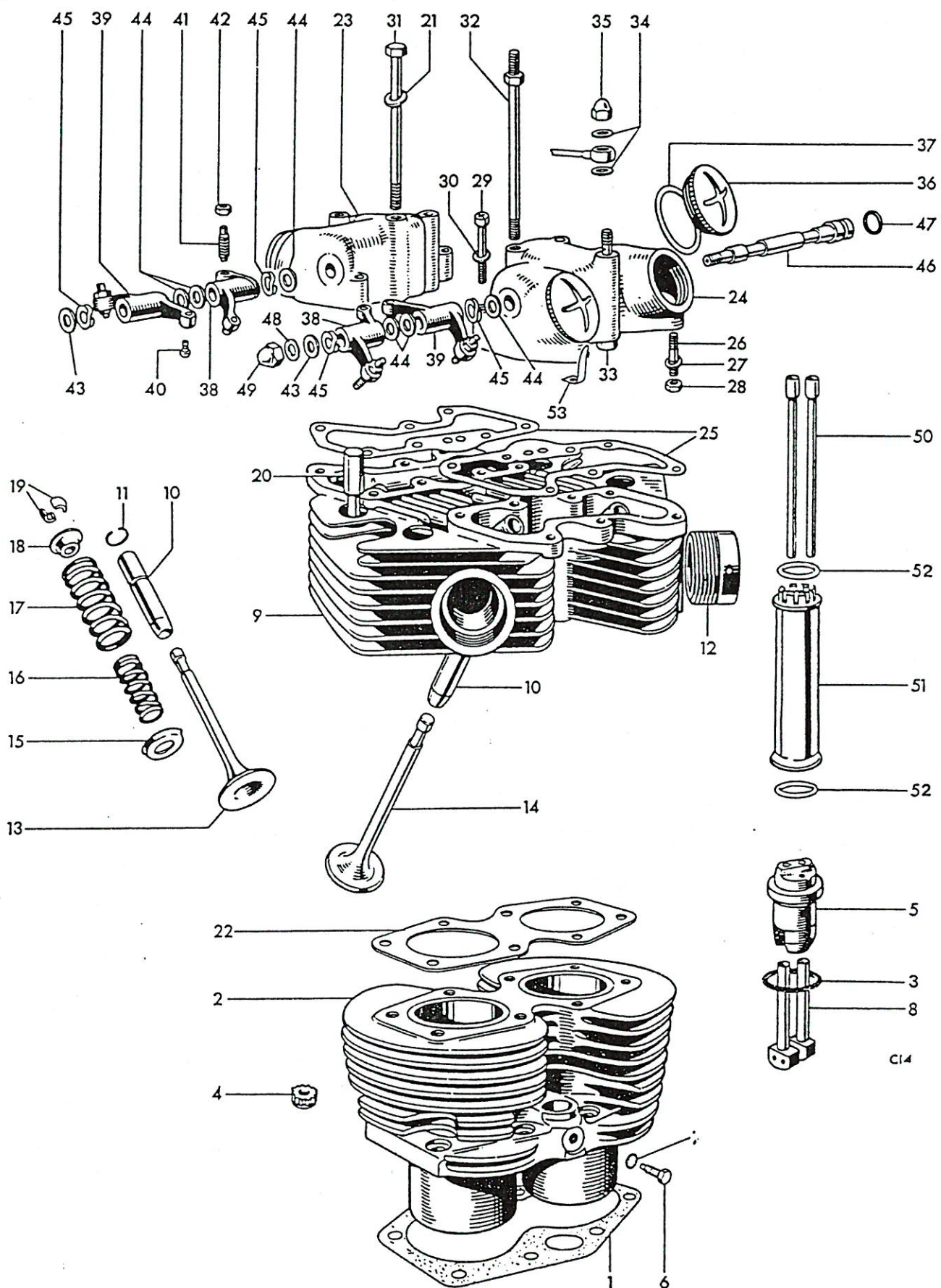


Fig. 6. CYLINDER BLOCK AND HEAD, T100S AND T100C

| Ref. No.                                                        | Part No. | DESCRIPTION                                           | QUANTITY | REMARKS |
|-----------------------------------------------------------------|----------|-------------------------------------------------------|----------|---------|
| <b>CYLINDER BLOCK AND HEAD, T100S, T100C SINGLE CARBURETTER</b> |          |                                                       |          |         |
| 1                                                               | E3798    | Cylinder base washer ... ..                           | 1        |         |
| 2                                                               | E9719    | Cylinder block ... ..                                 | 1        |         |
| 3                                                               | E7563    | "O" ring ... ..                                       | 2        |         |
| 4                                                               | S692     | Nut (12 point) ... ..                                 | 8        |         |
| 5                                                               | E4676    | 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                                                               | E10277   | CYLINDER HEAD c/w GUIDES ... ..                       | 1        | T100C   |
| 10                                                              | E10229   | Valve guide (cast iron) ... ..                        | 4        | T100C   |
| 9                                                               | E9507    | CYLINDER HEAD c/w GUIDES ... ..                       | 1        | T100S   |
| 10                                                              | E6301    | Valve guide ... ..                                    | 4        | T100S   |
| 11                                                              | E3209    | Valve guide circlips ... ..                           | 4        | T100S   |
| 12                                                              | E9510    | Exhaust pipe adaptor ... ..                           | 2        |         |
| 13                                                              | E6853    | Inlet valve ... ..                                    | 2        |         |
| 14                                                              | E6854    | Exhaust valve ... ..                                  | 2        |         |
| 15                                                              | E6855    | Bottom Cup ... ..                                     | 4        |         |
| 16                                                              | E5946    | Inner valve spring ... ..                             | 4        |         |
| 17                                                              | E4011    | Outer valve spring ... ..                             | 4        |         |
| 18                                                              | E3742    | Top collar ... ..                                     | 4        |         |
| 19                                                              | WE259A   | Split cotter ... ..                                   | 8        |         |
| 20                                                              | E4456    | Cylinder head bolt (2 25/32 in. U.H.) ... ..          | 4        |         |
| 21                                                              | F2184    | Plain washer ... ..                                   | 8        |         |
| 22                                                              | E4675    | Cylinder head gasket ... ..                           | 1        |         |
| 23                                                              | E3745    | Inlet rocker box ... ..                               | 1        |         |
| 24                                                              | E3744    | Exhaust rocker box ... ..                             | 1        |         |
| 25                                                              | E9511    | 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                                                              | 14-6609  | Screw ( $\frac{15}{16}$ 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                                                              | E4610    | Inspection cap ... ..                                 | 4        |         |
| 37                                                              | E3751    | Fibre washer ... ..                                   | 4        |         |
| 38                                                              | E3749    | ROCKER (right exhaust, left inlet) ... ..             | 2        |         |
| 39                                                              | E3750    | ROCKER (left exhaust, right inlet) ... ..             | 2        |         |
| 40                                                              | E7651    | 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 ... ..                                  | 2        |         |
| 46                                                              | E3748    | Rocker spindle ... ..                                 | 2        |         |
| 47                                                              | E3253    | Sealing rubber ... ..                                 | 2        |         |
| 48                                                              | E1335    | Copper washer ... ..                                  | 2        |         |
| 49                                                              | E1435    | Domed nut ... ..                                      | 2        |         |
| 50                                                              | E4008    | Push rod ... ..                                       | 4        |         |
| 51                                                              | E4751    | Cover tube ... ..                                     | 2        |         |
| 52                                                              | E4752    | Rubber washer ... ..                                  | 4        |         |
| 53                                                              | E4671    | Locking spring ... ..                                 | 4        |         |

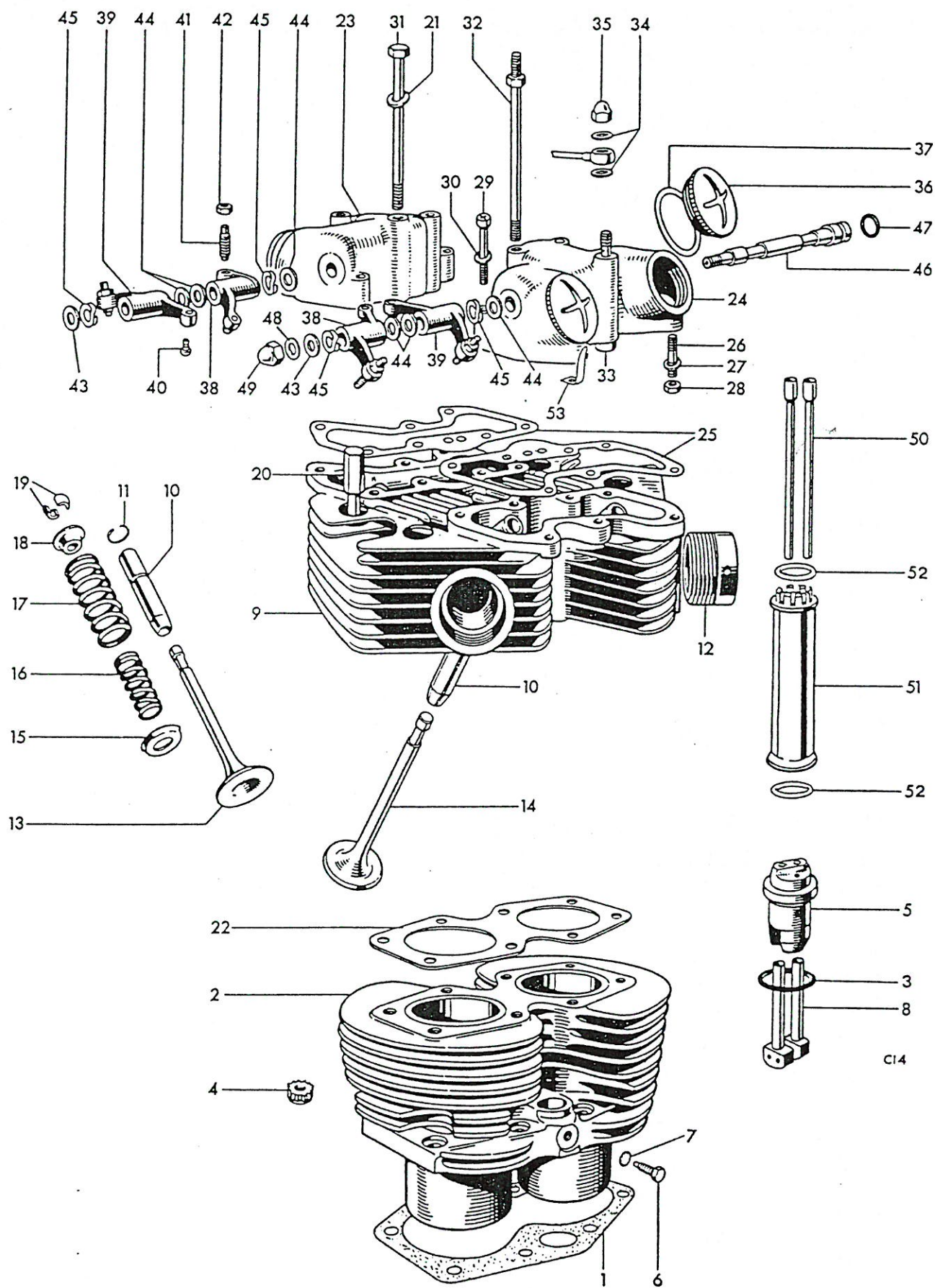


Fig. 7. CYLINDER BLOCK AND HEAD, T100R, T100T



# CYLINDER BLOCK AND HEAD, T100R, T100T TWIN CARBURETTER

|    |        |                                                    |   |  |
|----|--------|----------------------------------------------------|---|--|
| 1  | E3798  | Cylinder base washer ...                           | 1 |  |
| 2  | E9719  | Cylinder block ...                                 | 1 |  |
| 3  | E2563  | "O" ring ...                                       | 2 |  |
| 4  | S692   | Nut (12 point) ...                                 | 8 |  |
| 5  | E4676  | Tappet guide block ...                             | 2 |  |
| 6  | H200   | Tappet block screw ( $\frac{7}{16}$ in. U.H.) ...  | 2 |  |
| 7  | E1612  | Serrated washer ...                                | 2 |  |
| 8  | E4040  | Tappet, Racing type ...                            | 4 |  |
| 9  | E6966  | CYLINDER HEAD c/w GUIDES ...                       | 1 |  |
| 10 | E6301  | Valve guide ...                                    | 4 |  |
| 11 | E3209  | Valve guide circlip ...                            | 4 |  |
| 12 | E2961  | Exhaust pipe adaptor ...                           | 2 |  |
| 13 | E6853  | Inlet valve ...                                    | 2 |  |
| 14 | E6854  | Exhaust valve ...                                  | 2 |  |
| 15 | E6855  | Bottom cup ...                                     | 4 |  |
| 16 | E5946  | Inner valve spring ...                             | 4 |  |
| 17 | E4011  | Outer valve spring ...                             | 4 |  |
| 18 | E3742  | Top collar ...                                     | 4 |  |
| 19 | WE259A | Split cotter ...                                   | 8 |  |
| 20 | E4456  | Cylinder head bolt ( $2\frac{5}{32}$ in. U.H.) ... | 4 |  |
| 21 | F2184  | Plain washer ...                                   | 8 |  |
| 22 | E4675  | 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 ( $\frac{1}{8}$ in. O.A.) ...      | 4 |  |
| 27 | E3302  | Plain washer ...                                   | 4 |  |
| 28 | F879   | Nut ...                                            | 4 |  |
| 29 | E3668  | Screw ( $\frac{1}{8}$ 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 | E4610  | Inspection cap ...                                 | 4 |  |
| 37 | E3751  | Fibre washer ...                                   | 4 |  |
| 38 | E3749  | ROCKER (right exhaust, left inlet) ...             | 2 |  |
| 39 | E3750  | ROCKER (left exhaust, right inlet) ...             | 2 |  |
| 40 | E7651  | Rocker ball pin ...                                | 4 |  |
| 41 | E3223  | Rocker adjusting pin ...                           | 4 |  |
| 42 | GS662  | Adjuster lock nut ...                              | 4 |  |
| 43 | E1330  | Thrust washer, $\frac{3}{8}$ in. ...               | 4 |  |
| 44 | E2534  | Thrust washer, $\frac{7}{16}$ in. ...              | 6 |  |
| 45 | E3224  | Spring washer ...                                  | 2 |  |
| 46 | E3748  | Rocker spindle ...                                 | 2 |  |
| 47 | E3253  | Sealing rubber ...                                 | 2 |  |
| 48 | E1335  | Copper washer ...                                  | 2 |  |
| 49 | E1435  | Domed nut ...                                      | 2 |  |
| 50 | E4008  | Push rod ...                                       | 4 |  |
| 51 | E4751  | Cover tube ...                                     | 2 |  |
| 52 | E4752  | Rubber washer ...                                  | 4 |  |
| 53 | E4671  | Locking spring ...                                 | 4 |  |

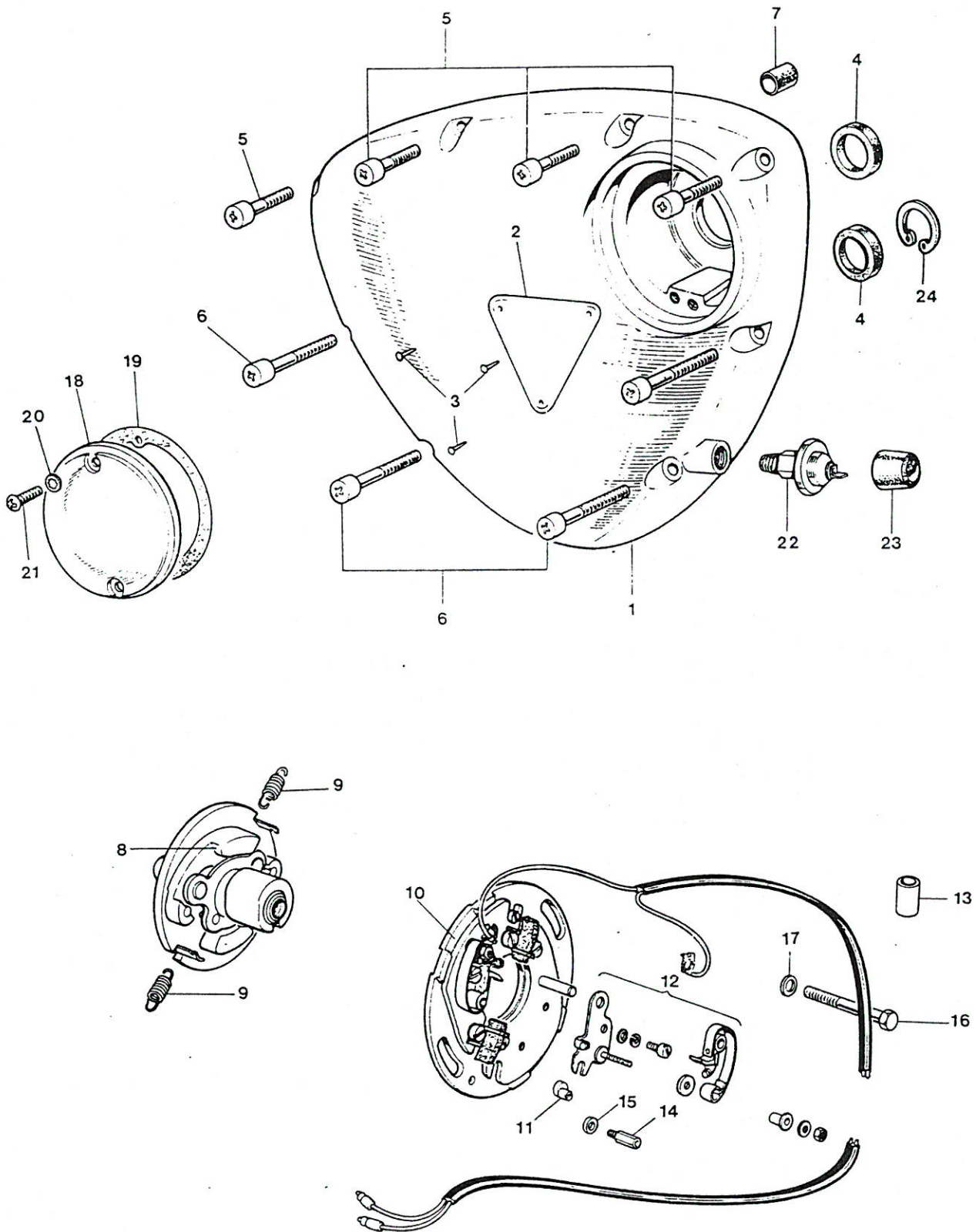


Fig. 8. TIMING COVER AND CONTACT BREAKER

| Ref. No.                         | Part No. | DESCRIPTION                                      | QUANTITY | REMARKS         |
|----------------------------------|----------|--------------------------------------------------|----------|-----------------|
| TIMING COVER AND CONTACT BREAKER |          |                                                  |          |                 |
| 1                                | E9250    | Timing cover ... ..                              | 1        |                 |
| 2                                | D1802    | Patent plate ... ..                              | 1        |                 |
| 3                                | D208-5   | Hammer-drive screw ... ..                        | 3        |                 |
| 4                                | E4568    | Oil seal ... ..                                  | 1        |                 |
| 5                                | 14-6607  | Screw ( $\frac{7}{8}$ in. U.H.) ... ..           | 4        |                 |
| 6                                | S1916    | Screw ( $1\frac{1}{8}$ in. U.H.) ... ..          | 4        |                 |
| 7                                | T989     | Hollow dowel ... ..                              | 1        |                 |
| 8                                | 99-0771  | AUTO-ADVANCE UNIT (54419340) ... ..              | 1        |                 |
| 9                                | 99-0757  | Spring set (54415642) ... ..                     | 1        |                 |
| 10                               | 99-0768  | CONTACT BREAKER PLATE ASSEMBLY (54419097) ... .. | 1        |                 |
| 11                               | 99-0769  | Pin adjustment (54419220) ... ..                 | 2        |                 |
| 12                               | 99-0772  | Contact set (54419827) ... ..                    | 2        |                 |
| 13                               | E4707    | Rubber grommet ... ..                            | 1        |                 |
| 14                               | E7680    | Pillar bolt ... ..                               | 2        |                 |
| 15                               | E6559    | Washer ... ..                                    | 2        |                 |
| 16                               | E8828    | Bolt ( $2\frac{1}{8}$ in. U.H.) ... ..           | 1        |                 |
| 17                               | S25-43   | Washer ... ..                                    | 1        |                 |
| 18                               | E8737    | Cover ... ..                                     | 1        |                 |
| 19                               | E5049    | Joint washer ... ..                              | 1        |                 |
| 20                               | GS299    | Serrated washer ... ..                           | 2        |                 |
| 21                               | E7354    | Screw ... ..                                     | 2        |                 |
| 22                               | D2133    | Oil pressure switch ... ..                       | 1        |                 |
| 23                               | D2045    | Cover pressure switch ... ..                     | 1        |                 |
| 24                               | E4569    | Circlip ... ..                                   | 1        |                 |
| —                                | E4849    | Dowel pin, auto advance to camshaft ... ..       | 1        | Not illustrated |
| —                                | D2138    | Timing label for C.B. cover ... ..               |          | Not illustrated |



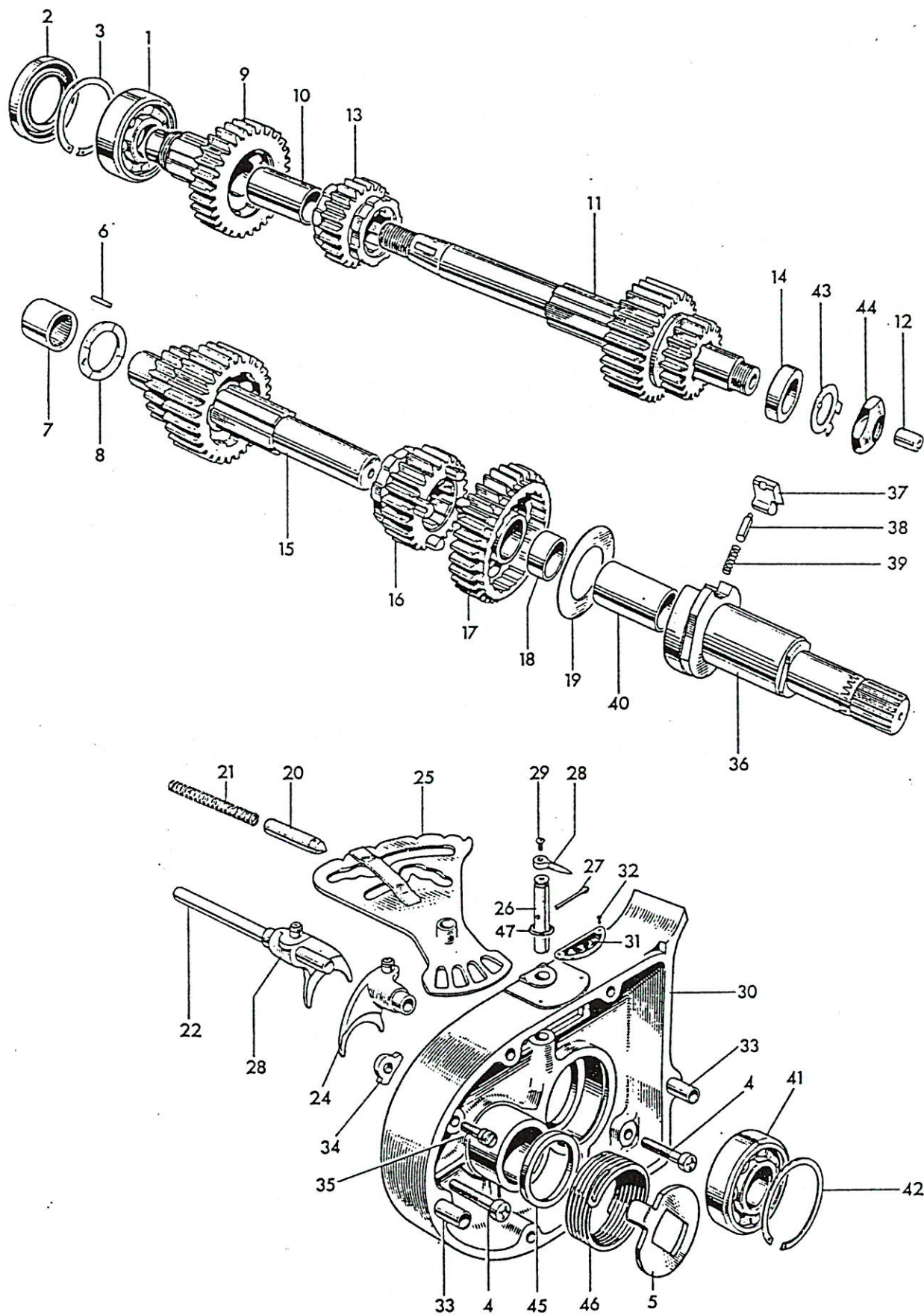


Fig. 9. GEARBOX SHAFTS, BEARINGS AND INNER COVER

| Ref. No.                                 | Part No.                              | DESCRIPTION                                 | QUANTITY | REMARKS                                      |
|------------------------------------------|---------------------------------------|---------------------------------------------|----------|----------------------------------------------|
| GEARBOX SHAFTS, BEARINGS AND INNER COVER |                                       |                                             |          |                                              |
| 1                                        | T665                                  | High gear bearing (ball journal) ... ..     | 1        |                                              |
| 2                                        | T1478                                 | Oil seal ... ..                             | 1        |                                              |
| 3                                        | W680                                  | Circlip ... ..                              | 1        |                                              |
| 4                                        | 14-6608                               | Screw (1 in. U.H.) ... ..                   | 2        |                                              |
| 5                                        | T1422                                 | Return spring plate ... ..                  | 1        |                                              |
| 6                                        | T912                                  | Peg ... ..                                  | 1        |                                              |
| 7                                        | T1606                                 | Layshaft bearing ... ..                     | 1        |                                              |
| 8                                        | T1607                                 | Thrust washer ... ..                        | 1        |                                              |
| 9                                        | T2318                                 | MAINSHAFT HIGH GEAR (22T) ... ..            | 1        | T90, T100S, T100T<br>and<br>West Coast T100C |
| 10                                       | T1405                                 | High gear bush ... ..                       | 1        |                                              |
| 11                                       | T2275                                 | MAINSHAFT c/w THIRD AND LOW GEARS (16/24T)  | 1        |                                              |
| 12                                       | T1391                                 | Clutch rod bush ... ..                      | 1        |                                              |
| 13                                       | T1922                                 | Mainshaft second gear (21T) ... ..          | 1        |                                              |
| 14                                       | T1411                                 | Mainshaft distance piece ... ..             | 1        |                                              |
| 15                                       | T1949                                 | Layshaft c/w second and high gears (15/23T) | 1        |                                              |
| 16                                       | T1839                                 | Layshaft third gear (20T) ... ..            | 1        |                                              |
| 17                                       | T1950                                 | LAYSHAFT LOW GEAR (27T) ... ..              | 1        |                                              |
| 18                                       | T1393                                 | Low gear bush ... ..                        | 1        |                                              |
| 19                                       | T1426                                 | Pawl retaining disc ... ..                  | 1        |                                              |
| 20                                       | T3660                                 | Camplate index plunger ... ..               | 1        |                                              |
| 21                                       | T3661                                 | Index plunger spring ... ..                 | 1        |                                              |
| 22                                       | T1457                                 | Selector fork spindle ... ..                | 1        |                                              |
| 23                                       | T1480                                 | Mainshaft selector fork ... ..              | 1        |                                              |
| 24                                       | T1481                                 | Layshaft selector fork ... ..               | 1        |                                              |
| 25                                       | T1768                                 | Gear selector camplate ... ..               | 1        |                                              |
| 26                                       | T1418                                 | Camplate spindle ... ..                     | 1        |                                              |
| 27                                       | $\frac{1}{8}$ in. x $\frac{3}{4}$ in. | Split pin ... ..                            | 1        |                                              |
| 28                                       | T1416                                 | Gear indicator pointer ... ..               | 1        |                                              |
| 29                                       | H688                                  | Screw ( $\frac{5}{16}$ in. U.H.) ... ..     | 1        |                                              |
| 30                                       | T3754                                 | Inner cover ... ..                          | 1        |                                              |
| 31                                       | T1417                                 | Gear indicator plate ... ..                 | 1        |                                              |
| 32                                       | D208-5                                | Indicator plate rivet ... ..                | 2        |                                              |
| 33                                       | T1440                                 | Hollow dowel ... ..                         | 2        |                                              |
| 34                                       | T1157                                 | Kickstarter stop plate ... ..               | 1        |                                              |
| 35                                       | T1390                                 | Stop plate and anchor screw ... ..          | 1        |                                              |
| 36                                       | T1981                                 | KICKSTARTER SPINDLE ... ..                  | 1        |                                              |
| 37                                       | T1431                                 | Kickstarter pawl ... ..                     | 1        |                                              |
| 38                                       | T1282                                 | Plunger ... ..                              | 1        |                                              |
| 39                                       | T1161                                 | Plunger spring ... ..                       | 1        |                                              |
| 40                                       | T1897                                 | Bearing ... ..                              | 1        |                                              |
| 41                                       | T1469                                 | Mainshaft bearing (Ball journal) ... ..     | 1        |                                              |
| 42                                       | T280                                  | Circlip ... ..                              | 1        |                                              |
| 43                                       | T732                                  | Tab washer ... ..                           | 1        |                                              |
| 44                                       | S594                                  | Mainshaft nut ... ..                        | 1        |                                              |
| 45                                       | T1464                                 | Distance piece ... ..                       | 1        |                                              |
| 46                                       | T1441                                 | Kickstarter return spring ... ..            | 1        |                                              |
| 47                                       | E4803                                 | "O" ring ... ..                             | 1        |                                              |

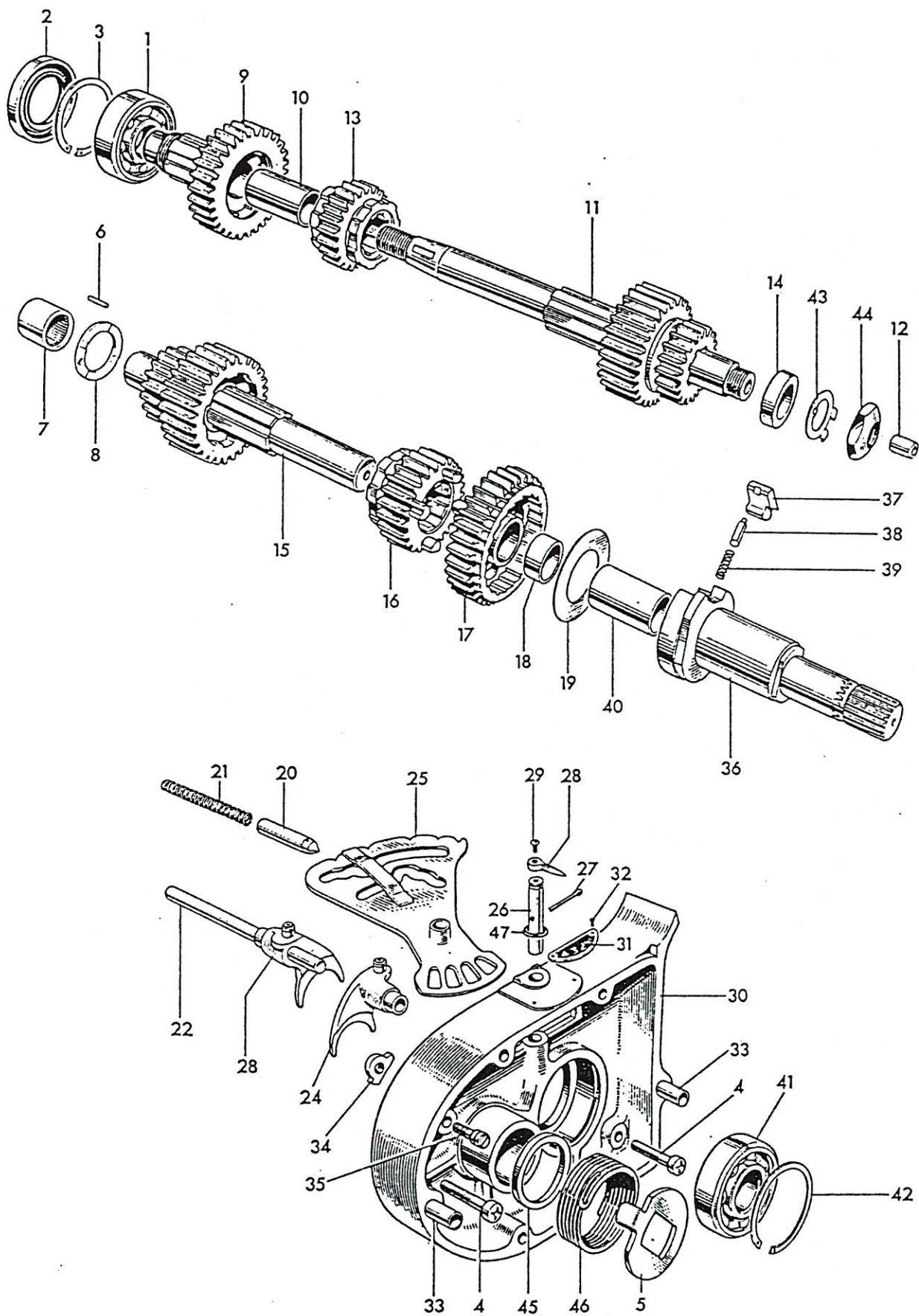


Fig. 9. GEARBOX SHAFTS, BEARINGS AND INNER COVER



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

### WIDE RATIO GEARS

(Can be fitted to T90 or T100)

Standard on East Coast T100C

|    |       |                                                |   |  |
|----|-------|------------------------------------------------|---|--|
| 9  | T2534 | MAINSHAFT HIGH GEAR (23T) ... ..               | 1 |  |
| 11 | T2277 | MAINSHAFT c/w THIRD AND LOW GEAR (15/24T) ...  | 1 |  |
| 13 | T1837 | Mainshaft second gear (20T) ... ..             | 1 |  |
| 15 | T1960 | Layshaft c/w second and high gear (14/24T) ... | 1 |  |
| 16 | T1839 | Layshaft third gear (20T) ... ..               | 1 |  |
| 17 | T1961 | LAYSHAFT LOW GEAR (29T) ... ..                 | 1 |  |

### CLOSE RATIO GEARS

(Can be fitted to T90 or T100)

|    |       |                                                |   |  |
|----|-------|------------------------------------------------|---|--|
| 9  | T2532 | MAINSHAFT HIGH GEAR (20T) ... ..               | 1 |  |
| 11 | T2276 | MAINSHAFT c/w THIRD AND LOW GEAR (16/22T) ...  | 1 |  |
| 13 | T1832 | Mainshaft second gear (20T) ... ..             | 1 |  |
| 15 | T1972 | Layshaft c/w second and high gear (17/23T) ... | 1 |  |
| 16 | T1842 | Layshaft third gear (21T) ... ..               | 1 |  |
| 17 | T1950 | LAYSHAFT LOW GEAR (27T) ... ..                 | 1 |  |

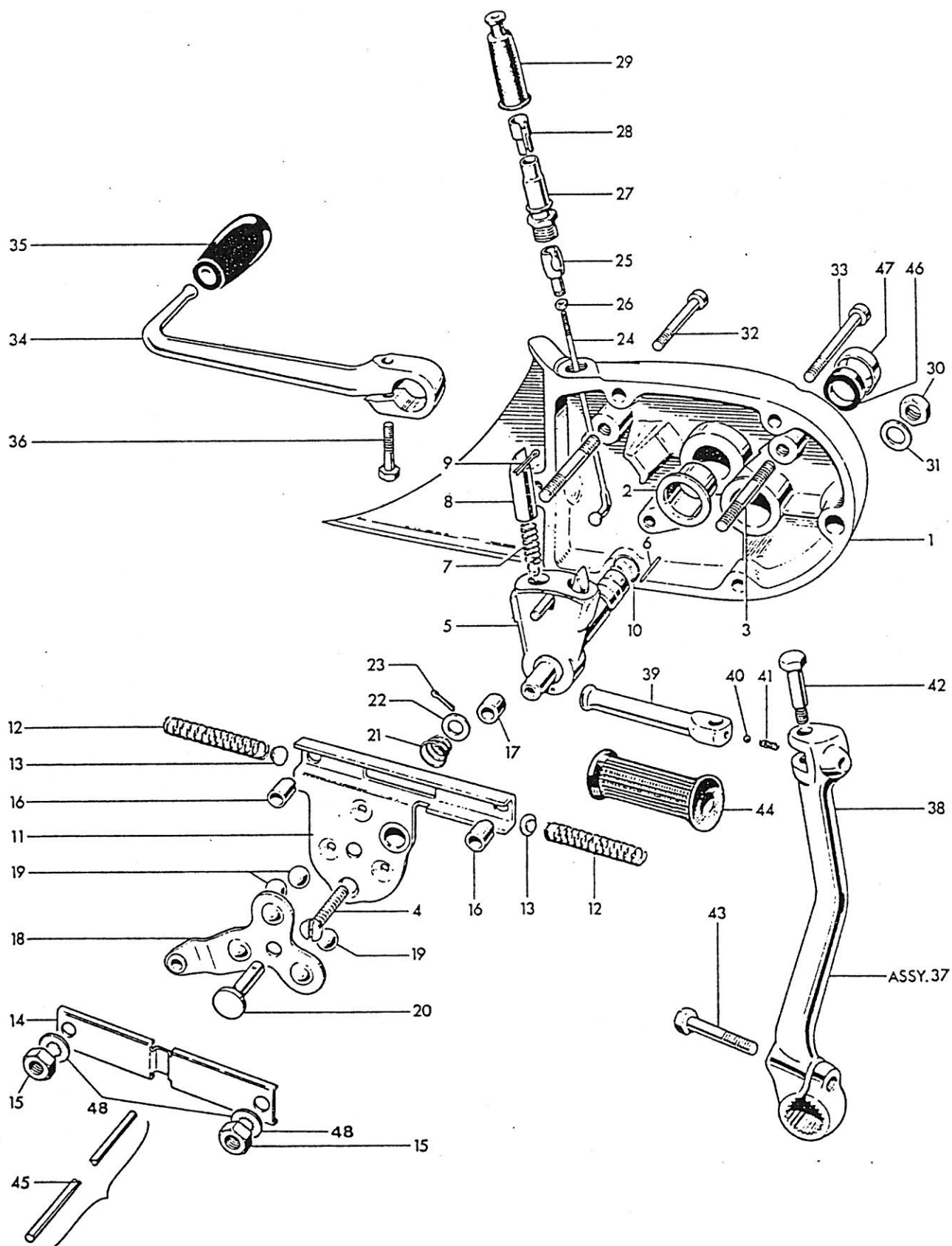


Fig. 10. GEARBOX OUTER COVER AND LEVERS

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

### GEARBOX OUTER COVER AND LEVERS

|    |                              |                                                  |             |            |
|----|------------------------------|--------------------------------------------------|-------------|------------|
| 1  | T3755                        | GEARBOX OUTER COVER...                           | 1           |            |
| 2  | T1395                        | Gearchange spindle bush...                       | 1           |            |
| 3  | S1928                        | Stud ( $1\frac{5}{16}$ in. O.A.)                 | 2           |            |
| 4  | 14-6505                      | Screw ( $\frac{7}{8}$ in. O.A.)                  | 1           |            |
| 5  | T1942                        | GEARCHANGE QUADRANT                              | 1           |            |
| 6  | T1474                        | Spring retaining pin                             | 2           |            |
| 7  | T1436                        | Plunger spring                                   | 2           |            |
| 8  | T1396                        | Selector plunger                                 | 2           |            |
| 9  | 5/64 in. x $\frac{3}{4}$ in. | Split pin                                        | 2           |            |
| 10 | E3309                        | Sealing ring                                     | 1           |            |
| 11 | T1871                        | Return spring housing                            | 1           |            |
| 12 | T1877                        | Return spring                                    | 2           |            |
| 13 | T1878                        | Thrust button                                    | 2           |            |
| 14 | T1977                        | Cover                                            | 1           |            |
| 15 | S1877                        | Nut                                              | 3           |            |
| 16 | T1876                        | Distance piece                                   | 2           |            |
| 17 | T1874                        | Distance piece                                   | 1           |            |
| 18 | T1880                        | Clutch lever                                     | 1           |            |
| 19 | T1771                        | Ball, $\frac{3}{8}$ in. diam.                    | 3           |            |
| 20 | T1710                        | Shaft                                            | 1           |            |
| 21 | T1712                        | Spring                                           | 1           |            |
| 22 | GS127                        | Plain washer                                     | 1           |            |
| 23 | 5/64 in. x $\frac{1}{2}$ in. | Split pin                                        | 1           |            |
| 24 | T1945                        | Spoke                                            | 1           |            |
| 25 | T1946                        | Connector                                        | 1           |            |
| 26 | T1937                        | Nut                                              | 1           |            |
| 27 | T3784                        | Abutment                                         | 1           |            |
| 28 | T2062                        | Adaptor, short                                   | As required |            |
| 28 | T2063                        | Adaptor, long (For cable with short outer cover) | As required |            |
| 29 | T1646                        | Rubber cover                                     | 1           |            |
| 30 | 14-0302                      | Nut                                              | 2           |            |
| 31 | S25-3                        | Plain washer                                     | 2           |            |
| 32 | S1918                        | Screw ( $2\frac{3}{8}$ in. U.H.)                 | 2           |            |
| 33 | S1917                        | Screw ( $2\frac{3}{8}$ in. U.H.)                 | 2           |            |
| 34 | T1435                        | Gearchange lever                                 | 1           |            |
| 35 | T2450                        | Pedal rubber                                     | 1           |            |
| 36 | W932                         | Bolt (1 in. U.H.)                                | 1           |            |
| 37 | T3797                        | KICKSTARTER LEVER COMPLETE                       | 1           |            |
| 38 | T3742                        | Kickstarter crank                                | 1           |            |
| 39 | T1272                        | Kickstarter pedal                                | 1           |            |
| 40 | S70-3                        | Steel ball ( $\frac{1}{4}$ in. diam.)            | 1           |            |
| 41 | T1167                        | Index spring                                     | 1           |            |
| 42 | S541                         | Pivot bolt                                       | 1           |            |
| 43 | S644                         | Clamp bolt ( $1\frac{5}{16}$ in. U.H.)           | 1           |            |
| 44 | T2330                        | Pedal rubber                                     | 1           |            |
| 45 | T1970                        | Clutch operating rod                             | 1           | T90, T100S |
| 46 | T2239                        | Oil seal                                         | 1           |            |
| 47 | T2238                        | Oil seal cover                                   | 1           |            |
| 48 | E1612                        | Serrated washer                                  | 2           |            |



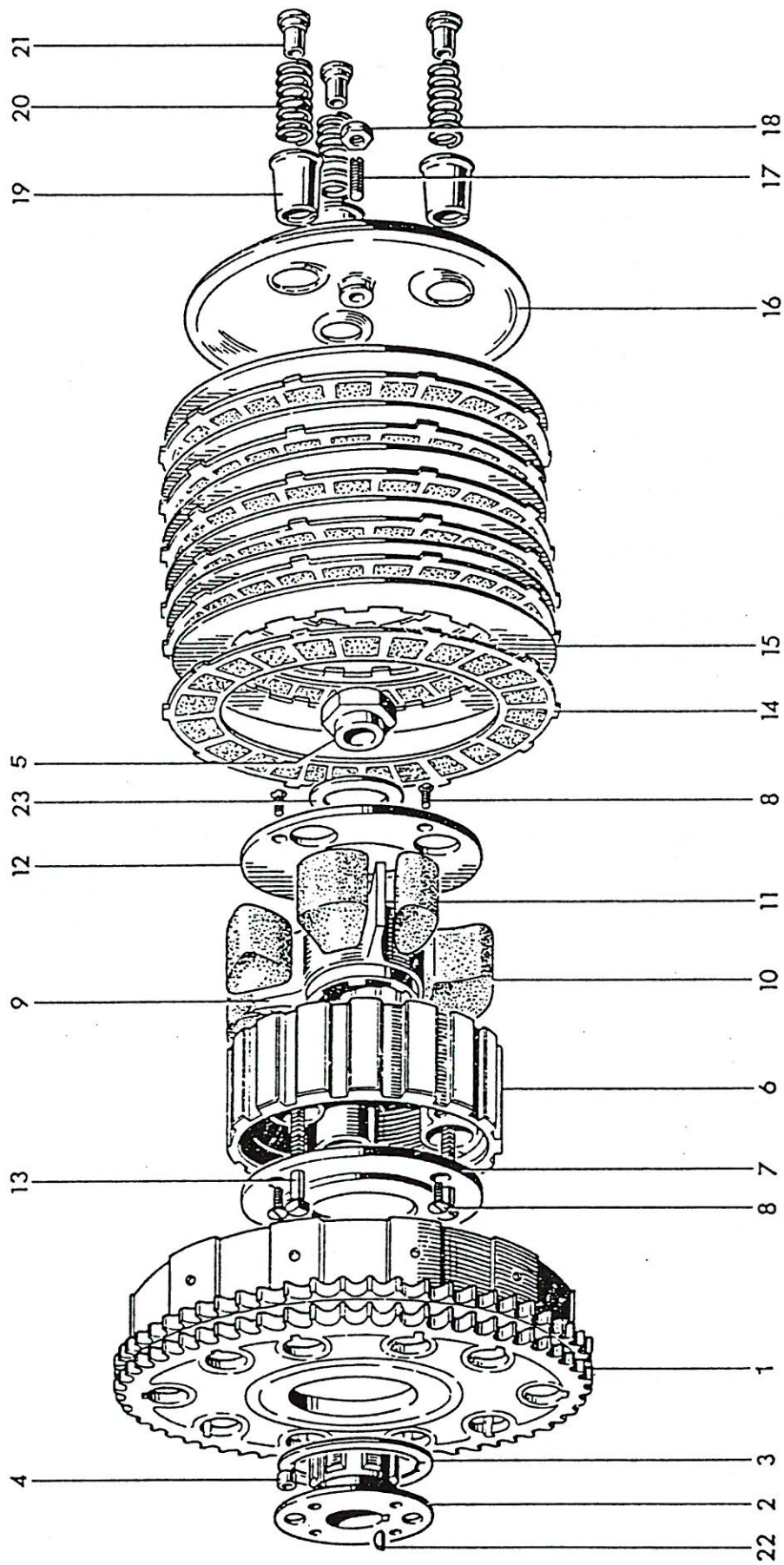


Fig. 11. CLUTCH

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

### CLUTCH

|    |         |                                                 |    |  |
|----|---------|-------------------------------------------------|----|--|
| 1  | T1570   | Sprocket and housing ... ..                     | 1  |  |
| 2  | T1751   | Hub ... ..                                      | 1  |  |
| 3  | T1735   | Thrust washer ... ..                            | 1  |  |
| 4  | T394    | Roller ... ..                                   | 20 |  |
| 5  | S586    | Nut ... ..                                      | 1  |  |
| 6  | T1719   | Centre (Shock absorber body) ... ..             | 1  |  |
| 7  | T1720   | Inner plate ... ..                              | 1  |  |
| 8  | T1040   | Countersunk screw (0.417 in. U.H.) ... ..       | 6  |  |
| 9  | T2538   | Shock absorber spider ... ..                    | 1  |  |
| 10 | T1722   | Drive rubber (large) ... ..                     | 3  |  |
| 11 | T1723   | Rebound rubber (small) ... ..                   | 3  |  |
| 12 | T1724   | Outer plate ... ..                              | 1  |  |
| 13 | T423A   | Screwed pin ( $1\frac{17}{32}$ in. U.H.) ... .. | 3  |  |
| 14 | T1362   | Driving plate (bonded) ... ..                   | 6  |  |
| 15 | T1363   | Driven plate (plain) ... ..                     | 6  |  |
| 16 | T2156   | Pressure plate ... ..                           | 1  |  |
| 17 | T2159   | Adjuster pin ... ..                             | 1  |  |
| 18 | 14-0403 | Nut ... ..                                      | 3  |  |
| 19 | T1931   | Spring cup ... ..                               | 3  |  |
| 20 | T1560   | Spring ... ..                                   | 3  |  |
| 21 | T2526   | Nut ... ..                                      | 1  |  |
| 22 | S66-1   | Key ... ..                                      | 1  |  |
| 23 | T2279   | Washer ... ..                                   | 1  |  |

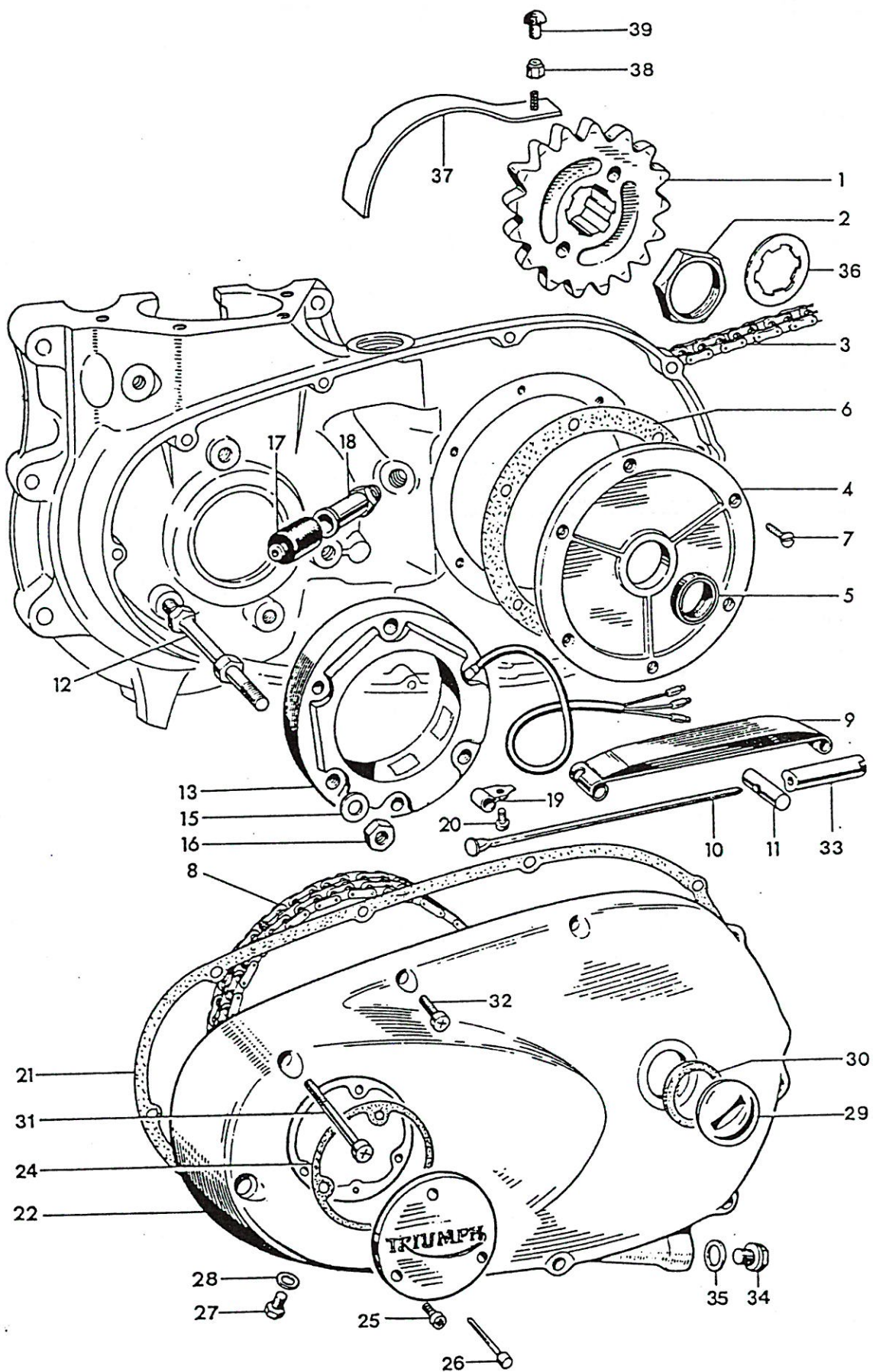


Fig. 12. CHAINCASE AND CHAINS



| Ref. No.             | Part No. | DESCRIPTION                                                  | QUANTITY  | REMARKS                       |
|----------------------|----------|--------------------------------------------------------------|-----------|-------------------------------|
| CHAINCASE AND CHAINS |          |                                                              |           |                               |
| 1                    | T1558    | Gearbox sprocket (17 teeth) ...                              | 1         | T90                           |
| 1                    | T1476    | Gearbox sprocket (18 teeth) ...                              | 1         | T100S, T100C, T100T,<br>T100R |
| 1                    | T1476/19 | Gearbox sprocket (19 teeth) ...                              | Available |                               |
| 1                    | T1569    | Gearbox sprocket (20 teeth) ...                              | Available |                               |
| 2                    | T2536    | Gearbox sprocket nut ...                                     | 1         |                               |
| 3                    | D444     | Rear chain, $\frac{5}{8}$ in. x $\frac{3}{8}$ in. x 102L ... | 1         |                               |
| 3                    | D481     | Rear chain, $\frac{5}{8}$ in. x $\frac{3}{8}$ in. x 103L ... | 1         |                               |
| 4                    | E7037    | Cover plate ...                                              | 1         |                               |
| 5                    | E7565    | Oil seal ...                                                 | 1         |                               |
| 6                    | E3832    | Joint washer ...                                             | 1         |                               |
| 7                    | E3821    | Countersunk screw ( $\frac{5}{16}$ in. U.H.) ...             | 6         |                               |
| 8                    | D358     | Primary chain, $\frac{3}{8}$ in. Duplex 78L ...              | 1         |                               |
| 9                    | E6283    | Chain tensioner blade ...                                    | 1         |                               |
| 10                   | E4152    | Tie rod ...                                                  | 1         |                               |
| 11                   | E4148    | Trunnion ...                                                 | 1         |                               |
| 12                   | E9495    | Stud ( $3\frac{5}{16}$ in. O.A.) ...                         | 3         |                               |
| 13                   | 99-1006  | Stator, RM 21 (47205) ...                                    | 1         |                               |
| 14                   | E1612    | Serrated washer ...                                          | 1         |                               |
| 15                   | S25-3    | Plain washer ...                                             | 3         |                               |
| 16                   | 14-0702  | Nut ...                                                      | 3         |                               |
| 17                   | E4144    | Rubber grommet ...                                           | 2         |                               |
| 18                   | E8992    | Sleeve nut ...                                               | 1         |                               |
| 19                   | E1509    | Clip ...                                                     | 1         |                               |
| 20                   | S1920    | Setscrew ( $\frac{1}{4}$ in. U.H.) ...                       | 1         |                               |
| 21                   | E4156    | Joint washer ...                                             | 1         |                               |
| 22                   | E9249    | Chaincase ...                                                | 1         |                               |
| 23                   | T2440    | Rotor cover ...                                              | 1         |                               |
| 24                   | T2442    | Joint washer ...                                             | 1         |                               |
| 25                   | 14-6505  | Screw ...                                                    | 3         |                               |
| 26                   | T2537    | Ignition pointer ...                                         | 1         |                               |
| 27                   | 14-6101  | Level plug ...                                               | 1         |                               |
| 28                   | E2441    | Copper washer ...                                            | 2         |                               |
| 29                   | T2166    | Filler plug ...                                              | 1         |                               |
| 30                   | E8782    | Fibre washer ...                                             | 1         |                               |
| 31                   | S1878    | Screw ( $2\frac{3}{4}$ in. U.H.) ...                         | 3         |                               |
| 32                   | 14-6609  | Screw ( $1\frac{5}{16}$ in. U.H.) ...                        | 7         |                               |
| 33                   | E9703    | Adjuster sleeve nut ...                                      | 1         |                               |
| 34                   | T2259    | Drain plug ...                                               | 1         |                               |
| 35                   | T1738    | Fibre washer ...                                             | 1         |                               |
| 36                   | T2056    | Tab washer ...                                               | 1         |                               |
| 37                   | E7571    | Crankcase protector ...                                      | 1         | T100S, T100C, T100R,<br>T100T |
| 38                   | 14-1301  | Self-locking nut ...                                         | 1         |                               |
| 39                   | E7573    | Grommet ...                                                  | 1         |                               |

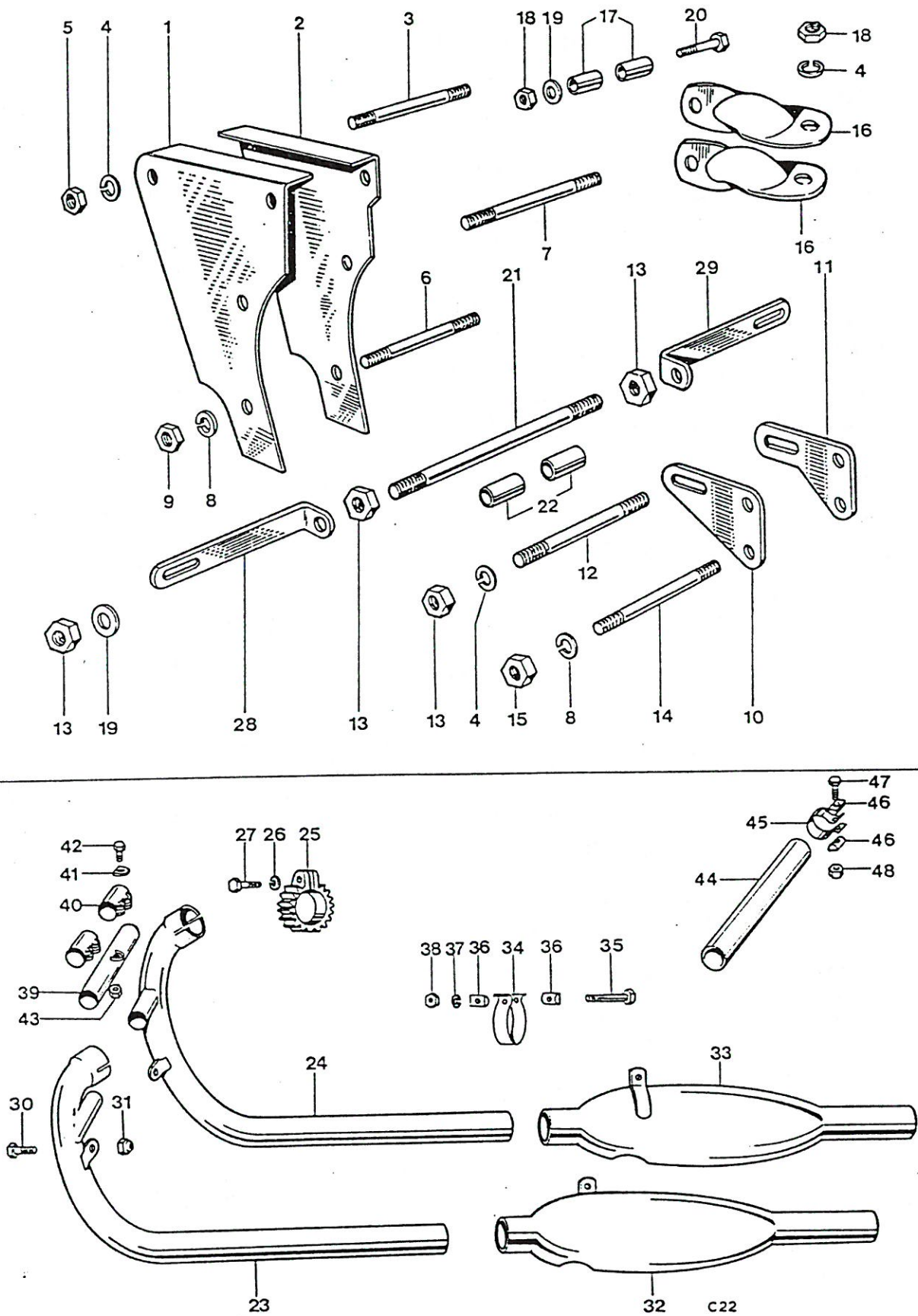


Fig. 13. ENGINE FITTINGS AND EXHAUST SYSTEM

## ENGINE FITTINGS AND EXHAUST SYSTEM

|    |         |                                  |   |                                             |
|----|---------|----------------------------------|---|---------------------------------------------|
| 1  | F7333   | Left front engine plate...       | 1 |                                             |
| 2  | F7334   | Right front engine plate         | 1 |                                             |
| 3  | F9266   | Stud (4 $\frac{3}{8}$ in. O.A.)  | 1 |                                             |
| 4  | S26-1   | Spring washer                    | 8 |                                             |
| 5  | PO172A  | Nut                              | 2 |                                             |
| 6  | E3804   | Stud (3 in. O.A.)                | 2 | (3 T100C)                                   |
| 7  | E7645   | Stud ( $\frac{5}{8}$ in. O.A.)   | 1 | (Not T100C)                                 |
| 8  | S26-3   | Spring washer                    | 8 |                                             |
| 9  | S1-51   | Nut                              | 3 |                                             |
| 10 | F4229   | Left rear engine plate           | 1 |                                             |
| 11 | F4230   | Right rear engine plate          | 1 |                                             |
| 12 | F3665   | Stud (4 $\frac{1}{2}$ in. O.A.)  | 1 |                                             |
| 13 | PO172A  | Nut                              | 6 |                                             |
| 14 | E3695   | Stud (4 $\frac{5}{16}$ in. O.A.) | 2 |                                             |
| 15 | 14-0302 | Nut                              | 5 |                                             |
| 16 | E4778   | Torque stay                      | 2 |                                             |
| 17 | E7119   | Distance piece                   | 1 |                                             |
| 18 | 14-0302 | Nut                              | 2 |                                             |
| 19 | F5532   | Plain washer                     | 2 |                                             |
| 20 | 14-0220 | Bolt (1 $\frac{1}{16}$ in. U.H.) | 1 |                                             |
| 21 | E3812   | Stud (7 $\frac{1}{16}$ in. O.A.) | 1 |                                             |
| 22 | F4197   | Distance piece                   | 2 |                                             |
| 23 | E9662   | Left exhaust pipe                | 1 | T100S, T100T, T100R                         |
| 24 | E9663   | Right exhaust pipe               | 1 | T100S, T100T, T100R                         |
| 23 | E7637   | Left exhaust pipe                | 1 | T90                                         |
| 24 | E7638   | Right exhaust pipe               | 1 | T90                                         |
| 25 | E4947   | Finned clip                      | 2 |                                             |
| 26 | E410A   | Hemispherical washer             | 2 |                                             |
| 27 | E409    | Bolt (1 $\frac{3}{16}$ in. U.H.) | 2 |                                             |
| 28 | E7641   | Left bracket                     | 1 |                                             |
| 29 | E7642   | Right bracket                    | 1 |                                             |
| 30 | E6179   | Bolt ( $\frac{5}{8}$ in. U.H.)   | 2 |                                             |
| 31 | E7471   | Self-lock nut                    | 2 |                                             |
| 32 | E4157   | Left silencer (muffler)          | 1 | } T100R, T100T,<br>T100S, T90               |
| 33 | E4158   | Right silencer (muffler)         | 1 |                                             |
| 34 | E2271   | Clip                             | 2 |                                             |
| 35 | 14-0219 | Bolt (1 $\frac{3}{4}$ in. U.H.)  | 2 |                                             |
| 36 | E3768   | "D" washer                       | 4 |                                             |
| 37 | S26-3   | Spring washer                    | 2 |                                             |
| 38 | S1908   | Nut                              | 2 |                                             |
| 39 | E9368   | Coupling pipe                    | 1 |                                             |
| 40 | E9627   | Clip assembly                    | 2 |                                             |
| 41 | E9626   | Cap                              | 8 |                                             |
| 42 | 14-0204 | Bolt                             | 4 |                                             |
| 43 | 14-0301 | Nut                              | 4 |                                             |
| 44 | E9888   | Coupling pipe                    | 1 | } Alternative parts used<br>on later models |
| 45 | E7512   | Clip                             | 2 |                                             |
| 46 | E3768   | "D" washers                      | 4 |                                             |
| 47 | 14.0219 | Bolt                             | 2 |                                             |
| 48 | 14.0302 | Nut                              | 2 |                                             |



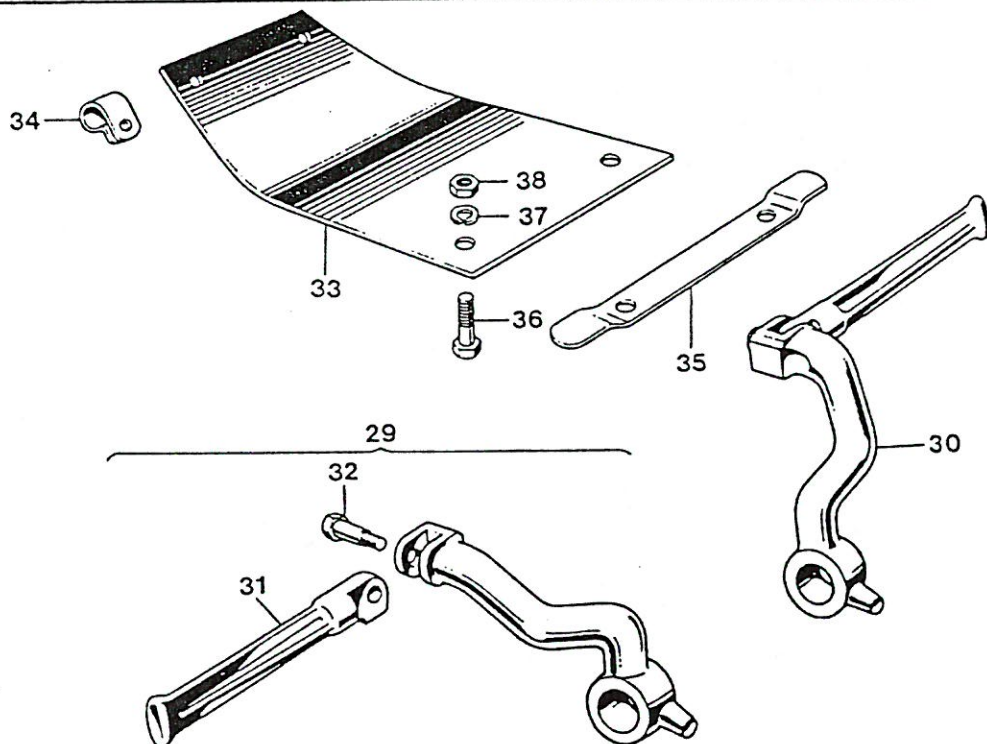
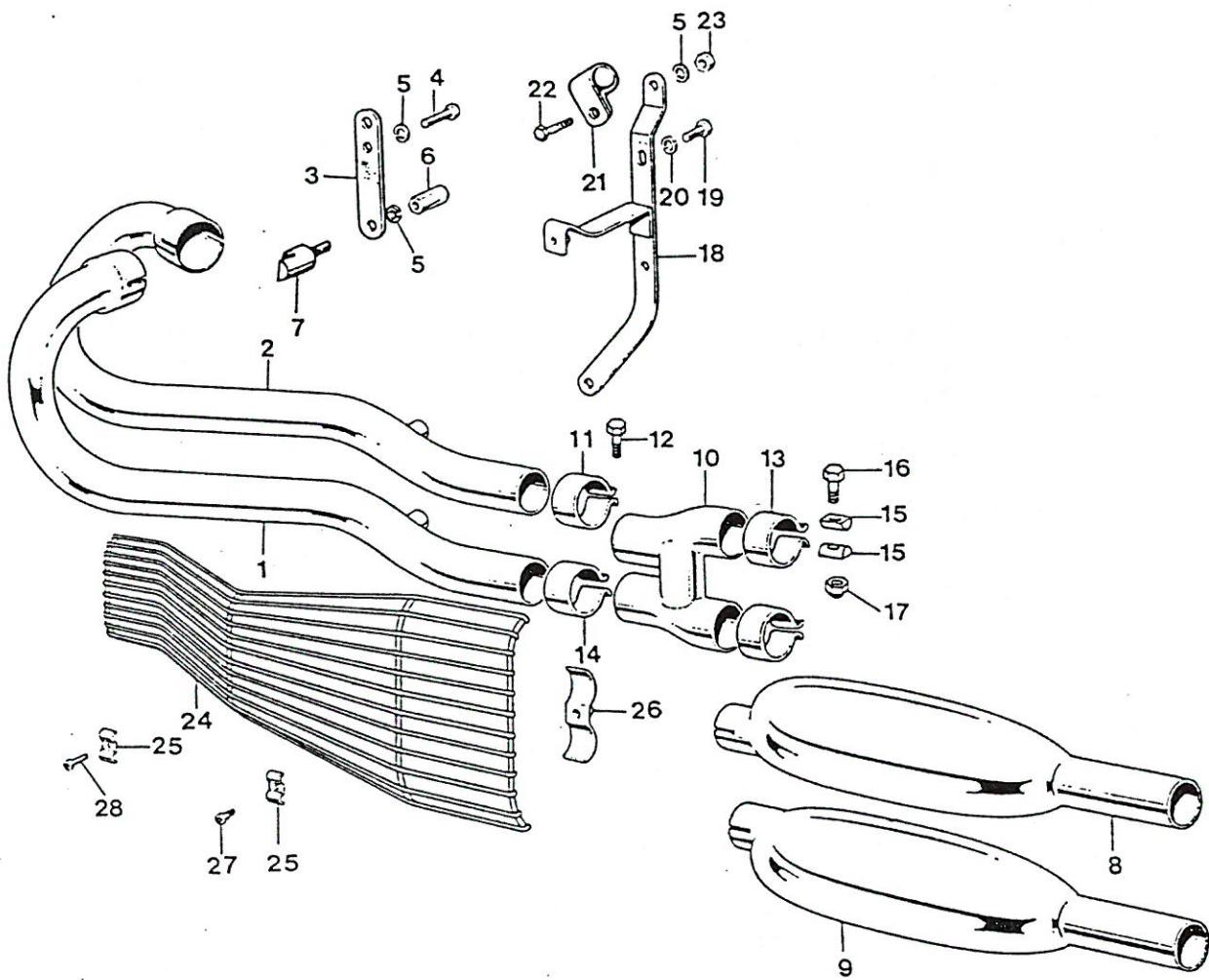


Fig. 14. EXHAUST PIPES, UNDERSHIELD AND FOOTPEGS (T100C)

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

# EXHAUST PIPES, UNDERSHIELD AND FOOTPEG (T100C)

|    |         |                                                 |   |                 |
|----|---------|-------------------------------------------------|---|-----------------|
| 1  | E10019  | Exhaust pipe D.S. lower                         | 1 |                 |
| 2  | E10017  | Exhaust pipe T.S. upper                         | 1 |                 |
| 3  | E6981   | Stay                                            | 1 |                 |
| 4  | 14-0114 | Bolt ( $\frac{3}{4}$ in. U.H.)                  | 2 |                 |
| 5  | S26-3   | Washer                                          | 3 |                 |
| 6  | 14-0302 | Nut                                             | 1 |                 |
| 7  | F7705   | Abutment                                        | 1 |                 |
| 8  | E9669   | Silencer upper                                  | 1 |                 |
| 9  | E9670   | Silencer lower                                  | 1 |                 |
| 10 | E9673   | Connector                                       | 1 |                 |
| 11 | E7299   | Clip                                            | 1 |                 |
| 12 | 14-0116 | Bolt                                            | 1 |                 |
| 13 | E2271   | Clip                                            | 2 |                 |
| 14 | E5874   | Clip                                            | 1 |                 |
| 15 | E3768   | "D" washer                                      | 6 |                 |
| 16 | 14-0219 | Bolt                                            | 3 |                 |
| 17 | S1908   | Nut                                             | 3 |                 |
| 18 | E9691   | Bracket (silencer to frame)                     | 1 |                 |
| 19 | F929    | Bolt                                            | 1 |                 |
| 20 | S26-3   | Spring washer                                   | 2 |                 |
| 21 | F7550   | Clip, bracket to frame                          | 1 |                 |
| 22 | 14-0114 | Bolt, clip to bracket ( $\frac{3}{4}$ in. U.H.) | 1 |                 |
| 23 | 14-0302 | Nut                                             | 1 |                 |
| 24 | E9680   | Leg guard                                       | 1 |                 |
| 25 | E9688   | Clip                                            | 2 |                 |
| 26 | E9696   | Bracket                                         | 1 |                 |
| 27 | S1954   | Short screw                                     | 1 |                 |
| 28 | S1953   | Long screw ( $1\frac{1}{4}$ in. U.H.)           | 1 |                 |
| 29 | F7018   | LEFT FOLDING FOOTPEG                            | 1 |                 |
| 30 | F7019   | RIGHT FOLDING FOOTPEG                           | 1 |                 |
| 31 | F6411   | Pedal                                           | 2 |                 |
| 32 | F6655   | Pivot bolt                                      | 2 |                 |
| 33 | F7390   | Undershield                                     | 1 |                 |
| 34 | F1700   | Clip, undershield                               | 2 |                 |
| 35 | F3078   | Bracket                                         | 1 |                 |
| 36 | 14-0102 | Bolt ( $\frac{5}{8}$ in. U.H.)                  | 4 |                 |
| 37 | S16-2   | Washer                                          | 4 |                 |
| 38 | 14-0301 | Nut                                             | 4 |                 |
| —  | E9857   | Washer (for lines 27 and 28)                    | 2 | Not illustrated |

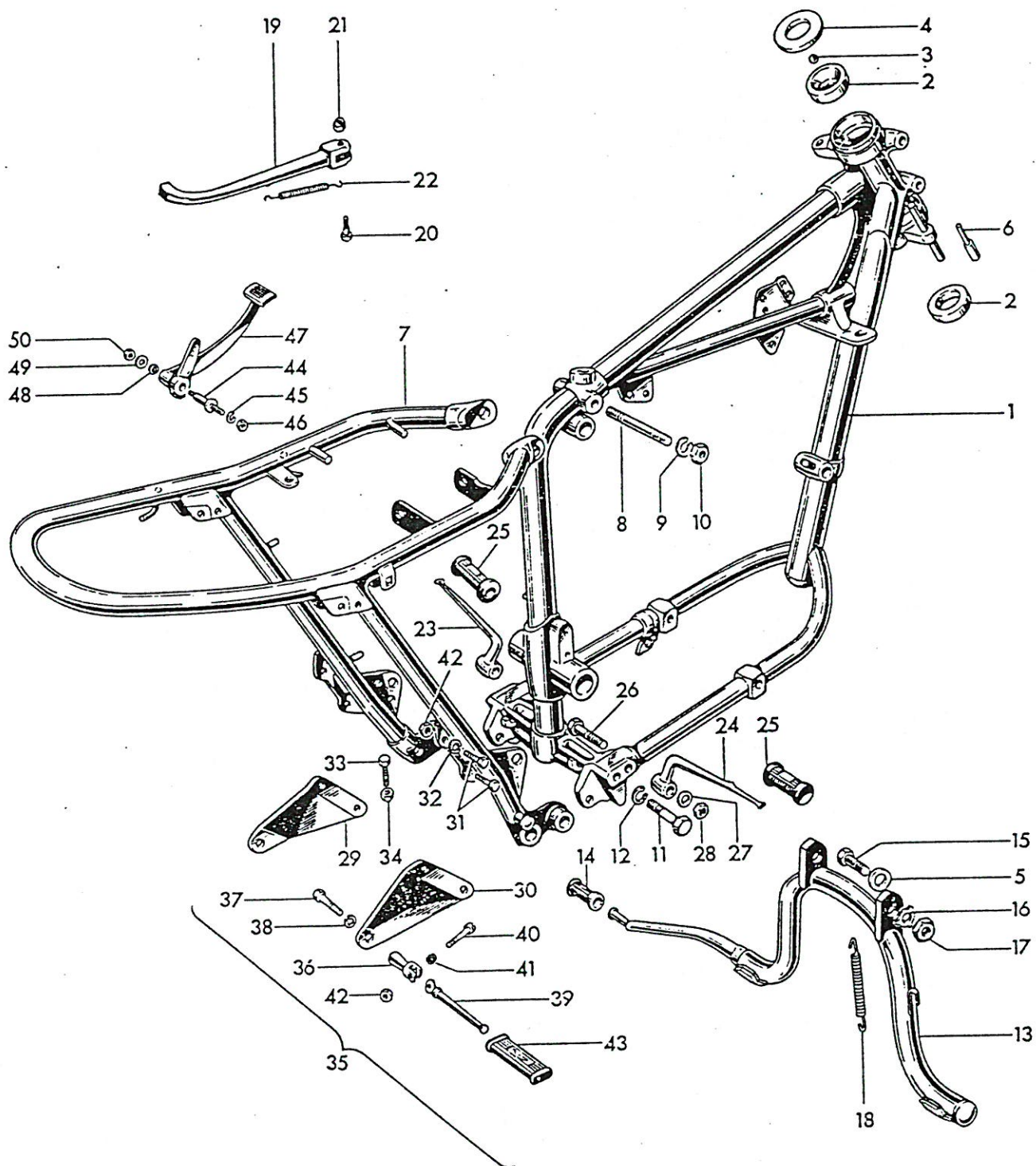


Fig. 15. FRAME



| Ref. No. | Part No. | DESCRIPTION                                 | QUANTITY | REMARKS |
|----------|----------|---------------------------------------------|----------|---------|
| FRAME    |          |                                             |          |         |
| 1        | F10034   | Front frame ... ..                          | 1        |         |
| 2        | H111     | Steering race cup ... ..                    | 2        |         |
| 3        | S70-3    | Steel ball ( $\frac{1}{4}$ in. dia.) ... .. | 40       |         |
| 4        | H1018    | Top cone and dust cover ... ..              | 1        |         |
| 5        | F5679    | Washer ... ..                               | 2        |         |
| 6        | F7155    | Steering stops ... ..                       | 2        |         |
| 7        | F8038    | Rear frame ... ..                           | 1        |         |
| 8        | S1801    | Stud ( $3\frac{7}{8}$ in. O.A.) ... ..      | 1        |         |
| 9        | S26-1    | Spring washer ... ..                        | 2        |         |
| 10       | 14-0303  | Nut ... ..                                  | 2        |         |
| 11       | 14-0115  | Bolt ... ..                                 | 2        |         |
| 12       | PCW73A   | Spring washer ... ..                        | 2        |         |
| 13       | F7693    | Centre stand ... ..                         | 1        | T100R   |
| 13       | F7692    | Centre stand ... ..                         | 1        |         |
| 14       | T2331    | Pedal rubber ... ..                         | 1        |         |
| 15       | F5678    | Pivot bolt ... ..                           | 2        |         |
| 16       | F4484    | Tab washer ... ..                           | 2        |         |
| 17       | F2725    | Nut ... ..                                  | 2        |         |
| 18       | F3617    | Return spring ... ..                        | 1        |         |
| 19       | F7849    | Prop stand ... ..                           | 1        |         |
| 20       | F7021    | Pivot bolt ... ..                           | 1        |         |
| 21       | 14-0703  | Self-locking nut ... ..                     | 1        |         |
| 22       | F8382    | Return spring ... ..                        | 1        |         |
| 23       | F4214    | Left footrest ... ..                        | 1        |         |
| 24       | F4215    | Right footrest ... ..                       | 1        |         |
| 25       | NF704    | Pedal rubber ... ..                         | 2        |         |
| 26       | 14-0251  | Bolt ( $2\frac{1}{16}$ in. U.H.) ... ..     | 2        |         |
| 27       | F4370    | Plain washer ... ..                         | 2        |         |
| 28       | 14-0304  | Nut ... ..                                  | 2        |         |
| 29       | F5087    | Left pillion footrest support ... ..        | 1        |         |
| 30       | F5088    | Right pillion footrest support ... ..       | 1        |         |
| 31       | 14-0115  | Bolt ( $3\frac{7}{8}$ in. U.H.) ... ..      | 4        |         |
| 32       | S26-3    | Spring washer ... ..                        | 4        |         |
| 33       | F7705    | Pedal stop screw ... ..                     | 1        |         |
| 34       | 14-0302  | Nut ... ..                                  | 2        |         |
| 35       | F9369    | PILLION FOOTREST ... ..                     | 2        |         |
| 36       | F9370    | Footrest hanger ... ..                      | 2        |         |
| 37       | S1910    | Bolt ( $\frac{1}{16}$ in. U.H.) ... ..      | 2        |         |
| 38       | S26-1    | Spring washer ... ..                        | 2        |         |
| 39       | F1694    | Pedal ... ..                                | 2        |         |
| 40       | F9371    | Pivot bolt ... ..                           | 2        |         |
| 41       | F2277    | Spring washer ... ..                        | 2        |         |
| 42       | 14-0302  | Nut ... ..                                  | 6        |         |
| 43       | F1695    | Pedal rubber ... ..                         | 2        |         |
| 44       | F7706    | Brake pedal spindle ... ..                  | 1        |         |
| 45       | SCZ45    | Spring washer ... ..                        | 1        |         |
| 46       | 14-0405  | Nut ... ..                                  | 1        |         |
| 47       | F7703    | Brake pedal ... ..                          | 1        |         |
| 48       | S26-16   | Spring washer ... ..                        | 1        |         |
| 49       | S25-2    | Plain washer ... ..                         | 1        |         |
| 50       | 14-0403  | Nut ... ..                                  | 1        |         |



| Ref. No.                                              | Part No.                               | DESCRIPTION                                        | QUANTITY    | REMARKS           |
|-------------------------------------------------------|----------------------------------------|----------------------------------------------------|-------------|-------------------|
| <b>SWINGING FORK, SUSPENSION UNITS AND CHAINGUARD</b> |                                        |                                                    |             |                   |
| 1                                                     | F7375                                  | SWINGING FORK ... ..                               | 1           |                   |
| 2                                                     | F4076                                  | Pivot bush ... ..                                  | 2           |                   |
| 3                                                     | F7342                                  | Spindle ... ..                                     | 1           |                   |
| 4                                                     | F7270                                  | Gaiter ... ..                                      | 2           |                   |
| 5                                                     | F4385                                  | Shim 0.003 in. ... ..                              | As required |                   |
| 5                                                     | F4386                                  | Shim 0.005 in. ... ..                              | As required |                   |
| 6                                                     | F10037                                 | Left distance piece ... ..                         | 1           |                   |
| 7                                                     | S579                                   | Left bolt ... ..                                   | 1           |                   |
| 8                                                     | S580                                   | Right bolt ... ..                                  | 1           |                   |
| 9                                                     | D2023                                  | SUSPENSION UNIT (64052106) ... ..                  | 2           | T90, T100S, T100T |
| 9                                                     | D2024                                  | SUSPENSION UNIT (64052107) ... ..                  | 2           | T100C, T100R      |
| 10                                                    | 99-0122                                | Bonded bush (64533645) ... ..                      | 4           |                   |
| 11                                                    | 99-0107                                | Spring retainer (9054/171) ... ..                  | 4           |                   |
| 12                                                    | 99-1047                                | Spring, 145 lbs. chrome (64544234) ... ..          | 2           | T90, T100S, T100T |
| 12                                                    | 99-1048                                | Spring, 100 lbs. chrome (64543708) ... ..          | 2           | T100C, T100R      |
| 13                                                    | 14-0235                                | Unit fixing bolt ( $1\frac{1}{8}$ in. U.H.) ... .. | 4           |                   |
| 14                                                    | F2184                                  | Plain washer ... ..                                | 2           |                   |
| 15                                                    | S26-1                                  | Spring washer .. ..                                | 2           |                   |
| 16                                                    | 14-0303                                | Nut ... ..                                         | 1           |                   |
| 17                                                    | F3808                                  | Clip ... ..                                        | 1           |                   |
| 18                                                    | 14-0102                                | Bolt ... ..                                        | 1           |                   |
| 19                                                    | F9753                                  | Chainguard ... ..                                  | 1           |                   |
| 20                                                    | DS57                                   | Bolt ( $\frac{7}{16}$ in. U.H.) ... ..             | 2           |                   |
| 21                                                    | S26-2                                  | Spring washer ... ..                               | 1           |                   |
| 22                                                    | F4134                                  | Front bracket ... ..                               | 1           |                   |
| 23                                                    | 14-0113                                | Bolt ( $\frac{9}{16}$ in. U.H.) ... ..             | 2           |                   |
| 24                                                    | F7343                                  | Tab washer ... ..                                  | 1           |                   |
| 25                                                    | NVW100                                 | Lubricator ... ..                                  | 1           |                   |
| 26                                                    | 14-0702                                | Self-locking nut ... ..                            | 1           |                   |
| 27                                                    | F9387                                  | Stepped bolt ... ..                                | 1           |                   |
| 28                                                    | S25-3                                  | Plain washer ... ..                                | 1           |                   |
| 29                                                    | 14-0302                                | Nut ... ..                                         | 1           |                   |
| 30                                                    | 14-0401                                | Nut U.N. ... ..                                    | 1           |                   |
| 31                                                    | S581                                   | Bolt ... ..                                        | 1           |                   |
| 32                                                    | E2288                                  | Serrated washer ... ..                             | 1           |                   |
| 33                                                    | DS47                                   | Nut ... ..                                         | 1           |                   |
| 34                                                    | PCW73A                                 | Spring washer ... ..                               | 1           |                   |
| 35                                                    | W3450                                  | Brake operating rod ... ..                         | 1           |                   |
| 36                                                    | $\frac{1}{16}$ in. x $\frac{1}{2}$ in. | Split pin ... ..                                   | 1           |                   |
| 37                                                    | F7387                                  | Adjuster nut ... ..                                | 1           |                   |
| 38                                                    | F7290                                  | Brake torque stay ... ..                           | 1           |                   |
| 39                                                    | F6046                                  | Front chainguard ... ..                            | 1           |                   |
| 40                                                    | DS57                                   | Bolt ... ..                                        | 1           |                   |
| 41                                                    | E1612                                  | Serrated washer ... ..                             | 1           |                   |
| 42                                                    | 14-0301                                | Nut U.N. ... ..                                    | 1           |                   |
| 43                                                    | 99-0725                                | Stop lamp switch (54033234) ... ..                 | 1           |                   |
| 44                                                    | F3158                                  | Spring (315738) ... ..                             | 3           |                   |
| 45                                                    | T1076                                  | Bolt ( $\frac{3}{8}$ in. U.H.) ... ..              | 5           |                   |
| 46                                                    | F4717                                  | Self-locking nut ... ..                            | 1           |                   |
| 47                                                    | F5142                                  | Lever ... ..                                       | 1           |                   |
| 48                                                    | F5413                                  | "D" washer ... ..                                  | 1           |                   |
| 49                                                    | F7774                                  | Right distance piece ... ..                        | 1           |                   |
| 50                                                    | 14-0702                                | Nut ... ..                                         | 1           |                   |
| 51                                                    | F4078                                  | Thrust washer ... ..                               | 1           |                   |



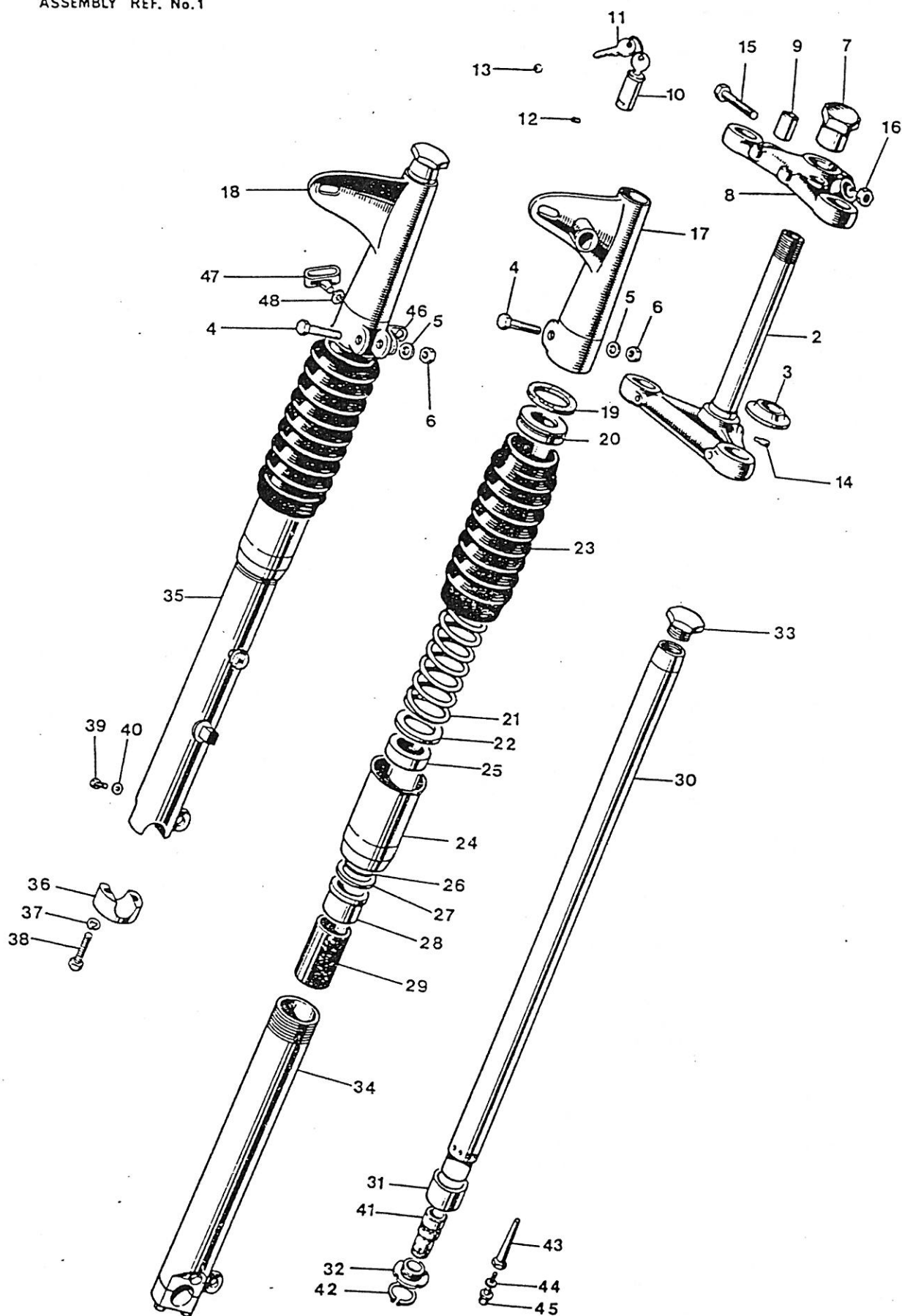


Fig. 17. TELESCOPIC FRONT FORK

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

# TELESCOPIC FRONT FORK T90, T100S, T100T

|    |         |                                       |   |                                      |
|----|---------|---------------------------------------|---|--------------------------------------|
| 1  | H3656   | FORK ASSEMBLY                         | 1 |                                      |
| 2  | H3659   | Middle lug and stem                   | 1 |                                      |
| 3  | H439    | Bottom cone                           | 1 |                                      |
| 4  | H3290   | Pinch bolt (2 $\frac{1}{4}$ in. U.H.) | 2 |                                      |
| 5  | S25-2   | Plain washer                          | 2 |                                      |
| 6  | 14.1303 | Cleaveloc nut                         | 2 |                                      |
| 7  | H2108   | Fork stem sleeve nut                  | 1 |                                      |
| 8  | H3667   | Top lug                               | 2 |                                      |
| 9  | H1527   | Bonded bush                           | 2 |                                      |
| 10 | F6738   | Lock c/w 2 keys                       | 1 |                                      |
| 11 | D623    | Key (state serial number)             | 1 | Key no's run from<br>EJR 1 to EJR 50 |
| 12 | S578    | Grub screw                            | 1 |                                      |
| 13 | H2266   | Sealing washer                        | 1 |                                      |
| 14 | H2107   | Locating pin                          | 1 |                                      |
| 15 | S684    | Pinch bolt (1 $\frac{5}{8}$ in. U.H.) | 1 |                                      |
| 16 | S685    | Seated nut                            | 1 |                                      |
| 17 | H2161   | Left top cover                        | 1 |                                      |
| 18 | H2162   | Right top cover                       | 1 |                                      |
| 19 | F4047   | Cork washer                           | 2 |                                      |
| 20 | H1657   | Spring abutment                       | 2 |                                      |
| 21 | H1891   | Main spring (Yellow/Blue)             | 2 |                                      |
| 22 | H1656   | Plain washer                          | 2 |                                      |
| 23 | H3635   | Telescopic gaiter                     | 2 |                                      |
| 24 | H3633   | DUST EXCLUDER SLEEVE NUT              | 2 |                                      |
| 25 | H1500   | Oil seal                              | 2 |                                      |
| 26 | H2119   | "O" ring                              | 2 |                                      |
| 27 | H431    | Plain washer                          | 2 |                                      |
| 28 | H441    | Top bearing                           | 2 |                                      |
| 29 | H1896   | Damping sleeve                        | 2 |                                      |
| 30 | H2092   | STANCHION                             | 2 |                                      |
| 31 | H443    | Lower bearing                         | 2 |                                      |
| 32 | H2091   | Bearing nut                           | 2 |                                      |
| 33 | H2245   | Cap nut                               | 1 |                                      |
| 34 | H2294   | LEFT BOTTOM MEMBER c/w CAP            | 1 |                                      |
| 35 | H2295   | RIGHT BOTTOM MEMBER c/w CAP           | 2 |                                      |
| 36 | H1844   | Spindle cap                           | 4 |                                      |
| 37 | S26-3   | Spring washer                         | 4 |                                      |
| 38 | 14.0218 | Cap bolt (1 $\frac{9}{16}$ in. U.H.)  | 2 |                                      |
| 39 | H519    | Drain plug                            | 2 |                                      |
| 40 | H430    | Sealing washer                        | 2 |                                      |
| 41 | H2154   | Shuttle valve                         | 2 |                                      |
| 42 | H2127   | Circlip                               | 2 |                                      |
| 43 | H2090   | Restrictor                            | 2 |                                      |
| 44 | H1062   | Aluminium washer                      | 2 |                                      |
| 45 | H2126   | Flanged bolt                          | 1 |                                      |
| 46 | H3682   | Bracket                               | 1 |                                      |
| 47 | H2270   | Cable retainer                        | 1 |                                      |
| 48 | F8245   | Starlock washer                       | 1 |                                      |

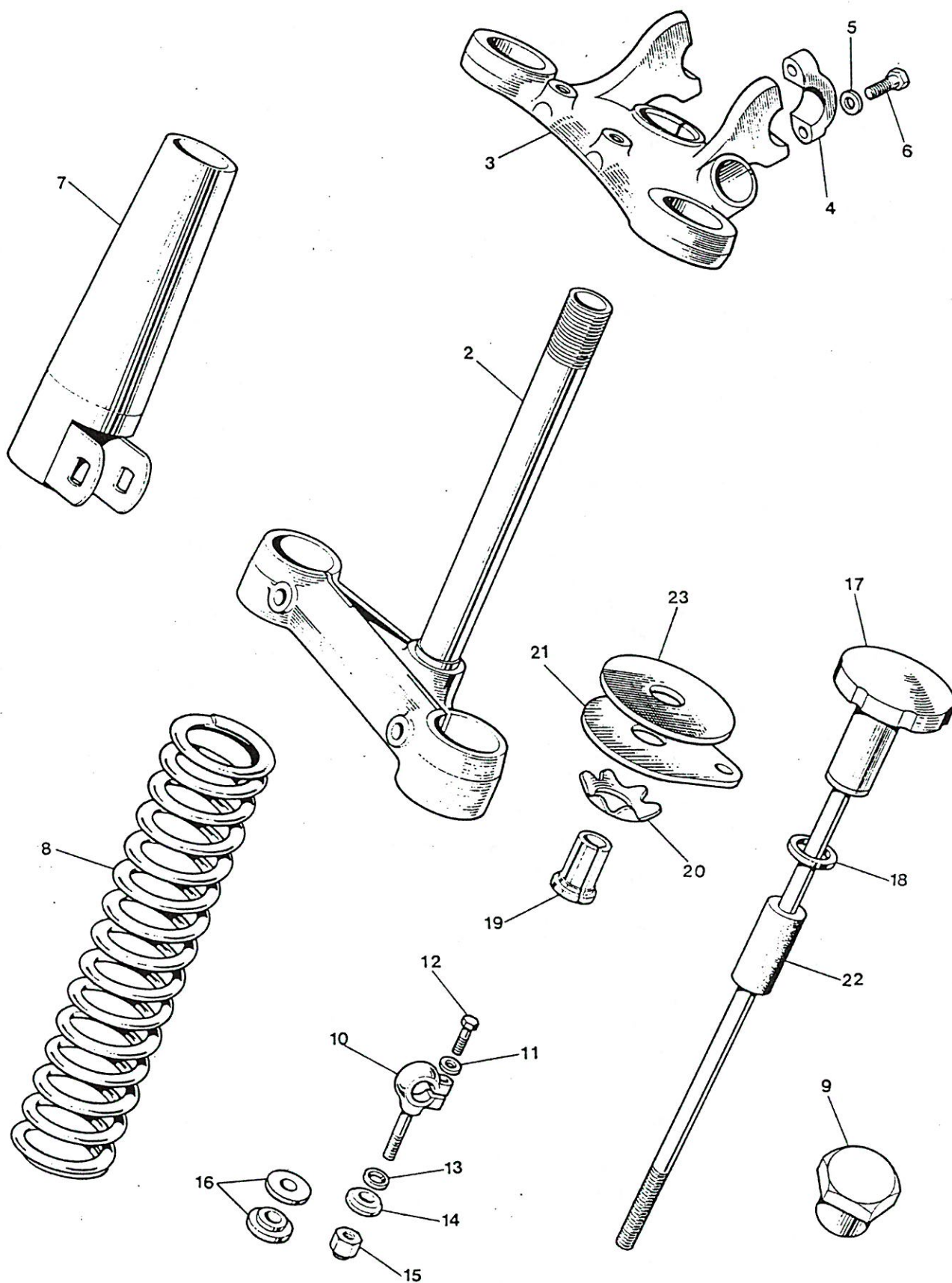


Fig. 18. T100C AND T100R FORK PARTS AND STEERING DAMPER



### T100C AND T100R FORK PARTS AND STEERING DAMPER

|   |       |                                        |                                 |            |
|---|-------|----------------------------------------|---------------------------------|------------|
| 1 | H3679 | FORK ASSEMBLY ... ..                   | 1                               | T100R      |
| 1 | H3657 | FORK ASSEMBLY ... ..                   | 1                               | T100C      |
| 2 | H2288 | Middle lug and stem ... ..             | 1                               |            |
| 3 | H3662 | Top lug ... ..                         | 1                               |            |
| 4 | H722  | Cap ... ..                             | 2                               |            |
| 5 | S25-3 | Plain washer ... ..                    | 4                               |            |
| 6 | S589  | Bolt (1 $\frac{1}{8}$ in. U.H.) ... .. | 4                               |            |
| 7 | H1696 | Top cover ... ..                       | As required if headlamp removed |            |
| 8 | H1892 | Main spring (yellow green) ... ..      | 2                               |            |
| 9 | H2263 | Fork stem sleeve nut (blind) ... ..    | 1                               | T100R only |

All other parts are as listed on Page 51

### HANDLEBAR MOUNTINGS

|    |         |                                                      |   |                   |
|----|---------|------------------------------------------------------|---|-------------------|
| 10 | H2291   | Handlebar eyebolt ... ..                             | 2 | T90, T100S, T100T |
| 11 | F1335   | Plain washer ... ..                                  | 2 |                   |
| 12 | H1340   | Bolt (1 $\frac{1}{8}$ in. U.H.) ... ..               | 2 |                   |
| 13 | H1708   | Washer ... ..                                        | 2 |                   |
| 14 | H1529   | Hemispherical washer ... ..                          | 2 |                   |
| 15 | 14-1903 | Self-locking nut ... ..                              | 2 | As required       |
| 16 | H1616   | Solid bush (for handlebar-mounted windscreen) ... .. |   |                   |

### STEERING DAMPER (NOT T100R)

|    |       |                                     |   |  |
|----|-------|-------------------------------------|---|--|
| 17 | H1142 | Steering damper rod c/w knob ... .. | 1 |  |
| 18 | H565  | Plain washer ... ..                 | 1 |  |
| 19 | H408  | Adjuster sleeve ... ..              | 1 |  |
| 20 | H95   | Spring plate ... ..                 | 1 |  |
| 21 | H1797 | Anchor plate ... ..                 | 1 |  |
| 22 | H1618 | Rubber sleeve ... ..                | 1 |  |
| 23 | H435  | Friction disc ... ..                | 1 |  |

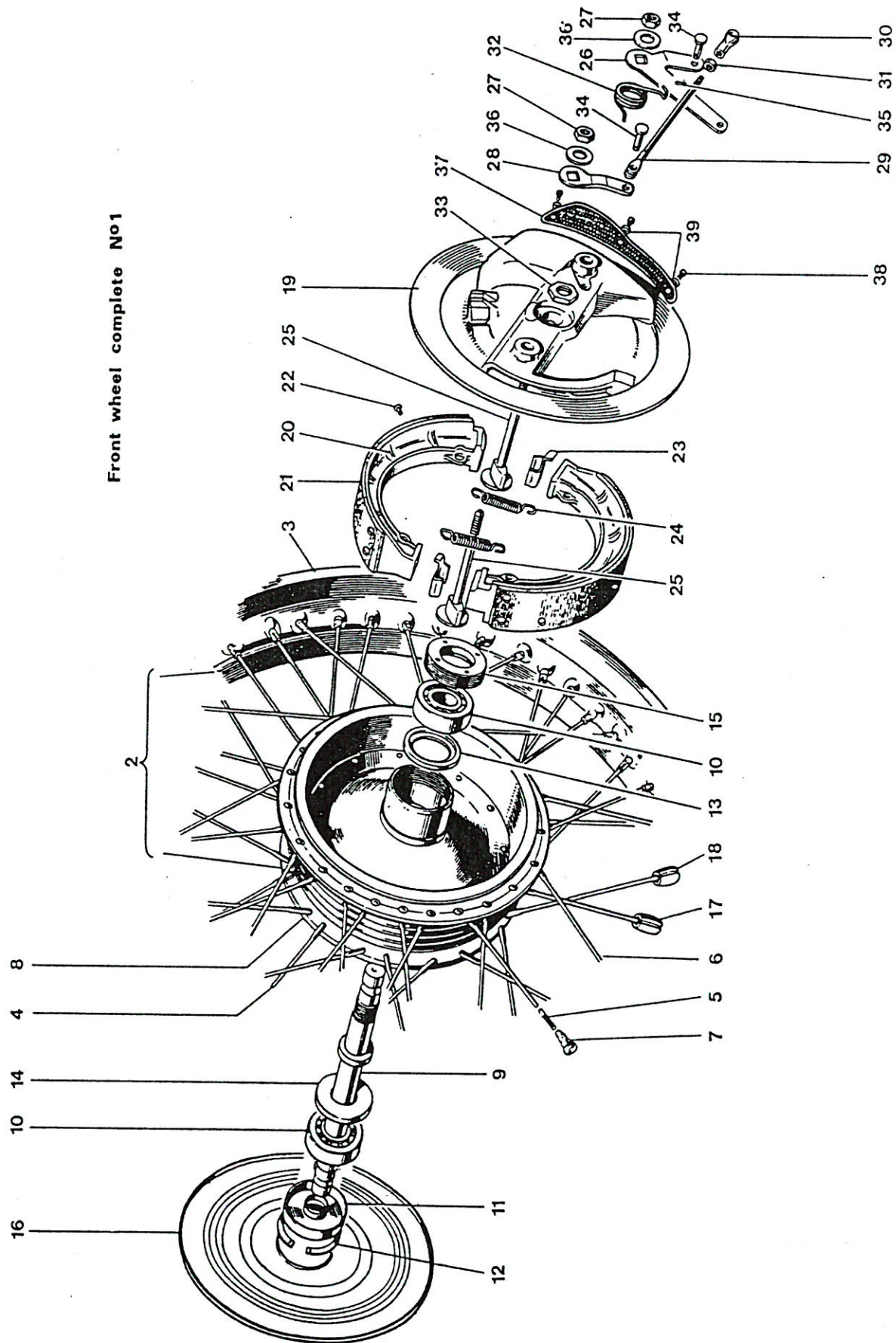


Fig. 19. FRONT WHEEL T100T, T100R

| Ref.No.                  | Part No.       | DESCRIPTION                                                        | QUANTITY    | REMARKS |
|--------------------------|----------------|--------------------------------------------------------------------|-------------|---------|
| FRONT WHEEL T100T, T100R |                |                                                                    |             |         |
| 1                        | W3458          | FRONT WHEEL COMPLETE ... ..                                        | 1           |         |
| 2                        | W1721          | RIM, SPOKES AND HUB ASSEMBLY ... ..                                | 1           |         |
| 3                        | W1230          | Front wheel rim (WM2-19) ... ..                                    | 1           |         |
| 4                        | W1328          | Spoke (8/10G x 5 $\frac{5}{8}$ in. straight) c/w nipple ... ..     | 20          |         |
| 5                        | W1708          | Spoke (8/10G x 4 $\frac{3}{4}$ in. 78°) c/w nipple ... ..          | 10          |         |
| 6                        | W1709          | Spoke (8/10G x 4 $\frac{7}{8}$ in. 100°) c/w nipple ... ..         | 10          |         |
| 7                        | S79-2          | Spoke nipple ... ..                                                | 40          |         |
| 8                        | W1722          | Hub and brake drum ... ..                                          | 1           |         |
| 9                        | W2057          | Wheel spindle ... ..                                               | 1           |         |
| 10                       | W653           | Bearing ... ..                                                     | 2           |         |
| 11                       | W1237          | Dust cover ... ..                                                  | 1           |         |
| 12                       | T280           | Circlip ... ..                                                     | 1           |         |
| 13                       | W3337          | Bearing support ring ... ..                                        | 1           |         |
| 14                       | W1481          | Grease retainer ... ..                                             | 1           |         |
| 15                       | W582           | Retaining ring ... ..                                              | 1           |         |
| 16                       | W3460          | Cover plate ... ..                                                 | 1           |         |
| 17                       | W1197          | Balance weight, $\frac{1}{2}$ oz. ... ..                           | As required |         |
| 18                       | W1198          | Balance weight, 1 oz. ... ..                                       | As required |         |
| 19                       | W3462          | Brake anchor plate ... ..                                          | 1           |         |
| 20                       | W1996          | BRAKE SHOE c/w LINING ... ..                                       | 2           |         |
| 21                       | Reference only | Brake lining ... ..                                                | 2           |         |
| 22                       | Reference only | Brass rivet ... ..                                                 | 16          |         |
| 23                       | W2026          | Abutment pad ... ..                                                | 2           |         |
| 24                       | W135           | Shoe return spring ... ..                                          | 2           |         |
| 25                       | W2001          | Brake cam ... ..                                                   | 2           |         |
| 26                       | W3453          | Brake cam lever (front) ... ..                                     | 1           |         |
| 27                       | 14-0302        | Nut ... ..                                                         | 2           |         |
| 28                       | W3454          | Brake cam lever (rear) ... ..                                      | 1           |         |
| 29                       | W2003          | Rod assembly ... ..                                                | 1           |         |
| 30                       | W2005          | Fork end, threaded ... ..                                          | 1           |         |
| 31                       | 14-0401        | Locknut ... ..                                                     | 1           |         |
| 32                       | W3522          | Lever return spring ... ..                                         | 1           |         |
| 33                       | W2058          | Anchor plate nut ... ..                                            | 1           |         |
| 34                       | WF32           | Pivot pin ... ..                                                   | 2           |         |
| 35                       | D2683          | Split pin $\frac{1}{16}$ in. diam. x $\frac{3}{8}$ in. long ... .. | 2           |         |
| 36                       | W2027          | Plain washer ... ..                                                | 2           |         |
| 37                       | W1991          | Anchor plate gauze (for air scoop) ... ..                          | 1           |         |
| 38                       | S650           | Taptite screw ... ..                                               | 3           |         |
| 39                       | F2351          | Washer for taptite screws ... ..                                   | 3           |         |



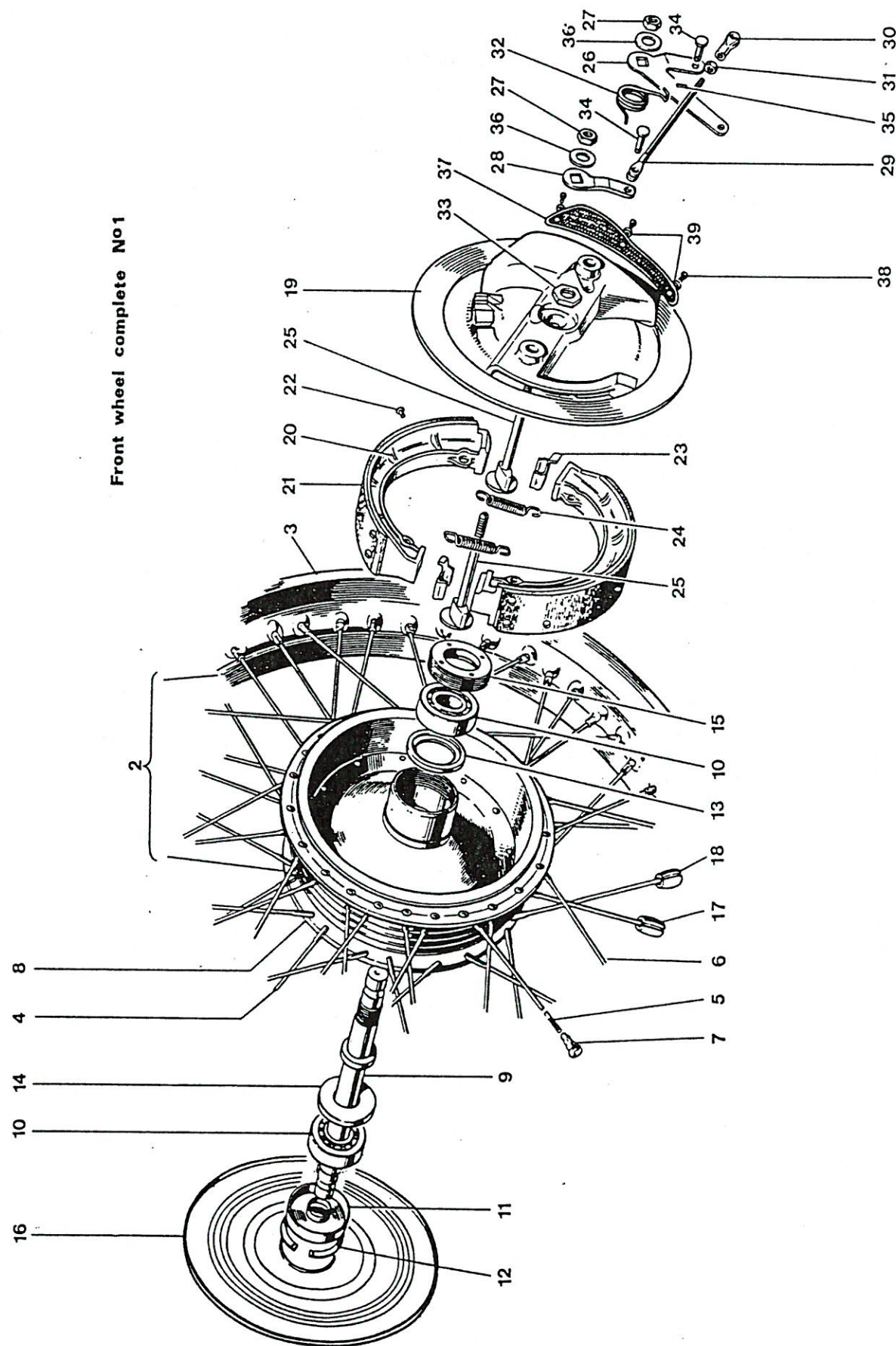


Fig. 20. FRONT WHEEL T100C, T100S, T90

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

# FRONT WHEEL (T100C, T100S, T90)

|    |                |                                                             |             |            |
|----|----------------|-------------------------------------------------------------|-------------|------------|
| 1  | W3430          | FRONT WHEEL COMPLETE                                        | 1           | T100C      |
| 1  | W3439          | FRONT WHEEL COMPLETE                                        | 1           | T90, T100S |
| 2  | W2132          | RIM SPOKES AND HUB ASSEMBLY                                 | 1           | T100C      |
| 2  | W2131          | RIM SPOKES AND HUB ASSEMBLY                                 | 1           | T90, T100S |
| 3  | W1230          | Front wheel rim (WM2-19)                                    | 1           | T100C      |
| 3  | W1373          | Front wheel rim (WM2-18)                                    | 1           | T90, T100S |
| 4  | W2133          | Spoke D.S.                                                  | 20          | T90, T100S |
| 5  | W2134          | Spoke T.S.                                                  | 10          |            |
| 6  | W2135          | Spoke T.S.                                                  | 10          |            |
| 4  | W2137          | Spoke D.S.                                                  | 20          | T100C      |
| 5  | W2138          | Spoke T.S.                                                  | 10          |            |
| 6  | W2139          | Spoke T.S.                                                  | 10          |            |
| 7  | W2136          | Spoke nipple                                                | 40          |            |
| 8  | W3325          | Hub and brake drum                                          | 1           |            |
| 9  | W2057          | Wheel spindle                                               | 1           |            |
| 10 | W653           | Wheel bearing                                               | 2           |            |
| 11 | W1237          | Dust cover                                                  | 1           |            |
| 12 | T280           | Circlip                                                     | 1           |            |
| 13 | W3337          | Bearing support ring                                        | 1           |            |
| 14 | W1181          | Grease retainer                                             | 1           |            |
| 15 | W582           | Retaining ring                                              | 1           |            |
| 16 | W3443          | Cover plate                                                 | 1           |            |
| 17 | W1197          | Balance weight $\frac{1}{2}$ oz.                            | As required |            |
| 18 | W1198          | Balance weight 1 oz.                                        | As required |            |
| 19 | W3429          | Brake anchor plate                                          | 1           |            |
| 20 | W3466          | BRAKE SHOE c/w LINING                                       | 1           |            |
| 21 | Reference only | Brake lining                                                | 2           |            |
| 22 | Reference only | Brass rivet                                                 | 16          |            |
| 23 | W2026          | Thrust pad                                                  | 2           |            |
| 24 | W135           | Shoe return spring                                          | 2           |            |
| 25 | W2001          | Brake cam                                                   | 1           |            |
| 26 | W3453          | Brake cam lever (front)                                     | 1           |            |
| 27 | 14-0302        | Nut                                                         | 2           |            |
| 28 | W3454          | Brake cam lever (rear)                                      | 1           |            |
| 29 | W2003          | Rod assembly                                                | 1           |            |
| 30 | W2005          | Fork end, threaded                                          | 1           |            |
| 31 | 14-0401        | Locknut                                                     | 1           |            |
| 32 | W3522          | Lever return spring                                         | 1           |            |
| 33 | W2058          | Anchor plate nut                                            | 1           |            |
| 34 | WF32           | Pivot pin                                                   | 2           |            |
| 35 | D2683          | Split pin $\frac{1}{16}$ in. diam. x $\frac{3}{8}$ in. long | 2           |            |
| 36 | W2027          | Plain washer                                                | 2           |            |
| 37 | W1991          | Anchor plate gauze (for air scoop)                          | 1           |            |
| 38 | S650           | Taptite screw                                               | 3           |            |
| 39 | F2351          | Washer for taptite screws                                   | 3           |            |

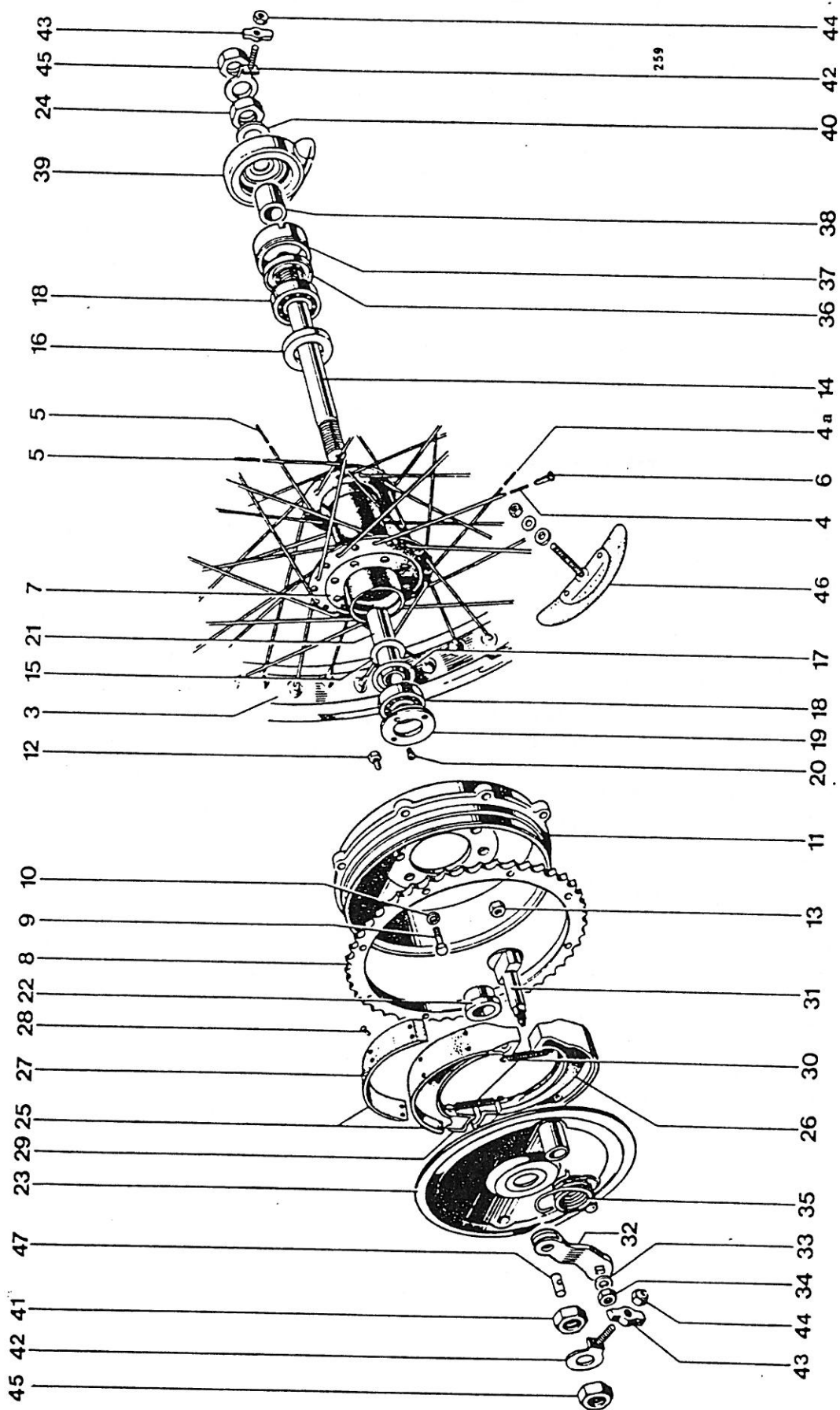


Fig. 21. REAR WHEEL

| Ref. No.   | Part No.       | DESCRIPTION                                      | QUANTITY | REMARKS      |
|------------|----------------|--------------------------------------------------|----------|--------------|
| REAR WHEEL |                |                                                  |          |              |
| 1          | W1741          | REAR WHEEL COMPLETE ... ..                       | 1        |              |
| 1          | W1742          | REAR WHEEL COMPLETE ... ..                       | 1        | T100R, T100C |
| 2          | W1470          | RIM, SPOKES AND HUB ASSEMBLY ... ..              | 1        |              |
| 2          | W1486          | RIM, SPOKES AND HUB ASSEMBLY ... ..              | 1        | T100R, T100C |
| 3          | W1471          | Rear wheel rim WM2-18 ... ..                     | 1        |              |
| 3          | W1007          | Rear wheel rim WM3-18 ... ..                     | 1        | T100R, T100C |
| 4          | W1107          | Spoke (8/10G x 7 $\frac{9}{16}$ in. 90°) ... ..  | 10       |              |
| 4A         | W3402          | Spoke (8/10G x 7 $\frac{9}{16}$ in. 110°) ... .. | 10       |              |
| 5          | W1108          | Spoke (8/10G x 7 $\frac{9}{16}$ in. 90°) ... ..  | 20       |              |
| 6          | S79-2          | Spoke nipple ... ..                              | 40       |              |
| 7          | W1472          | Hub ... ..                                       | 1        |              |
| 8          | W1499          | Sprocket, 46T ... ..                             | 1        |              |
| 9          | W1500          | Bolt ... ..                                      | 8        |              |
| 10         | E1612          | Serrated washer ... ..                           | 8        |              |
| 11         | W1498          | Brake drum ... ..                                | 1        |              |
| 12         | W1690          | Bolt ( $\frac{11}{16}$ in. U.H.) ... ..          | 8        |              |
| 13         | W1691          | Self-locking nut ... ..                          | 8        |              |
| 14         | W1281          | Wheel spindle ... ..                             | 1        |              |
| 15         | W1474          | Grease retainer (brake side) ... ..              | 1        |              |
| 16         | W1654          | Grease retainer ... ..                           | 1        |              |
| 17         | W1022          | Backing ring ... ..                              | 1        |              |
| 18         | W653           | Bearing ... ..                                   | 2        |              |
| 19         | W1021          | RETAINING RING ... ..                            | 1        |              |
| 20         | W1710          | Locking screw ( $\frac{5}{16}$ in. U.H.) ... ..  | 1        |              |
| 21         | W1278          | Distance tube ... ..                             | 1        |              |
| 22         | W1024          | Distance piece ... ..                            | 1        |              |
| 23         | W1112          | Brake anchor plate ... ..                        | 1        |              |
| 24         | W3426          | Nut ... ..                                       | 1        |              |
| 25         | W1406          | LEADING BRAKE SHOE C/W LINING ... ..             | 1        |              |
| 26         | W1407          | TRAILING BRAKE SHOE C/W LINING ... ..            | 1        |              |
| 27         | Reference only | Brake lining ... ..                              | 2        |              |
| 28         | Reference only | Brass rivet ... ..                               | 16       |              |
| 29         | W1415          | Thrust pad ... ..                                | 2        |              |
| 30         | W135           | Shoe return spring ... ..                        | 2        |              |
| 31         | W1083          | Brake cam ... ..                                 | 1        |              |
| 32         | W2014          | Brake cam lever ... ..                           | 1        |              |
| 33         | S25-6          | Plain washer ... ..                              | 1        |              |
| 34         | S1-52          | Nut ... ..                                       | 1        |              |
| 35         | W1488          | Lever return spring ... ..                       | 1        |              |
| 36         | W1635          | Grease retainer ... ..                           | 1        |              |
| 37         | W1476          | Speedometer adaptor ... ..                       | 1        |              |
| 38         | W1477          | Distance piece ... ..                            | 1        |              |
| 39         | D373           | Speedometer gearbox ... ..                       | 1        |              |
| 40         | W1280          | Plain washer ... ..                              | 1        |              |
| 41         | W3425          | Nut D.S. inner ... ..                            | 1        |              |
| 42         | W2089          | Chain adjuster ... ..                            | 2        |              |
| 43         | W1015          | Adjuster end plate ... ..                        | 2        |              |
| 44         | 14-1902        | Self-locking nut ... ..                          | 2        |              |
| 45         | F1747          | Spindle nut ... ..                               | 2        |              |
| 46         | D106           | Tyre security bolt WM2 ... ..                    | 2        |              |
| 46         | WM3            | Tyre security bolt WM3 ... ..                    | 2        | T100R, T100C |
| 47         | W11            | Pivot pin ... ..                                 | 1        |              |



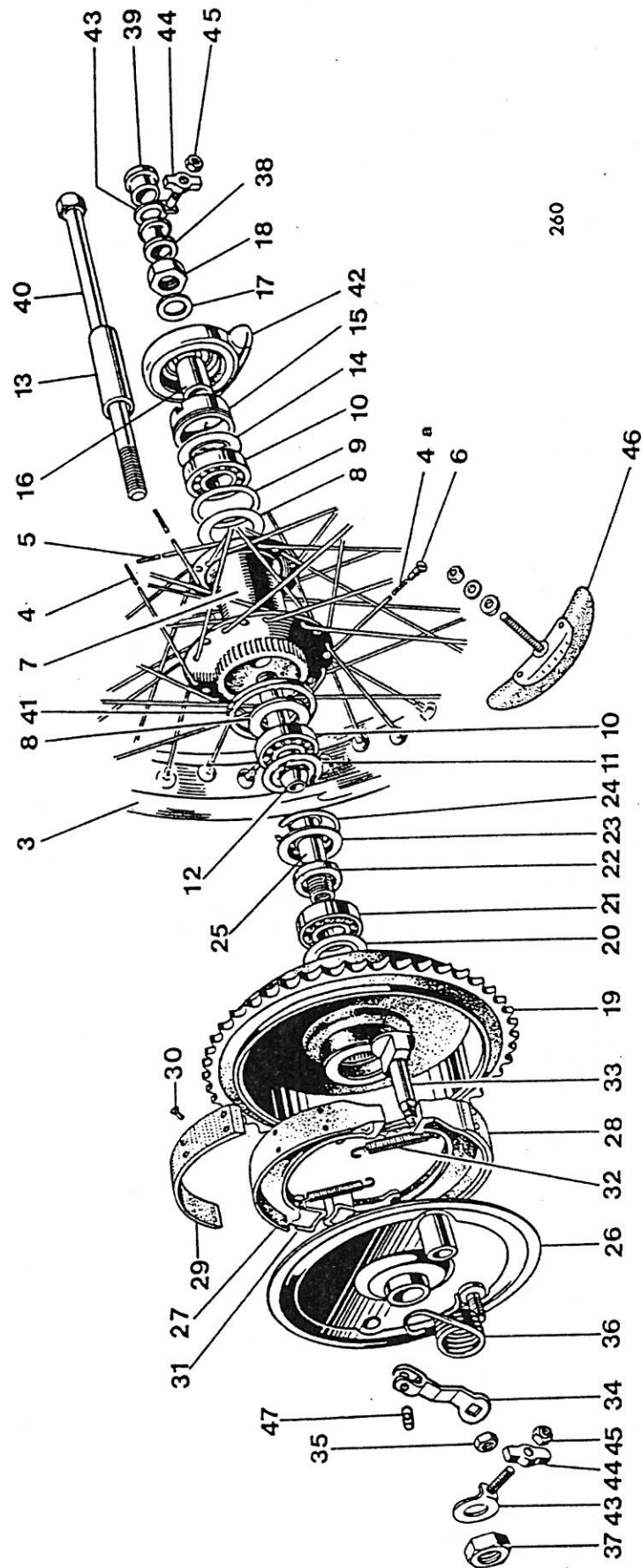


Fig. 22. QUICKLY DETACHABLE REAR WHEEL (NOT U.S.A.)

### QUICKLY DETACHABLE REAR WHEEL (NOT U.S.A.)

|    |                |                                                  |    |              |
|----|----------------|--------------------------------------------------|----|--------------|
| 1  | W1746          | Q.D. REAR WHEEL COMPLETE ... ..                  | 1  |              |
| 1  | W1745          | Q.D. REAR WHEEL COMPLETE ... ..                  | 1  | T100R, T100C |
| 2  | W1747          | RIM, SPOKES AND HUB ASSEMBLY ... ..              | 1  |              |
| 2  | W1603          | RIM, SPOKES AND HUB ASSEMBLY ... ..              | 1  | T100R, T100C |
| 3  | W1471          | Rear wheel rim WM2-18 ... ..                     | 1  |              |
| 3  | W1007          | Rear wheel rim WM3-18 ... ..                     | 1  | T100R, T100C |
| 4  | W1107          | Spoke (8/10G x 7 $\frac{9}{16}$ in. 90°) ... ..  | 10 |              |
| 4A | W3402          | Spoke (8/10G x 7 $\frac{9}{16}$ in. 110°) ... .. | 10 |              |
| 5  | W1108          | Spoke (8/10 x 7 $\frac{1}{8}$ in. 90°) ... ..    | 20 |              |
| 6  | S79-2          | Spoke nipple ... ..                              | 40 |              |
| 7  | W1593          | Hub ... ..                                       | 1  |              |
| 8  | W1595          | Grease retainer ... ..                           | 2  |              |
| 9  | W1509          | Backing ring ... ..                              | 2  |              |
| 10 | S35-7          | Bearing ... ..                                   | 2  |              |
| 11 | W1596          | Dust cap ... ..                                  | 1  |              |
| 12 | W1614          | Bearing sleeve ... ..                            | 1  |              |
| 13 | W1598          | Distance piece (inner) ... ..                    | 2  |              |
| 14 | W1635          | Grease retainer ... ..                           | 1  |              |
| 15 | W1599          | Speedometer adaptor ... ..                       | 1  |              |
| 16 | W1477          | Distance piece (outer) ... ..                    | 1  |              |
| 17 | W1280          | Plain washer ... ..                              | 1  |              |
| 18 | W3426          | Nut ... ..                                       | 1  |              |
| 19 | W1040          | Sprocket and brake drum 46T ... ..               | 1  |              |
| 20 | W1143          | Grease retainer ... ..                           | 1  |              |
| 21 | W1041          | Bearing ... ..                                   | 1  |              |
| 22 | W1032          | Felt washer ... ..                               | 1  |              |
| 23 | W1043          | Bearing and felt retainer ... ..                 | 1  |              |
| 24 | W1044          | Circlip ... ..                                   | 1  |              |
| 25 | W1045          | Bearing sleeve ... ..                            | 1  |              |
| 26 | W1121          | Brake anchor plate ... ..                        | 1  |              |
| 27 | W1406          | LEADING BRAKE SHOE C/W LINING ... ..             | 1  |              |
| 28 | W1407          | TRAILING BRAKE SHOE C/W LINING ... ..            | 1  |              |
| 29 | Reference only | Brake lining ... ..                              | 2  |              |
| 30 | Reference only | Brass rivet ... ..                               | 16 |              |
| 31 | W1415          | Thrust pad ... ..                                | 2  |              |
| 32 | W135           | Shoe return spring ... ..                        | 2  |              |
| 33 | W1083          | Brake cam ... ..                                 | 1  |              |
| 34 | W2014          | Brake cam lever ... ..                           | 1  |              |
| 35 | S1-52          | Nut ... ..                                       | 1  |              |
| 36 | W1488          | Lever return spring ... ..                       | 1  |              |
| 37 | W1052          | Nut ... ..                                       | 1  |              |
| 38 | W1392          | Innner distance piece ... ..                     | 1  |              |
| 39 | W1170          | Outer distance piece ... ..                      | 1  |              |
| 40 | W1055          | Spindle .. ..                                    | 1  |              |
| 41 | W1091          | Rubber sealing ring ... ..                       | 1  |              |
| 42 | D373           | Speedometer gearbox ... ..                       | 1  |              |
| 43 | W2087          | Chain adjuster ... ..                            | 2  |              |
| 44 | W1015          | Adjuster end plate ... ..                        | 2  |              |
| 45 | 14-1902        | Self-locking nut ... ..                          | 2  |              |
| 46 | D106           | Tyre security bolt WM2 ... ..                    | 2  |              |
| 47 | W11            | Pivot pin ... ..                                 | 1  |              |

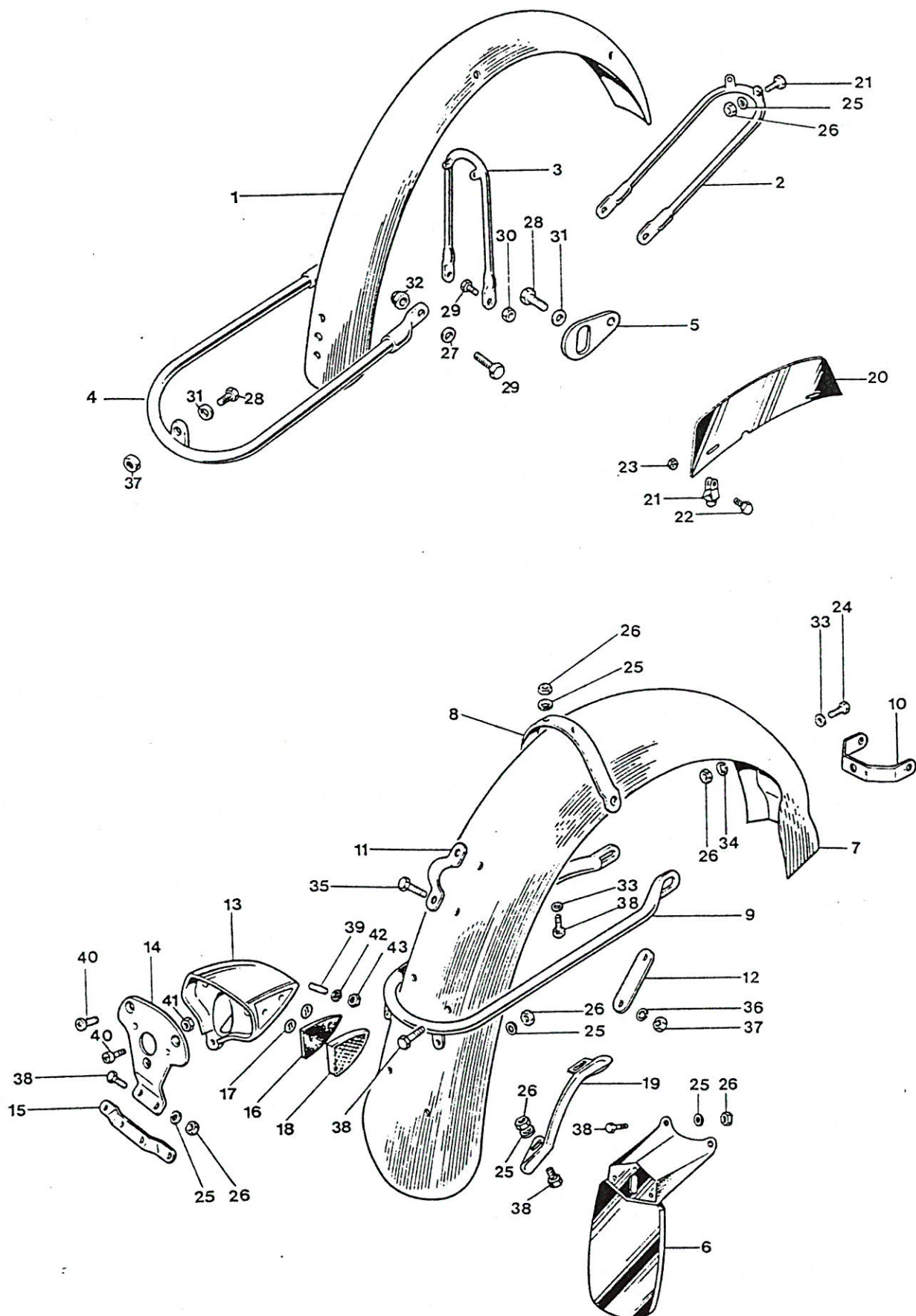


Fig. 23. MUDGUARDS (FENDERS U.S.A.)

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

### MUDGUARDS (FENDERS U.S.A.)

|    |         |                                       |    |              |
|----|---------|---------------------------------------|----|--------------|
| 1  | H3677   | Front mudguard (painted) ... ..       | 1  |              |
| 1  | H1996   | Front fender (stainless steel) ... .. | 1  | T100C        |
| 2  | H1681   | Front stay ... ..                     | 1  |              |
| 2  | H3663   | Front stay, chrome ... ..             | 1  | T100R        |
| 3  | H1683   | Centre bridge ... ..                  | 1  |              |
| 3  | H3664   | Centre bridge, chrome ... ..          | 1  | T100R        |
| 4  | H3688   | Bottom stay, chrome ... ..            | 1  | T100R        |
| 4  | H3683   | Bottom stay ... ..                    | 1  | T100C, T100S |
| 5  | H1685   | Bracket ... ..                        | 2  |              |
| 6  | F8121   | Rear number plate ... ..              | 1  |              |
| 7  | F8126   | Rear mudguard ... ..                  | 1  |              |
| 7  | F8143   | Rear fender ... ..                    | 1  | T100R        |
| 7  | F8144   | Rear fender ... ..                    | 1  | T100C        |
| 8  | F6915   | Bridge ... ..                         | 1  |              |
| 9  | F7860   | Lifting handle ... ..                 | 1  |              |
| 10 | F6916   | Bracket ... ..                        | 1  |              |
| 11 | F5994   | Clip ... ..                           | 1  |              |
| 12 | F6031   | Backing plate ... ..                  | 1  |              |
| 13 | F8139   | Tail lamp adaptor ... ..              | 1  |              |
| 14 | F6849   | Tail lamp plate ... ..                | 1  |              |
| 15 | F6850   | Number plate bracket ... ..           | 1  |              |
| 16 | F8140   | Rubber mat reflector ... ..           | 1  |              |
| 17 | F8195   | Push fix ... ..                       | 1  |              |
| 18 | 99-1030 | Red reflector (57111) ... ..          | 1  |              |
| 19 | F7826   | Wiring protector ... ..               | 1  |              |
| 20 | F10216  | Front number plate ... ..             | 1  |              |
| 21 | H741    | Clip assembly ... ..                  | 2  |              |
| 22 | H687    | Screw ... ..                          | 2  |              |
| 23 | H745    | Nut ... ..                            | 5  |              |
| 24 | 14-0101 | Bolt ... ..                           | 13 |              |
| 25 | S25-1   | Washer ... ..                         | 12 | (13 U.S.A.)  |
| 26 | 14-1201 | Nut ... ..                            | 4  |              |
| 27 | F4299   | Washer ... ..                         | 2  | (3 U.S.A.)   |
| 28 | S1822   | Bolt ... ..                           | 4  |              |
| 29 | 14-0115 | Bolt ... ..                           | 2  |              |
| 30 | 14-0402 | Nut ... ..                            | 3  |              |
| 31 | S25-3   | Washer ... ..                         | 2  |              |
| 32 | 14-0702 | Nut ... ..                            | 3  |              |
| 33 | F6310   | Washer ... ..                         | 1  |              |
| 34 | S26-2   | Washer ... ..                         | 2  |              |
| 35 | 14-0113 | Bolt ... ..                           | 2  |              |
| 36 | E2287   | Spring washer ... ..                  | 2  | (3 U.S.A.)   |
| 37 | 14-0302 | Nut ... ..                            | 10 | (8 U.S.A.)   |
| 38 | 14-0102 | Bolt ... ..                           | 1  |              |
| 39 | E2980   | Stud ... ..                           | 3  |              |
| 40 | F4715   | Screw ... ..                          | 1  |              |
| 41 | F3799   | Nut ... ..                            | 2  |              |
| 42 | GS299   | Shakeproof washer ... ..              | 1  |              |
| 43 | F879    | Nut ... ..                            |    |              |



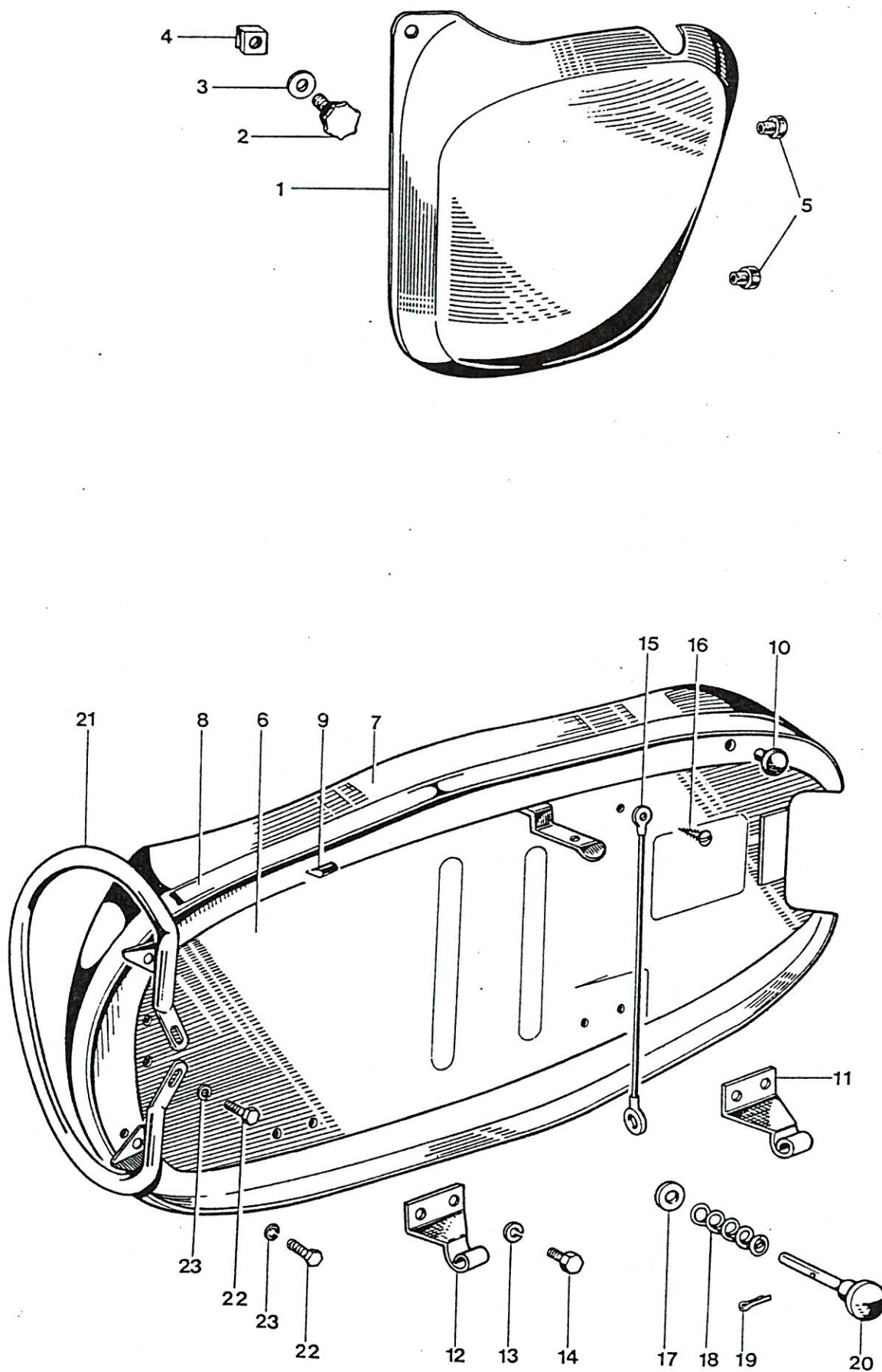


Fig. 24. PANELS AND TWINSEAT

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

# PANELS AND TWINSEAT

|               |                                        |                                 |     |     |     |     |     |   |           |
|---------------|----------------------------------------|---------------------------------|-----|-----|-----|-----|-----|---|-----------|
| 1             | F8042                                  | Left panel and toolbox          | ... | ... | ... | ... | ... | 1 |           |
| 2             | F11357                                 | Toolbox screw                   | ... | ... | ... | ... | ... | 1 |           |
| 3             | F11377                                 | Washer                          | ... | ... | ... | ... | ... | 1 |           |
| 4             | F1022                                  | Captive nut                     | ... | ... | ... | ... | ... | 1 |           |
| 5             | F6673                                  | Grommet                         | ... | ... | ... | ... | ... | 2 |           |
| 6             | F9714                                  | TWINSEAT                        | ... | ... | ... | ... | ... | 1 |           |
| 7             | F9715                                  | Twinseat cover                  | ... | ... | ... | ... | ... | 1 |           |
| 8             | D696                                   | Twin strip (bright)             | ... | ... | ... | ... | ... | 1 |           |
| 9             | D697                                   | Sprag                           | ... | ... | ... | ... | ... | 4 |           |
| 10            | F4898                                  | Buffer front                    | ... | ... | ... | ... | ... | 2 |           |
| 10            | F7835                                  | Buffer rear                     | ... | ... | ... | ... | ... | 2 |           |
| 11            | F8026                                  | Hinge front                     | ... | ... | ... | ... | ... | 1 |           |
| 12            | F7862                                  | Hinge rear                      | ... | ... | ... | ... | ... | 1 |           |
| 13            | S26-2                                  | Spring washer                   | ... | ... | ... | ... | ... | 4 |           |
| 14            | 14-0101                                | Bolt ( $\frac{7}{16}$ in. U.H.) | ... | ... | ... | ... | ... | 4 |           |
| 15            | D374                                   | Check wire                      | ... | ... | ... | ... | ... | 1 |           |
| 16            | F4483                                  | Self tapping screw              | ... | ... | ... | ... | ... | 2 |           |
| 17            | F1719A                                 | Washer                          | ... | ... | ... | ... | ... | 1 |           |
| 18            | F4228                                  | Spring                          | ... | ... | ... | ... | ... | 1 |           |
| 19            | $\frac{3}{32}$ in. x $\frac{1}{2}$ in. | Split pin                       | ... | ... | ... | ... | ... | 1 |           |
| 20            | F7560                                  | Seat knob and plunger           | ... | ... | ... | ... | ... | 1 |           |
| 21            | F9498                                  | Handrail                        | ... | ... | ... | ... | ... | 1 |           |
| 22            | 14-0102                                | Bolt                            | ... | ... | ... | ... | ... | 4 |           |
| 23            | S26-2                                  | Spring washer                   | ... | ... | ... | ... | ... | 4 |           |
| Not<br>illus. | D674                                   | Transfer Tiger 90               | ... | ... | ... | ... | ... | 1 | T90       |
|               | D675                                   | Transfer Tiger 100              | ... | ... | ... | ... | ... | 1 | T100      |
|               | D2105                                  | Transfer Trophy 500             | ... | ... | ... | ... | ... | 1 | T100C     |
|               | D2106                                  | Transfer Daytona                | ... | ... | ... | ... | ... | 1 | T100T     |
|               | D831                                   | Transfer Queen's Award          | ... | ... | ... | ... | ... | 1 | U.K. only |
|               | D1917                                  | Transfer Tiger 500              | ... | ... | ... | ... | ... | 1 | T100R     |

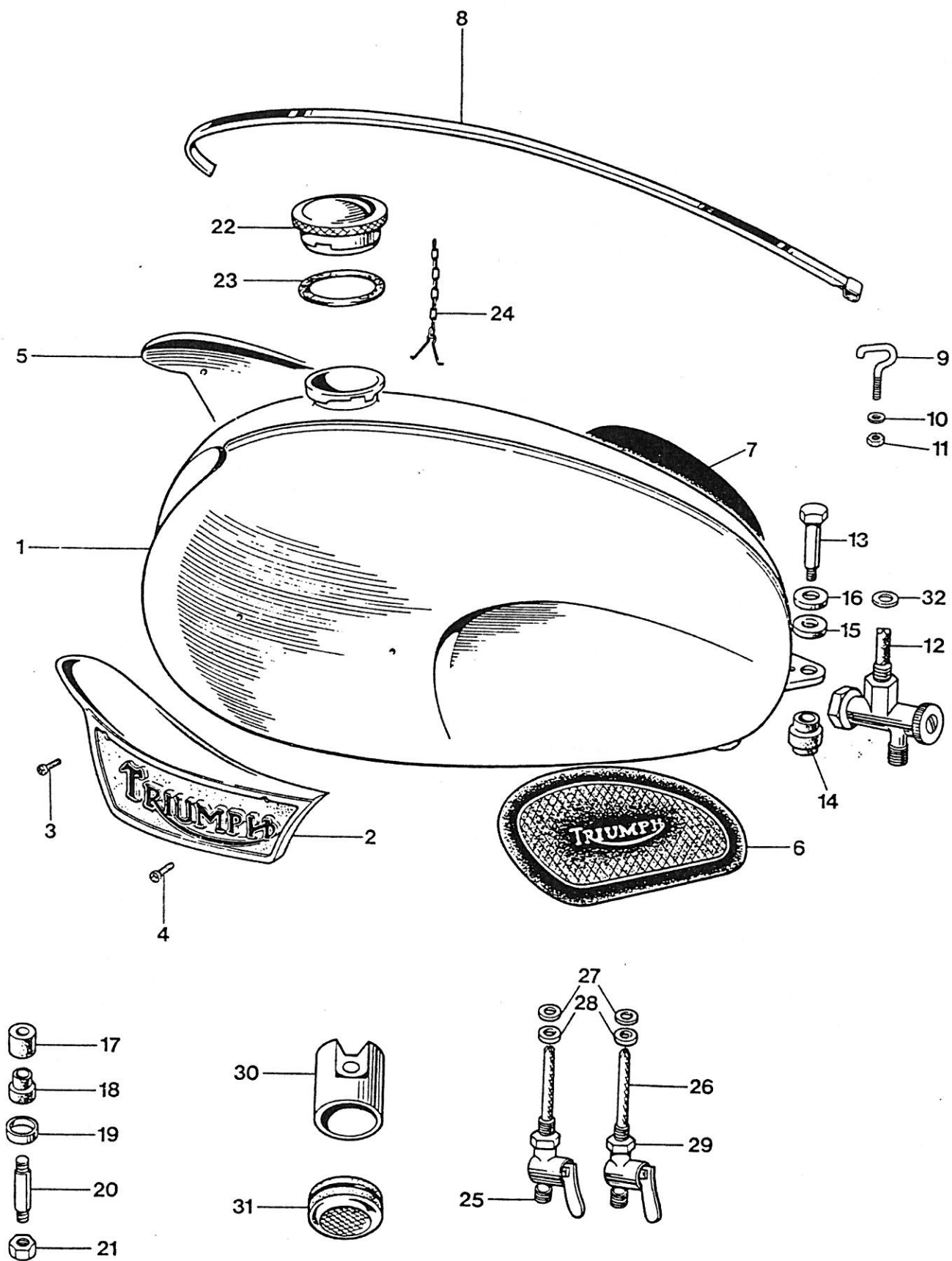


Fig. 25. PETROL TANK

### PETROL (GAS) TANKS

|                         |         |                                           |     |     |     |     |   |                   |
|-------------------------|---------|-------------------------------------------|-----|-----|-----|-----|---|-------------------|
| 1                       | F9760   | Petrol tank (2 gallons)                   | ... | ... | ... | ... | 1 | T100C, T100R      |
| 1                       | F9759   | Petrol tank (3 gallons)                   | ... | ... | ... | ... | 1 | T90, T100S, T100T |
| 2                       | F9701   | Styling unit (left)                       | ... | ... | ... | ... | 1 |                   |
| 3                       | F11339  | Styling unit screw (27/64 in. O.A.) front | ... | ... | ... | ... | 2 |                   |
| 4                       | F7888   | Styling unit screw (35/64 in. O.A.) rear  | ... | ... | ... | ... | 2 |                   |
| 5                       | F9700   | Styling unit (right)                      | ... | ... | ... | ... | 1 |                   |
| 6                       | F8192   | Left knee grip                            | ... | ... | ... | ... | 1 |                   |
| 7                       | F8193   | Right knee grip                           | ... | ... | ... | ... | 1 |                   |
| 8                       | F10007  | Centre styling strip                      | ... | ... | ... | ... | 1 |                   |
| 9                       | F10008  | Hook, screw                               | ... | ... | ... | ... | 1 |                   |
| 10                      | F4019   | Serrated washer                           | ... | ... | ... | ... | 1 |                   |
| 11                      | H919    | Nut                                       | ... | ... | ... | ... | 1 |                   |
| 12                      | F1717   | Petrol tap                                | ... | ... | ... | ... | 1 | T90, T100S, T100T |
| 13                      | F7388   | Rear bolt                                 | ... | ... | ... | ... | 1 |                   |
| 14                      | F5336   | Double spigot rubber                      | ... | ... | ... | ... | 1 |                   |
| 15                      | F967    | Rubber washer                             | ... | ... | ... | ... | 1 |                   |
| 16                      | F3814   | Cup                                       | ... | ... | ... | ... | 1 |                   |
| 17                      | F5228   | Rubber washer                             | ... | ... | ... | ... | 2 |                   |
| 18                      | F5229   | Spigot rubber                             | ... | ... | ... | ... | 2 | T90, T100S        |
| 19                      | F3814   | Cup                                       | ... | ... | ... | ... | 2 |                   |
| 20                      | S1883   | Stud                                      | ... | ... | ... | ... | 2 |                   |
| 21                      | 14-1302 | Nut                                       | ... | ... | ... | ... | 2 |                   |
| 22                      | F3220   | FILLER CAP                                | ... | ... | ... | ... | 1 |                   |
| 23                      | F4048   | Joint washer                              | ... | ... | ... | ... | 1 |                   |
| 24                      | F3217   | Jack chain                                | ... | ... | ... | ... | 1 |                   |
| 25                      | F4971   | Petrol tap (left)...                      | ... | ... | ... | ... | 1 |                   |
| 26                      | F4972   | Petrol tap with reserve tube              | ... | ... | ... | ... | 1 |                   |
| 27                      | F7351   | Petrol tap seal                           | ... | ... | ... | ... | 2 |                   |
| 28                      | F10002  | Steel washer                              | ... | ... | ... | ... | 2 |                   |
| 29                      | F10006  | Tap nut                                   | ... | ... | ... | ... | 2 |                   |
| 30                      | F8194   | Reflector bracket                         | ... | ... | ... | ... | 2 |                   |
| 31                      | D691    | Reflector, amber                          | ... | ... | ... | ... | 2 |                   |
| 32                      | F1511   | Fibre washer                              | ... | ... | ... | ... | 1 |                   |
| Not<br>Illu-<br>strated | D2064   | Transfer, Trophy 500                      | ... | ... | ... | ... | 1 | T100C             |
|                         | D2065   | Transfer, Daytona                         | ... | ... | ... | ... | 1 | T100R             |
|                         | D674    | Transfer, Tiger 90                        | ... | ... | ... | ... | 1 | T90               |
|                         | D675    | Transfer Tiger 100                        | ... | ... | ... | ... | 1 | T100S             |
|                         | A56     | Transfer, World Speed Record              | ... | ... | ... | ... | 1 |                   |
|                         | A61     | Transfer, Made in England                 | ... | ... | ... | ... | 1 |                   |
|                         | D677    | Transfer, Daytona Super Sports            | ... | ... | ... | ... | 1 | T100T             |



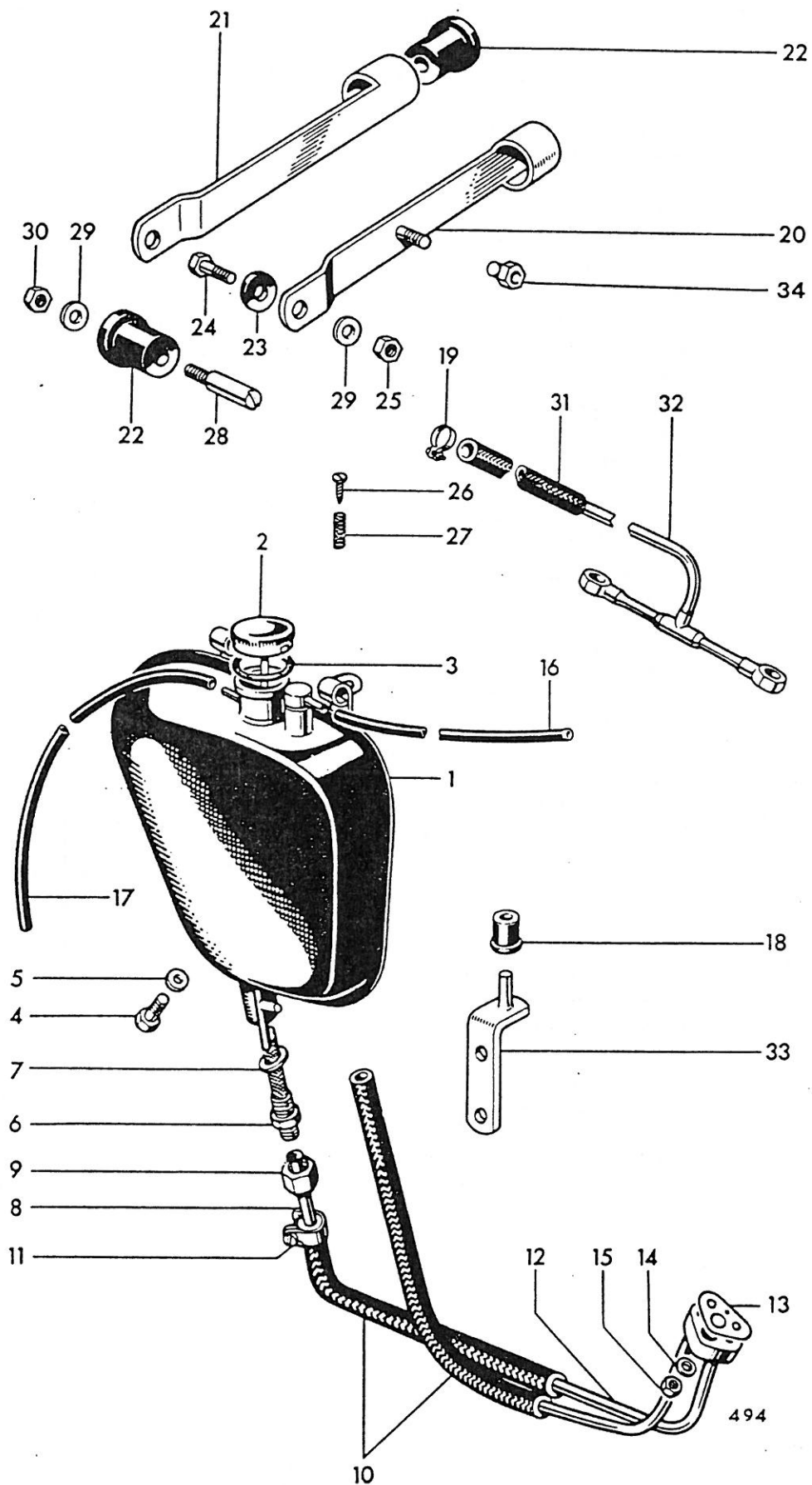


Fig. 26. OIL TANK

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

### OIL TANK

|    |         |                                                 |   |                 |
|----|---------|-------------------------------------------------|---|-----------------|
| 1  | F7836   | Oil tank ... ..                                 | 1 |                 |
| 2  | F9659   | FILLER CAP AND DIPSTICK ... ..                  | 1 |                 |
| 3  | F4047   | Joint washer ... ..                             | 1 |                 |
| 4  | F5343   | Drain plug ... ..                               | 1 |                 |
| 5  | PT104B  | Fibre washer ... ..                             | 1 |                 |
| 6  | F3179   | Oil tank filter ... ..                          | 1 |                 |
| 7  | F1713   | Fibre washer ... ..                             | 1 |                 |
| 8  | F6103   | Upper feed pipe ... ..                          | 1 |                 |
| 9  | F3182   | Union nut ... ..                                | 1 |                 |
| 10 | E4594   | Flexible connector, long ... ..                 | 2 |                 |
| 11 | E6848   | Clip ... ..                                     | 4 |                 |
| 12 | E7203   | Oil pipes and junction block ... ..             | 1 |                 |
| 13 | E3763   | Joint washer ... ..                             | 1 |                 |
| 14 | E3446   | Plain washer ... ..                             | 1 |                 |
| 15 | S1908   | Nut ... ..                                      | 1 |                 |
| 16 | T1579   | Vent pipe ... ..                                | 1 |                 |
| 17 | F7352   | Flexible pipe (chain oiler) ... ..              | 1 |                 |
| 18 | F6039   | Grommet ... ..                                  | 1 |                 |
| 19 | E6849   | Clip (rocker pipe) ... ..                       | 1 |                 |
| 20 | F9255   | Front strap ... ..                              | 1 |                 |
| 21 | F8028   | Rear strap ... ..                               | 1 |                 |
| 22 | F6673   | Spigot rubber ... ..                            | 4 |                 |
| 23 | F6968   | Rubber washer ... ..                            | 2 |                 |
| 24 | 14-0103 | Bolt ( $\frac{3}{4}$ in. U.H.) ... ..           | 2 |                 |
| 25 | 14-0701 | Self-locking nut ... ..                         | 2 |                 |
| 26 | F6511   | Metering screw ... ..                           | 1 |                 |
| 27 | F6874   | Coil spring ... ..                              | 1 |                 |
| 28 | F7510   | Screwed peg ... ..                              | 2 |                 |
| 29 | S25-13  | Plain washer ... ..                             | 4 |                 |
| 30 | 14-0301 | Nut ... ..                                      | 2 |                 |
| 31 | E6353   | Rubber connector ... ..                         | 1 |                 |
| 32 | E7576   | Rocker oil feed pipe ... ..                     | 1 |                 |
| 33 | F6898   | Bracket ... ..                                  | 1 |                 |
| 34 | F8034   | Spigot nut ... ..                               | 1 |                 |
| —  | D1816   | Grouped transfer "Drain and Refill" etc. ... .. | 1 | Not illustrated |

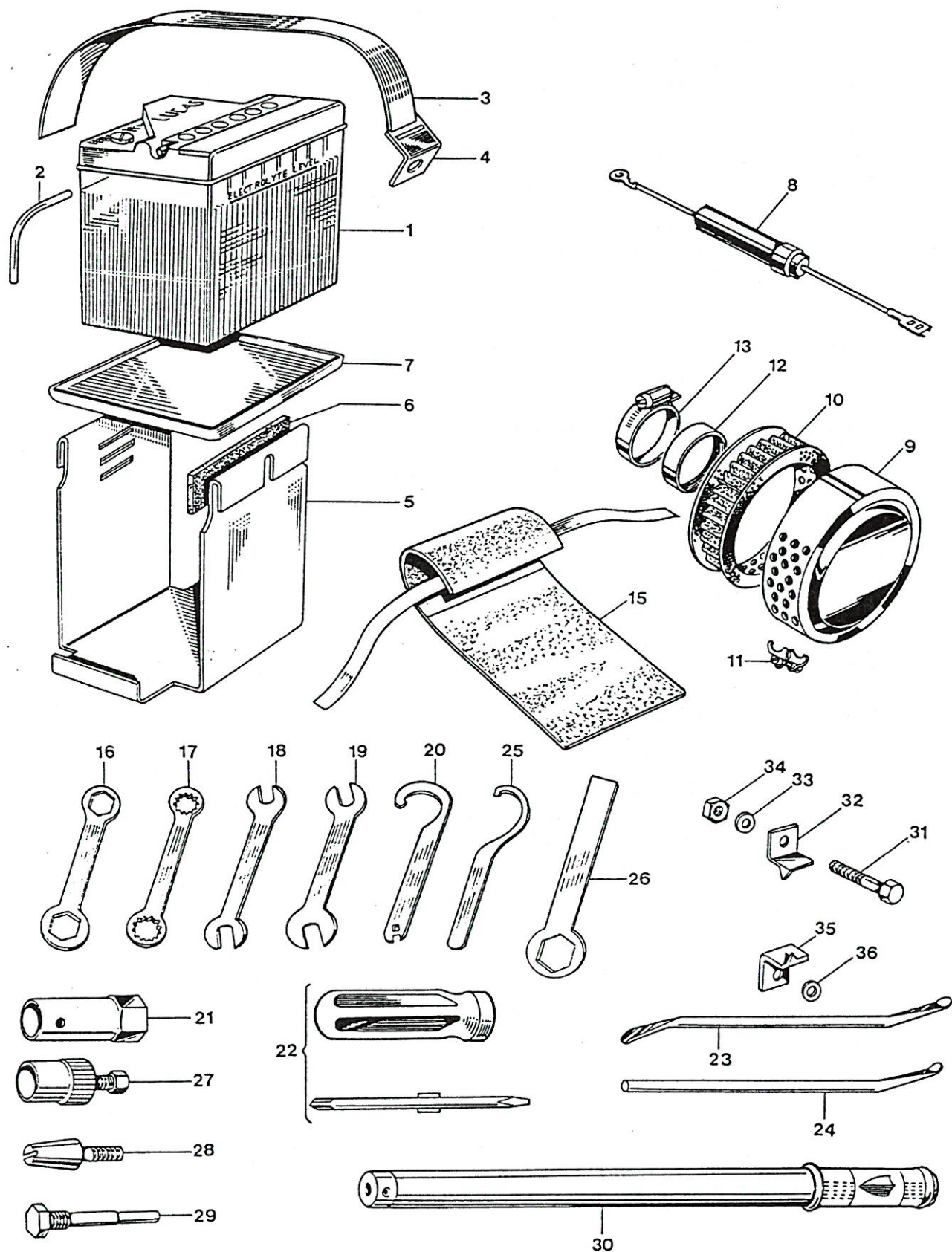


Fig. 27. BATTERY, TOOLKIT AND AIR FILTER

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

# BATTERY, TOOLKIT AND AIR FILTER

|    |         |                                                                     |             |                   |
|----|---------|---------------------------------------------------------------------|-------------|-------------------|
| 1  | 99-0719 | Battery 54027029 (PUZ5A) ... ..                                     | 1           |                   |
| 2  | F7431   | Vent pipe ... ..                                                    | 1           |                   |
| 3  | F8033   | Battery retaining strap ... ..                                      | 1           |                   |
| 4  | F8032   | Battery strap anchorage ... ..                                      | 1           |                   |
| 5  | F8024   | Battery carrier ... ..                                              | 1           |                   |
| 6  | F8031   | Battery carrier rubber ... ..                                       | 1           |                   |
| 7  | F8091   | Battery carrier tray ... ..                                         | 1           |                   |
| 8  | 5492886 | Fuse assembly ... ..                                                | 1           |                   |
| 9  | F6430   | AIR FILTER ... ..                                                   | 1           | T90/T100S         |
| 10 | F4811   | Filter element (felt) ... ..                                        | 1           | T90/T100S         |
| 9  | F7772   | AIR FILTER ... ..                                                   | 1 or 2      | T100R/T100C/T100T |
| 10 | F5764   | Filter element (Filter cloth and gauze) ... ..                      | 1 or 2      | T100R/T100C/T100T |
| 11 | F4810   | Clip for cover ... ..                                               | 1 or 2      |                   |
| 12 | E4576   | Adaptor ... ..                                                      | 1 or 2      |                   |
| 13 | D177/8  | Clip ... ..                                                         | 1           |                   |
| 14 | D2110   | TOOL KIT ... ..                                                     | 1           |                   |
| 15 | D291    | Tool roll ... ..                                                    | 1           |                   |
| 16 | DA311   | Ring spanner $\frac{5}{8}$ in. x $\frac{11}{16}$ in. WHIT ... ..    | 1           |                   |
| 17 | D370    | Ring spanner $\frac{3}{4}$ in. x $\frac{1}{2}$ in. WHIT ... ..      | 1           |                   |
| 18 | D2084   | Open end spanner $\frac{1}{2}$ in. x $\frac{7}{16}$ in. WHIT ... .. | 1           |                   |
| 19 | D16     | Open end spanner $\frac{3}{8}$ in. x $\frac{7}{16}$ in. WHIT ... .. | 1           |                   |
| 20 | D326    | C spanner and tappet key ... ..                                     | 1           |                   |
| 21 | D87     | Box spanner for sparking plug ... ..                                | 1           |                   |
| 22 | D767    | Screwdriver c/w blade ... ..                                        | 1           |                   |
| 23 | NA14A   | Tyre lever ... ..                                                   | 1           |                   |
| 24 | D801    | Tyre lever and tommy bar ... ..                                     | 1           |                   |
| 25 | D527    | Fork spanner for sleeve nut ... ..                                  | As required |                   |
| 26 | D779    | Fork spanner for cap nut ... ..                                     | As required |                   |
| 27 | D662/3  | Clutch hub extractor ... ..                                         | As required |                   |
| 28 | D486    | Contact breaker assembly pilot ... ..                               | As required |                   |
| 29 | D484    | Contact breaker extractor ... ..                                    | As required |                   |
| 30 | D296    | Tyre inflator ... ..                                                | 1           |                   |
| 31 | 14-0102 | Bolt ( $\frac{5}{8}$ in. U.H.) ... ..                               | 1           |                   |
| 32 | F5432   | Inflator top bracket ... ..                                         | 1           |                   |
| 33 | S25-43  | Plain washer ... ..                                                 | 1           |                   |
| 34 | 14-0401 | Nut ... ..                                                          | 1           |                   |
| 35 | F5433   | Inflator bottom bracket ... ..                                      | 1           |                   |
| 36 | S25-3   | Plain washer ... ..                                                 | 1           |                   |



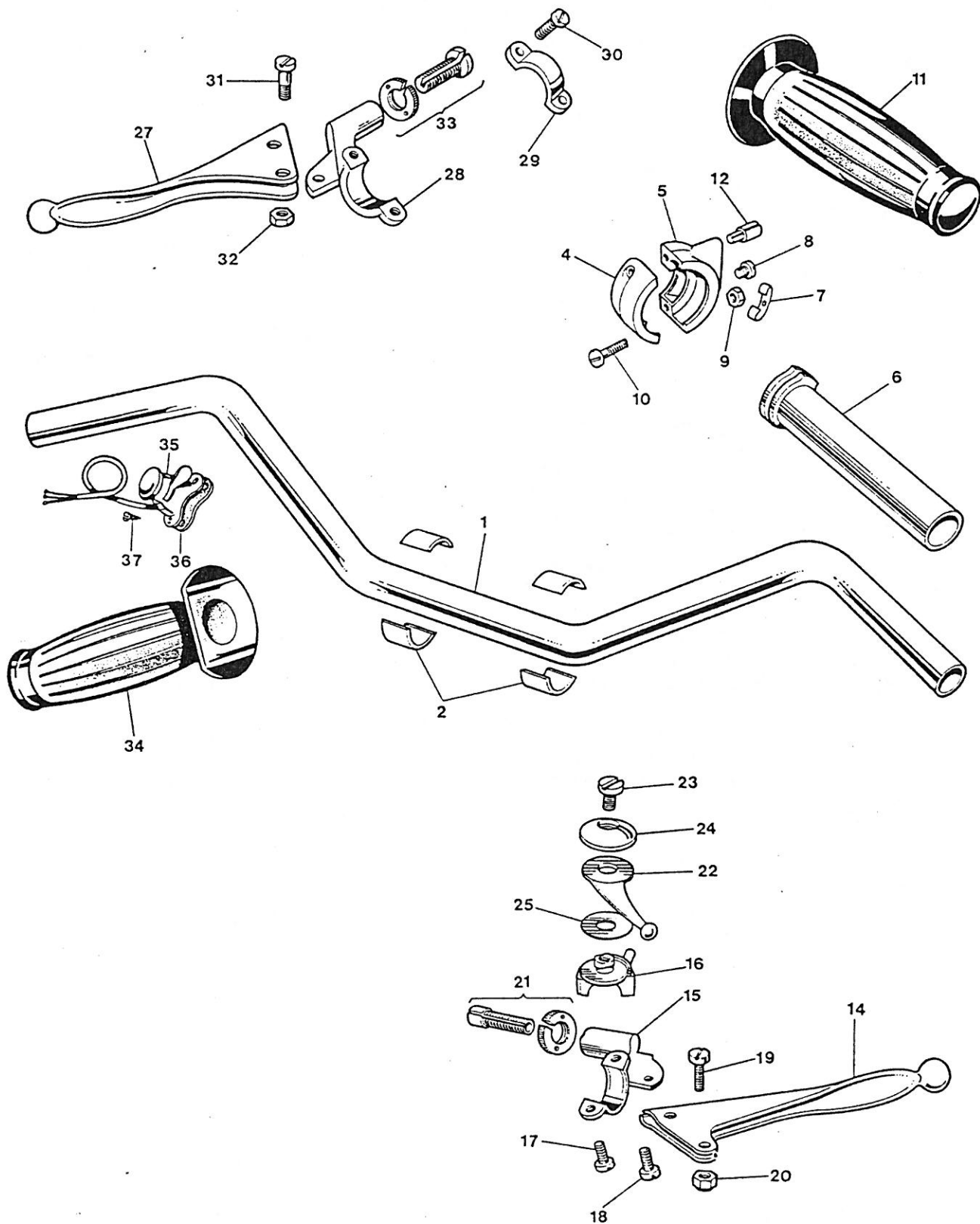


Fig. 28. HANDLEBARS AND CONTROL LEVERS

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

## HANDLEBAR AND CONTROL LEVERS

|    |         |                                                    |   |                   |
|----|---------|----------------------------------------------------|---|-------------------|
| 1  | H1871   | Handlebar ... ..                                   | 1 | T90, T100S, T100T |
| 1  | H1873   | American handlebar ... ..                          | 1 | T100R, T100C      |
| 2  | H1425   | Packing piece ... ..                               | 4 |                   |
| 3  | 99-0248 | TWISTGRIP (16/364) ... ..                          | 1 |                   |
| 4  | 99-0245 | Body top half (16/328) ... ..                      | 1 |                   |
| 5  | 99-0246 | Body bottom half (16/329) ... ..                   | 1 |                   |
| 6  | 99-0244 | Rotor (16/091) ... ..                              | 1 |                   |
| 7  | 99-0238 | Friction spring (16/008) ... ..                    | 1 |                   |
| 8  | 99-0239 | Friction spring screw (16/009) ... ..              | 1 |                   |
| 9  | 99-0240 | Nut (16/010) ... ..                                | 1 |                   |
| 10 | 99-0226 | Screw (11/014) ... ..                              | 2 |                   |
| 11 | H2125   | Handlebar grip ... ..                              | 1 |                   |
| 12 | 99-0241 | Cable stop (16/011) ... ..                         | 1 |                   |
| 13 | D2073   | FRONT BRAKE AND AIR LEVER ASSEMBLY (18/978)        | 1 |                   |
| 14 | 99-0262 | Brake lever (ball end) (18/754) ... ..             | 1 |                   |
| 15 | 99-0267 | Lever bracket (18/777) ... ..                      | 1 |                   |
| 16 | 12/619  | Control body ... ..                                | 1 |                   |
| 17 | 99-0226 | Screw (11/014) ... ..                              | 1 |                   |
| 18 | 99-0225 | Screw (11/013) ... ..                              | 1 |                   |
| 19 | 99-0252 | Fulcrum screw (18/087) ... ..                      | 1 |                   |
| 20 | 99-0250 | Self locking nut (18/053) ... ..                   | 1 |                   |
| 21 | 99-1031 | Cable adjuster and nut (18/1708/1709) ... ..       | 1 |                   |
| 22 | 99-0228 | Lever (12/556) ... ..                              | 1 |                   |
| 23 | 12/607  | Bolt ... ..                                        | 1 |                   |
| 24 | 12/606  | Cap ... ..                                         | 1 |                   |
| 25 | 12/033  | Spring washer ... ..                               | 1 |                   |
| 26 | D2074   | CLUTCH LEVER ASSEMBLY (18/952) ... ..              | 1 |                   |
| 27 | 99-0261 | Clutch lever (ball end) (18/752) ... ..            | 1 |                   |
| 28 | 99-0265 | Clutch lever bracket (18/773) ... ..               | 1 |                   |
| 29 | 99-0230 | Clamp (12/595) ... ..                              | 1 |                   |
| 30 | 99-0226 | Screw (11/014) ... ..                              | 2 |                   |
| 31 | 99-0252 | Fulcrum screw (18/087) ... ..                      | 1 |                   |
| 32 | 99-0250 | Self locking nut (18/053) ... ..                   | 1 |                   |
| 33 | 99-1031 | Cable adjuster and nut (18/1708/1709) ... ..       | 1 |                   |
| 34 | H2124   | Handlebar grip ... ..                              | 1 |                   |
| 35 | 99-0555 | Horn push and dip switch (31563) ... ..            | 1 |                   |
| 36 | 380459  | Backing rubber ... ..                              | 1 |                   |
| 37 | H1994   | Selftapping screw ( $\frac{1}{2}$ in. U.H.) ... .. | 2 |                   |

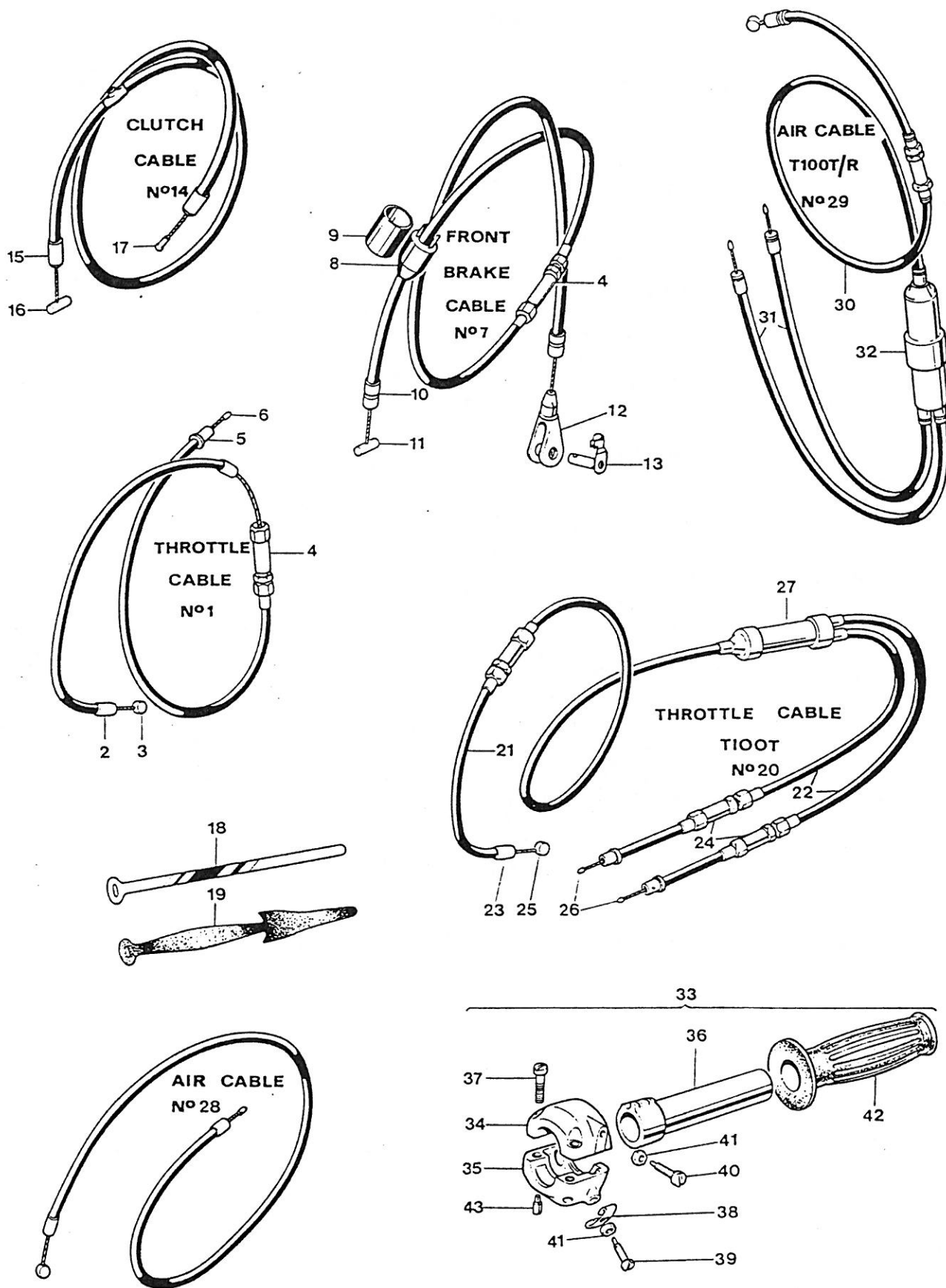


Fig. 29. CONTROL CABLES

| Ref. No.              | Part No. | DESCRIPTION                               | QUANTITY    | REMARKS           |
|-----------------------|----------|-------------------------------------------|-------------|-------------------|
| <b>CONTROL CABLES</b> |          |                                           |             |                   |
| 1                     | D1823    | THROTTLE CABLE ... ..                     | 1           | T90, T100S, T100C |
| 1                     | D1822    | THROTTLE CABLE ... ..                     | 2           | T100R             |
| 2                     | D101     | Ferrule ... ..                            | 3           |                   |
| 3                     | D83      | Nipple ... ..                             | 1           |                   |
| 4                     | D104     | Adjuster ... ..                           | 1           |                   |
| 5                     | 6/132A   | Ferrule ... ..                            | 1           |                   |
| 6                     | NS191    | Nipple ... ..                             | 1           |                   |
| 7                     | D2077    | FRONT BRAKE CABLE ... ..                  | 1           |                   |
| 7                     | D2076    | FRONT BRAKE CABLE ... ..                  | 1           | T100R             |
| 8                     | D2085    | Front stop switch ... ..                  | 1           |                   |
| 9                     | D2086    | Cover for switch ... ..                   | 1           |                   |
| 10                    | D103     | Ferrule ... ..                            | 2           |                   |
| 11                    | D506     | Nipple ... ..                             | 1           |                   |
| 12                    | D638     | Fork end ... ..                           | 1           |                   |
| 13                    | W2006    | Spring fix ... ..                         | 1           |                   |
| 14                    | D1995    | CLUTCH CABLE ... ..                       | 1           |                   |
| 14                    | D1994    | AMERICAN CLUTCH CABLE ... ..              | 1           | T100R, T100C      |
| 15                    | D103     | Ferrule ... ..                            | 1           |                   |
| 16                    | D506     | Nipple ... ..                             | 2           |                   |
| 17                    | DS73     | Nipple ... ..                             | 1           |                   |
| 18                    | XA69     | Cable clip ... ..                         | As required |                   |
| 19                    | D343/7   | Rubber cable clip ... ..                  | 1           |                   |
| 20                    | D738     | THROTTLE CABLE ... ..                     | 1           | T100T             |
| 21                    | D741     | Cable, twistgrip to junction box ... ..   | 1           |                   |
| 22                    | D739     | Cable, junction box to carburetter ... .. | 2           |                   |
| 23                    | D101     | Ferrule ... ..                            | 10          |                   |
| 24                    | D104     | Adjuster assembly ... ..                  | 3           |                   |
| 25                    | D83      | Nipple ... ..                             | 1           | T90, T100S, T100C |
| 26                    | NS191    | Nipple ... ..                             | 5           |                   |
| 27                    | D685     | Junction box (244/104) ... ..             | 2           |                   |
| 28                    | D1824    | AIR CONTROL CABLE ... ..                  | 1           |                   |
| 29                    | D1820    | AIR CONTROL CABLE ... ..                  | 1           |                   |
| 30                    | D1821    | Lever to junction box ... ..              | 1           | T100T, T100R      |
| 31                    | D745     | Junction box to carburetter ... ..        | 2           |                   |
| 32                    | D685     | Junction box (244/104) ... ..             | 1           | T100R             |
| 33                    | 99-0347  | TWIN ROTOR TWIST GRIP (313/13) ... ..     | 1           |                   |
| 34                    | 99-0348  | Body, top half (313/020) ... ..           | 1           |                   |
| 35                    | 99-0349  | Body, bottom half (313/021) ... ..        | 1           |                   |
| 36                    | 99-0344  | Rotor (313/004) ... ..                    | 1           |                   |
| 37                    | 99-0251  | Screw (18/084) ... ..                     | 2           |                   |
| 38                    | 99-0238  | Friction spring (16/008) ... ..           | 1           |                   |
| 39                    | 99-0337  | Adjuster screw (210/007) ... ..           | 1           |                   |
| 40                    | 99-0338  | Rotor stop (210/008) ... ..               | 1           |                   |
| 41                    | 99-0224  | Nut (5/077) ... ..                        | 2           |                   |
| 42                    | H2125    | Grip ... ..                               | 1           |                   |
| 43                    | 99-0241  | Cable stop (16/011) ... ..                | 2           |                   |



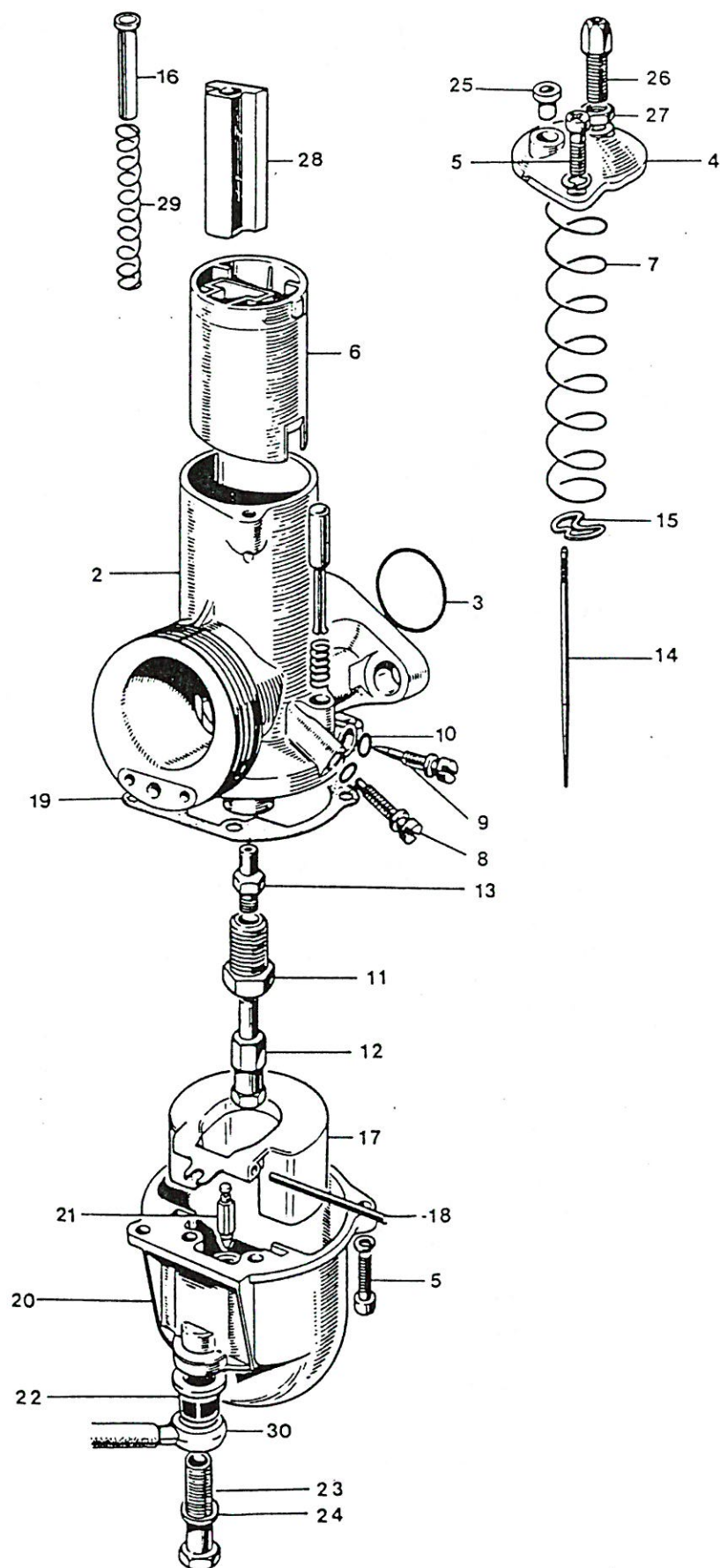
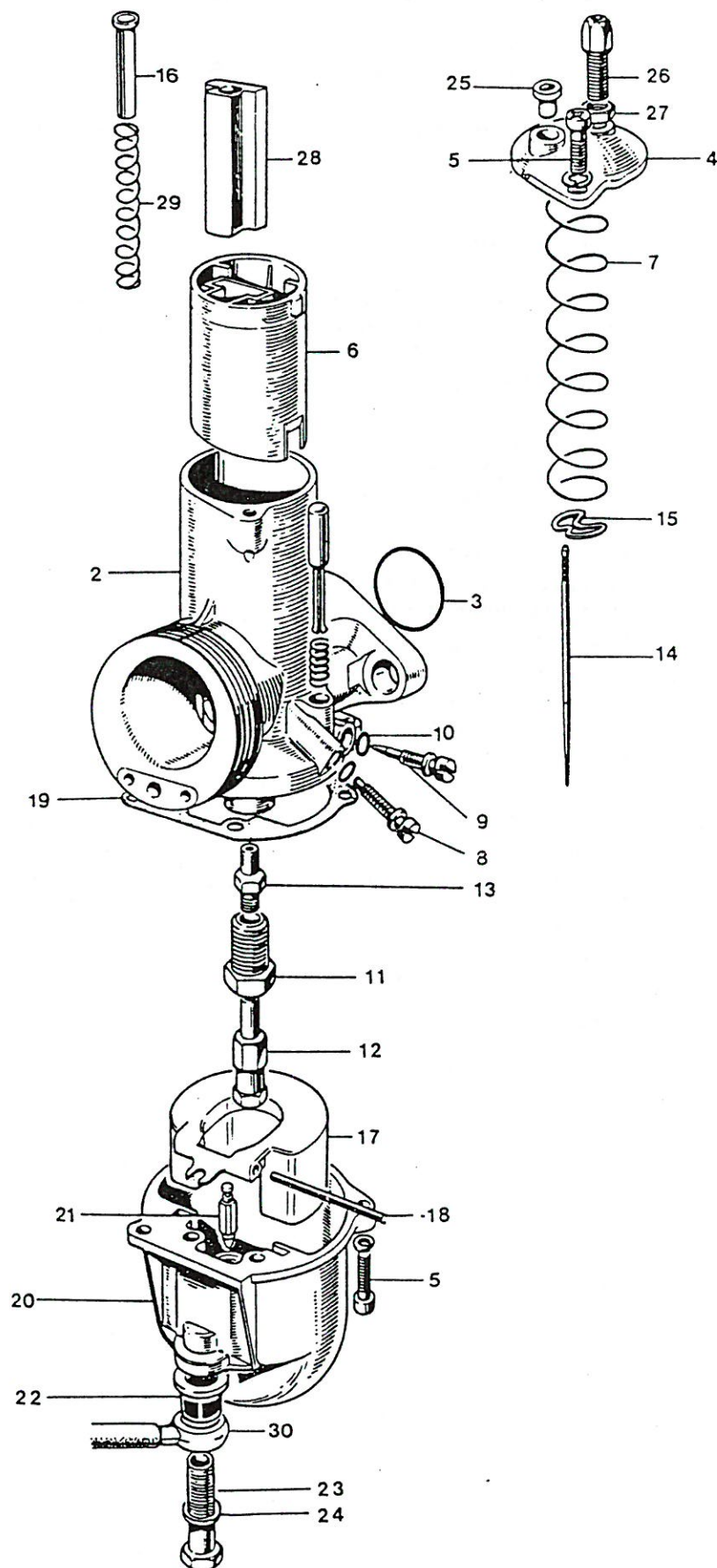


Fig. 30. CARBURETTER, T90, T100 AND T100C

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

# CARBURETTER, T90, T100S AND T100C

|    |                |                                                  |     |     |     |     |   |                         |
|----|----------------|--------------------------------------------------|-----|-----|-----|-----|---|-------------------------|
| 1  | D773           | CARBURETTER R624/2                               | ... | ... | ... | ... | 1 | T90                     |
| 1  | D774           | CARBURETTER R626/8                               | ... | ... | ... | ... | 1 | T100S, T100C            |
| 2  | Reference only | Mixing chamber                                   | ... | ... | ... | ... | 1 |                         |
| 3  | 99-0522        | "O" ring seal (622/101)                          | ... | ... | ... | ... | 1 |                         |
| 4  | 99-1049        | Mixing chamber top (622/097)                     | ... | ... | ... | ... | 4 |                         |
| 5  | 99-0521        | Screw (622/086)                                  | ... | ... | ... | ... | 1 |                         |
| 6  | 99-1050        | Throttle valve (No. 4 T100) (622/060)            | ... | ... | ... | ... | 1 |                         |
| 7  | 99-0509        | Throttle return spring (copper plated) (6221065) | ... | ... | ... | ... | 1 |                         |
| 8  | 99-0516        | Throttle stop screw (622/077)                    | ... | ... | ... | ... | 1 |                         |
| 9  | 99-0515        | Air adjusting screw (622/076)                    | ... | ... | ... | ... | 1 |                         |
| 10 | 99-0520        | "O" ring (622/082)                               | ... | ... | ... | ... | 1 |                         |
| 11 | 99-1034        | Jet holder (622/128)                             | ... | ... | ... | ... | 1 |                         |
| 12 | 99-0445        | Main jet (376/100) size .180                     | ... | ... | ... | ... | 1 | T90 size .140 (99-0443) |
| 13 | 99-1035        | Needle jet (622/122) size .106                   | ... | ... | ... | ... | 1 |                         |
| 14 | 99-1036        | Needle (622/124)                                 | ... | ... | ... | ... | 1 |                         |
| 15 | 99-0510        | Needle clip (622/067)                            | ... | ... | ... | ... | 1 |                         |
| 16 | 99-1051        | Air valve guide sleeve (622/134)                 | ... | ... | ... | ... | 1 |                         |
| 17 | 99-0512        | Float (622/069)                                  | ... | ... | ... | ... | 1 |                         |
| 18 | 99-0513        | Float spindle (622/071)                          | ... | ... | ... | ... | 1 |                         |
| 19 | 99-0514        | Joint washer (622/073)                           | ... | ... | ... | ... | 1 |                         |
| 20 | 99-0506        | Float chamber (622/050)                          | ... | ... | ... | ... | 1 |                         |
| 21 | 99-0511        | Float needle (622/068)                           | ... | ... | ... | ... | 1 |                         |
| 22 | 99-0438        | Filter (376/093)                                 | ... | ... | ... | ... | 1 |                         |
| 23 | 99-0517        | Banjo bolt (622/078)                             | ... | ... | ... | ... | 1 |                         |
| 24 | 99-0437        | Fibre washer (376/092)                           | ... | ... | ... | ... | 1 |                         |
| 25 | 6/132A         | Ferrule                                          | ... | ... | ... | ... | 1 |                         |
| 26 | 4/035          | Cable adjuster                                   | ... | ... | ... | ... | 1 |                         |
| 27 | 99-0224        | Nut (5/077)                                      | ... | ... | ... | ... | 1 |                         |
| 28 | 622/062        | Air slide                                        | ... | ... | ... | ... | 1 |                         |
| 29 | 99-1038        | Air slide spring (622/129)                       | ... | ... | ... | ... | 1 |                         |
| 30 | F9268          | Petrol pipe                                      | ... | ... | ... | ... | 1 | T90, T100S              |
| 30 | F9271          | Petrol pipe                                      | ... | ... | ... | ... | 1 | T100C                   |



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

### CARBURETTER, T100T AND T100R

|    |                |                                                  |     |     |     |     |   |            |
|----|----------------|--------------------------------------------------|-----|-----|-----|-----|---|------------|
| 1  | D775           | CARBURETTER L626/9                               | ... | ... | ... | ... | 1 | Left       |
| 1  | D776           | CARBURETTER R626/10                              | ... | ... | ... | ... | 1 | Right      |
| 2  | Reference only | Mixing chamber                                   | ... | ... | ... | ... | 1 |            |
| 3  | 99-0522        | "O" ring seal (622/101)                          | ... | ... | ... | ... | 2 |            |
| 4  | 99-1049        | Mixing chamber top (622/097)                     | ... | ... | ... | ... | 2 |            |
| 5  | 99-0521        | Screw (622/086)                                  | ... | ... | ... | ... | 2 |            |
| 6  | 99-1050        | Throttle valve (3 cutaway) (622/060)             | ... | ... | ... | ... | 2 |            |
| 7  | 99-0509        | Throttle return spring (copper plated) (622/065) | ... | ... | ... | ... | 2 |            |
| 8  | 99-0516        | Throttle stop screw (622/077)                    | ... | ... | ... | ... | 2 |            |
| 9  | 99-0515        | Air adjusting screw (622/076)                    | ... | ... | ... | ... | 2 |            |
| 10 | 99-0520        | "O" ring (622/082)                               | ... | ... | ... | ... | 4 |            |
| 11 | 99-1034        | Jet holder (622/128)                             | ... | ... | ... | ... | 2 |            |
| 12 | 99-0445        | Main jet (size 160) (376/100)                    | ... | ... | ... | ... | 2 |            |
| 13 | 99-1035        | Needle jet (size .106) (622/122)                 | ... | ... | ... | ... | 2 |            |
| 14 | 99-1036        | Needle (622/124)                                 | ... | ... | ... | ... | 2 |            |
| 15 | 99-0510        | Needle clip (622/067)                            | ... | ... | ... | ... | 2 |            |
| 16 | 99-1051        | Air valve guide sleeve (622/134)                 | ... | ... | ... | ... | 2 |            |
| 17 | 99-0512        | Float (622/069)                                  | ... | ... | ... | ... | 2 |            |
| 18 | 99-0513        | Float spindle (622/071)                          | ... | ... | ... | ... | 2 |            |
| 19 | 99-0514        | Joint washer (622/073)                           | ... | ... | ... | ... | 2 |            |
| 20 | 99-0506        | Float chamber (622/050)                          | ... | ... | ... | ... | 2 |            |
| 21 | 99-0511        | Float needle (622/068)                           | ... | ... | ... | ... | 2 |            |
| 22 | 99-0438        | Filter (376/093)                                 | ... | ... | ... | ... | 2 |            |
| 23 | 99-0517        | Banjo bolt (622/078)                             | ... | ... | ... | ... | 2 |            |
| 24 | 99-0437        | Fibre washer (376/092)                           | ... | ... | ... | ... | 2 |            |
| 25 | 6/132A         | Ferrule                                          | ... | ... | ... | ... | 1 |            |
| 26 | 4/035          | Cable adjuster                                   | ... | ... | ... | ... | 1 |            |
| 27 | 99-0224        | Nut (51077)                                      | ... | ... | ... | ... | 1 |            |
| 28 | 622/062        | Air slide                                        | ... | ... | ... | ... | 1 |            |
| 29 | 99-1038        | Air slide spring (622/129)                       | ... | ... | ... | ... | 1 |            |
| 30 | F9268          | Petrol pipe                                      | ... | ... | ... | ... | 1 | T90, T100S |
| 30 | F9271          | Petrol pipe                                      | ... | ... | ... | ... | 1 | T100C      |



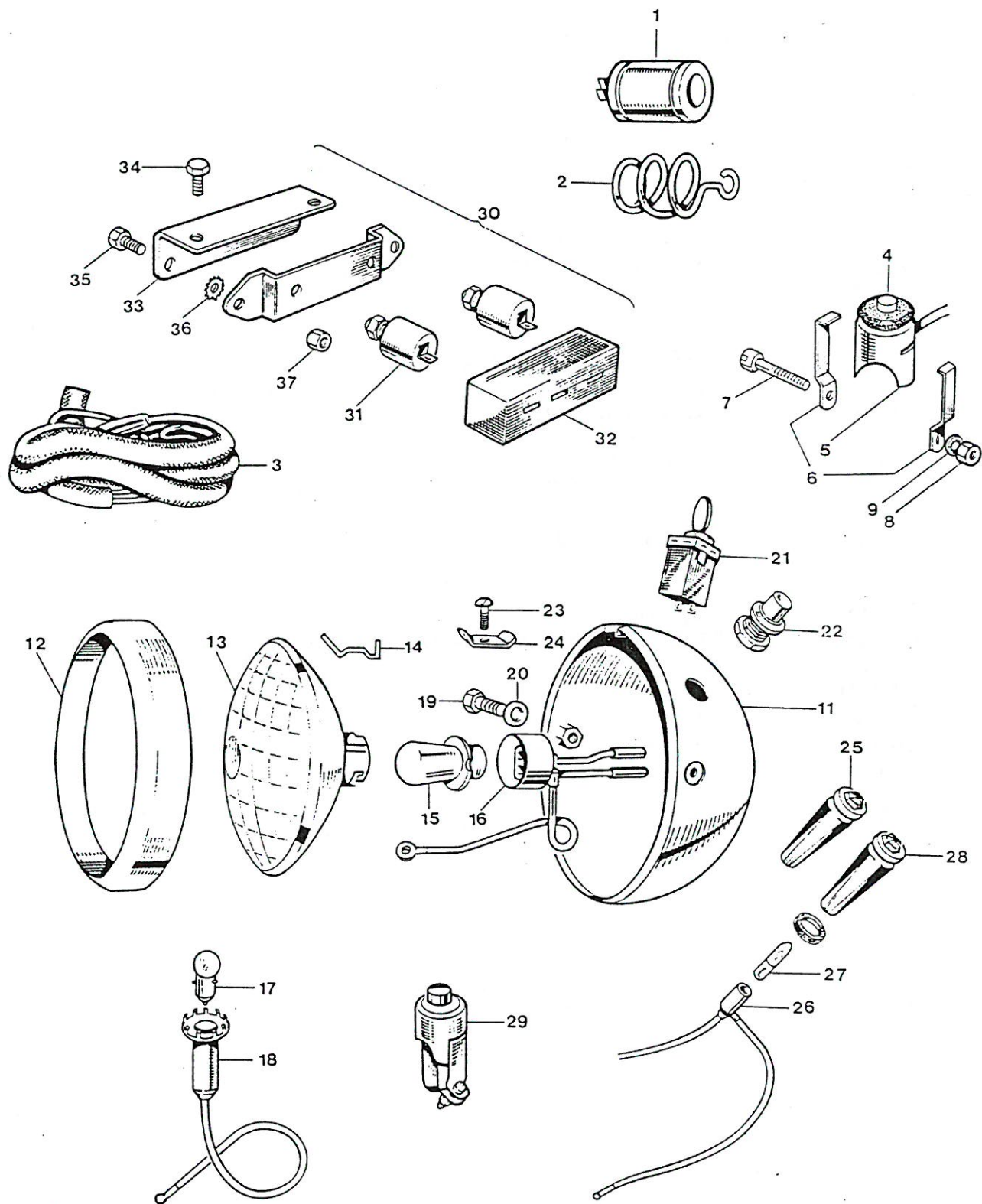


Fig. 32. IGNITION CAPACITOR AND T100C HEADLAMP

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

### IGNITION CAPACITOR AND T100C HEADLAMP

|    |          |                                                   |     |           |
|----|----------|---------------------------------------------------|-----|-----------|
| 1  | 99-0737  | Ignition capacitor (type 2MC) (54170009) ...      | ... | Available |
| 2  | 99-0778  | Capacitor mounting spring (54483156) ...          | ... | Available |
| 3  | 99-1039  | Wiring harness (54955719) ...                     | ... | 1 T100C   |
| 4  | 99-0564  | Kill-button, type 151SA (35835) ...               | ... | 1         |
| 5  | H2259    | Cup ...                                           | ... | 1         |
| 6  | H2034    | Clip ...                                          | ... | 2         |
| 7  | H687     | Bolt ( $\frac{3}{8}$ in. U.H.) ...                | ... | 1         |
| 8  | H745     | Nut ...                                           | ... | 1         |
| 9  | F5299    | Serrated washer ...                               | ... | 1         |
| 10 | 99-1041  | HEADLAMP ASSEMBLY, MCH 66 (54524526) ...          | ... | 1         |
| 11 | 54524000 | Shell only ...                                    | ... | 1         |
| 12 | 99-0691  | Rim (534343) ...                                  | ... | 1         |
| 13 | 99-0688  | Light unit (516828) ...                           | ... | 1         |
| 14 | 99-0683  | Fixing wire (504665) ...                          | ... | 6         |
| 15 | 99-1042  | Bulb (40/27 W. Vertical Dip, Pre-focus) (464) ... | ... | 1         |
| 16 | 99-0695  | Bulb holder-pilot (554710) ...                    | ... | 1         |
| 17 | 99-0548  | Bulb (3W. M.C.C.) (989) ...                       | ... | 1         |
| 18 | 99-1003  | Adaptor c/w leads (54520540) ...                  | ... | 1         |
| 19 | 99-1004  | Bolt (112201) ...                                 | ... | 2         |
| 20 | 99-1005  | Washer (137498) ...                               | ... | 2         |
| 21 | 99-0563  | Lighting switch (35710) ...                       | ... | 1         |
| 22 | 99-0556  | Dip switch (31620) ...                            | ... | 1         |
| 23 | 144921   | Screw ...                                         | ... | 1         |
| 24 | 99-0690  | Plate (534296) ...                                | ... | 1         |
| 25 | 99-0568  | Warning light, Red (38189) ...                    | ... | 1         |
| 26 | 99-0803  | Warning bulbholder (54945043) ...                 | ... | 1         |
| 27 | 99-0537  | Bulb (2W. BA7S) (281) ...                         | ... | 2         |
| 28 | 99-0569  | Warning light, Green (38191) ...                  | ... | 1         |
| 29 | D553     | Horn push, Clear Hooters No. 10 ...               | ... | 1         |

### CONDENSER PACK - ALL MODELS

|    |         |                                     |     |   |
|----|---------|-------------------------------------|-----|---|
| 30 | 99-0588 | Condenser pack 2CP (47638) ...      | ... | 1 |
| 31 | 99-1043 | Condenser (54420128) ...            | ... | 2 |
| 32 | 99-0767 | Cover (54418528) ...                | ... | 1 |
| 33 | F8082   | Condenser pack bracket ...          | ... | 1 |
| 34 | F4771   | Bolt, bracket to frame ...          | ... | 2 |
| 35 | F10033  | Bolt, condenser pack to bracket ... | ... | 2 |
| 36 | GS299   | Spring washer ...                   | ... | 2 |
| 37 | F3799   | Nut ...                             | ... | 2 |

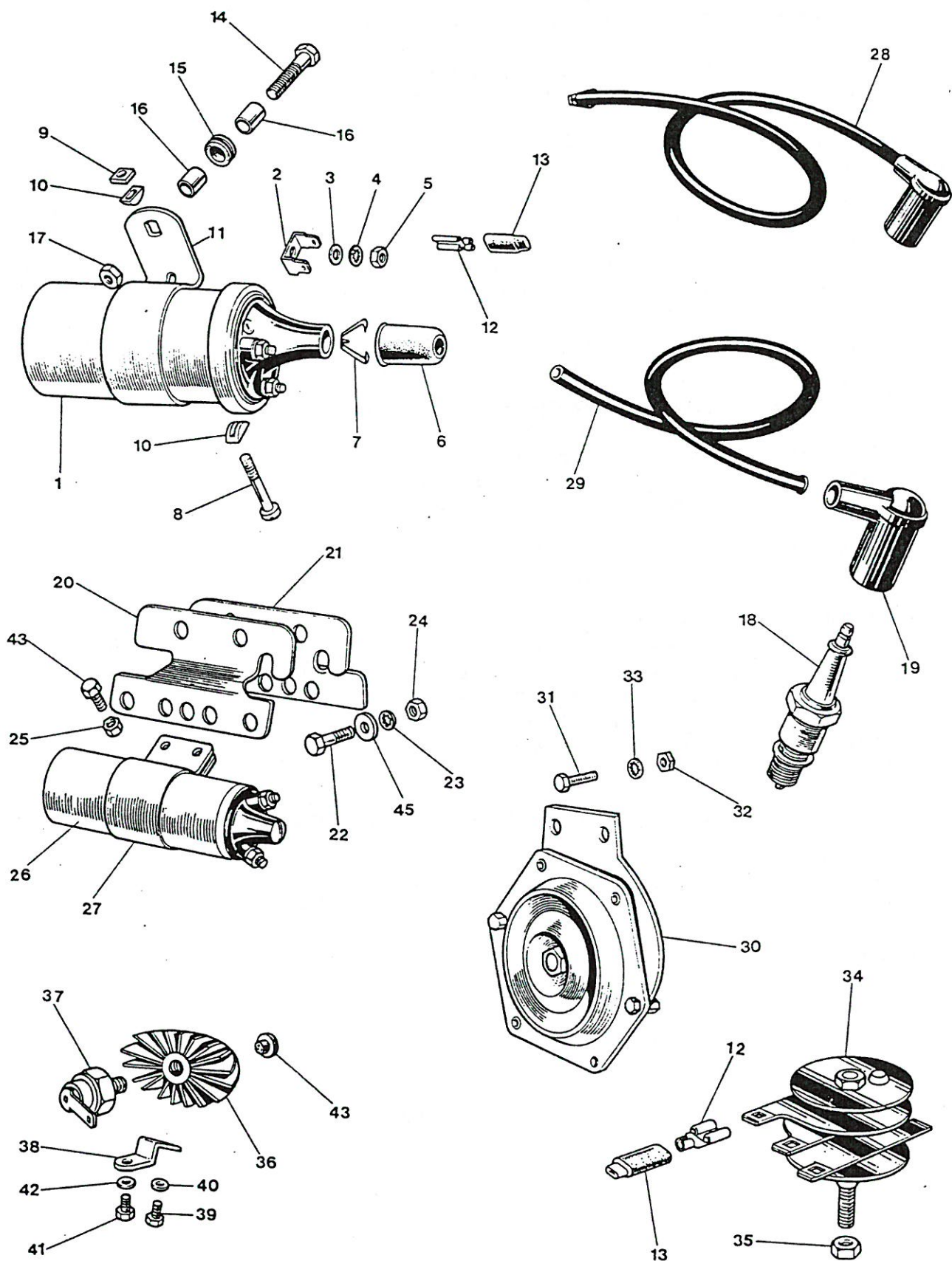


Fig. 32. IGNITION COILS, HORN, RECTIFIER AND ZENER DIODE

| Ref. No.                                               | Part No     | DESCRIPTION                         | QUANTITY    | REMARKS              |
|--------------------------------------------------------|-------------|-------------------------------------|-------------|----------------------|
| <b>IGNITION COILS, HORN, RECTIFIER AND ZENER DIODE</b> |             |                                     |             |                      |
| 1                                                      | 99-0574     | Ignition coil, Type MA12 (45110)    | 2           | T90, T100S and T100T |
| 2                                                      | 54190108    | Lucar terminal ...                  | 4           |                      |
| 3                                                      | 131023      | Plain washer (E2351) ...            | 4           |                      |
| 4                                                      | 188330      | Serrated washer (GS299) ...         | 4           |                      |
| 5                                                      | 166043      | Nut (F3799) ...                     | 4           |                      |
| 6                                                      | 99-0643     | Rubber cover (421554) ...           | 2           |                      |
| 7                                                      | 99-0644     | Cable clip (421863) ...             | 2           |                      |
| 8                                                      | 100104      | Screw ...                           | 2           |                      |
| 9                                                      | 169160      | Square nut ...                      | 2           |                      |
| 10                                                     | 99-0645     | "D" washer (422369) ...             | 4           |                      |
| 11                                                     | 99-1052     | Coil clip (54416636) ...            | 2           |                      |
| 12                                                     | 99-0799     | Lucar connector (54942078) ...      | As required |                      |
| 13                                                     | 99-0738     | Insulating cover (54190042) ...     | As required |                      |
| 14                                                     | 14-0206     | Bolt ( $1\frac{3}{4}$ in. U.H.) ... | 2           |                      |
| 15                                                     | F5466       | Rubber grommet ...                  | 2           |                      |
| 16                                                     | F5467       | Distance piece ...                  | 4           |                      |
| 17                                                     | 14-0701     | Self-locking nut ...                | 2           |                      |
| 18                                                     | N4          | Sparking plug (Champion N4) ...     | 2           |                      |
| 19                                                     | D262        | Plug cover ...                      | 2           |                      |
| 20                                                     | F7182       | Left coil bracket ...               | 1           | T100R, T100C         |
| 21                                                     | F7331       | Right coil bracket ...              | 1           |                      |
| 22                                                     | 14-0114     | Bolt ( $\frac{1}{8}$ in. U.H.) ...  | 2           |                      |
| 23                                                     | S26-3       | Spring washer ...                   | 2           |                      |
| 24                                                     | 14-0302     | Nut ...                             | 2           |                      |
| 25                                                     | 14-0301     | Nut ...                             | 6           |                      |
| 26                                                     | E6388       | Ignition coil, Siba 32,000 ...      | 2           |                      |
| 27                                                     | E6389       | Clip, Siba 32,000/1 ...             | 2           |                      |
| 28                                                     | 54937976    | H.T. lead complete (resistive) ...  | 2           |                      |
| 29                                                     | 842183      | H.T. lead (7 mm. cable) ...         | 2           | T100R                |
| 30                                                     | F7552       | Horn (Clearhooter 27899) ...        | 1           |                      |
| 31                                                     | F4771       | Screw ( $\frac{3}{8}$ in. U.H.) ... | 2           |                      |
| 32                                                     | F3799       | Nut ...                             | 3           |                      |
| 33                                                     | GS299       | Serrated washer ...                 | 3           |                      |
| 34                                                     | 99-0589     | Rectifier, type 2DS 506 (49072) ... | 1           |                      |
| 35                                                     | F5338       | Nut (156 596) ...                   | 1           |                      |
| 36                                                     | H2237       | Heat sink ...                       | 1           |                      |
| 37                                                     | 99-0590     | Zener diode (49345) ...             | 1           |                      |
| 38                                                     | H2236       | Heat sink bracket ...               | 1           |                      |
| 39                                                     | 14-6102/001 | Bolt ...                            | 1           |                      |
| 40                                                     | S26-2       | Washer ...                          | 1           |                      |
| 41                                                     | 14-0113/001 | Bolt, bracket to fork lug ...       | 1           |                      |
| 42                                                     | S26-3       | Washer ...                          | 1           |                      |
| 43                                                     | H2275       | Plug, heatsink ..                   | 1           |                      |
| 44                                                     | 14-0103     | Bolt ( $\frac{5}{8}$ in. U.H.) ...  | 4           |                      |
| 45                                                     | F2184       | Distance piece ...                  | 1           |                      |



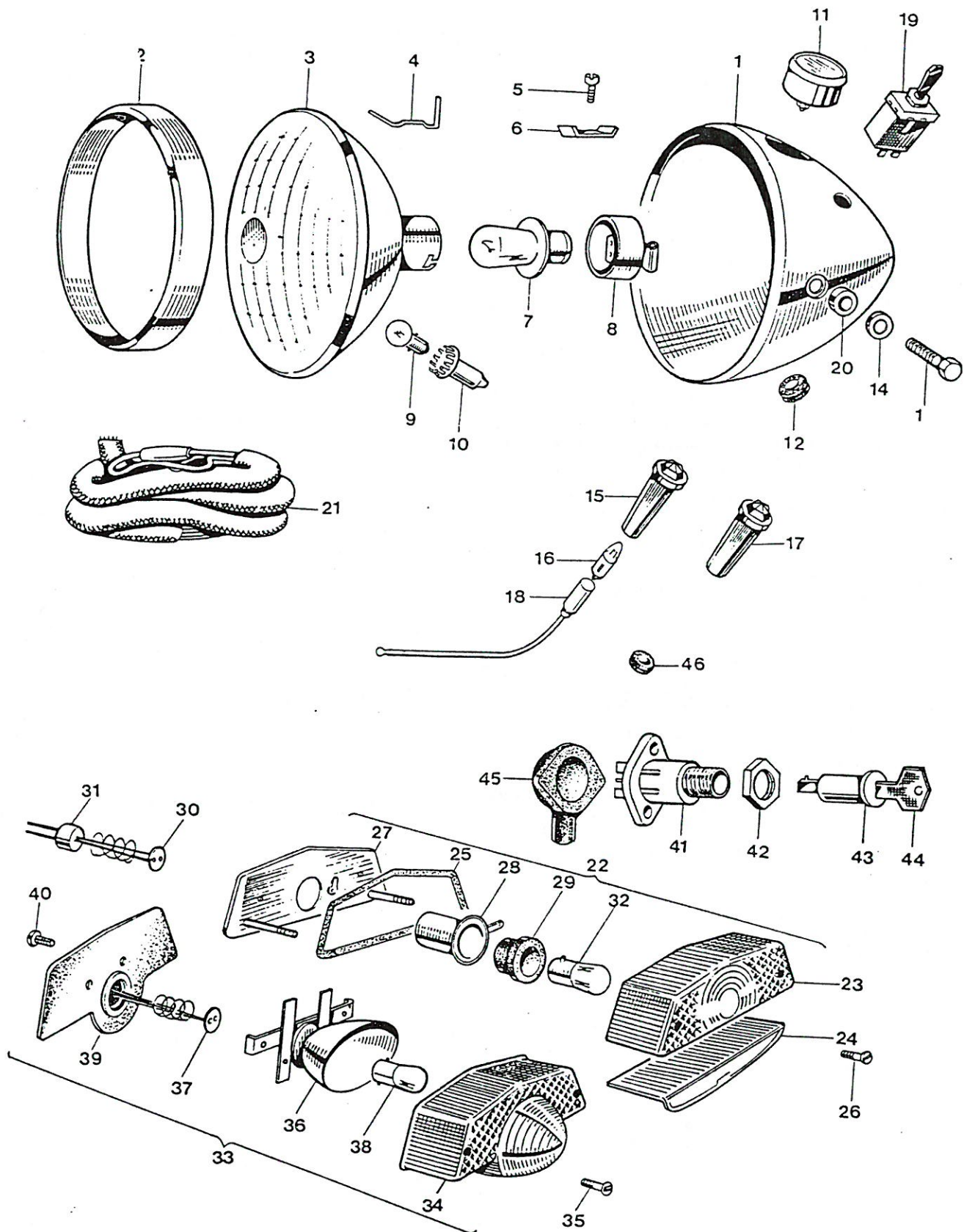


Fig. 33. HEADLAMP, WIRING HARNESS, SWITCHES AND TAIL LAMP

# HEADLAMP, WIRING HARNESS, SWITCHES AND TAIL LAMP

|    |          |                                                 |   |                                |
|----|----------|-------------------------------------------------|---|--------------------------------|
| 1  | D2028    | HEADLAMP COMPLETE SS700P, 59883 ... ..          | 1 | T90, T100, T100S, T100C, T100R |
| 1  | 54523999 | Shell only ... ..                               | 1 |                                |
| 2  | 99-0692  | Rim (553248) ... ..                             | 1 |                                |
| 3  | 99-0686  | Light unit (516798) ... ..                      | 1 |                                |
| 4  | 99-0683  | Fixing wire (504665) ... ..                     | 6 |                                |
| 5  | 144921   | Screw ... ..                                    | 1 |                                |
| 6  | 99-0690  | Plate (534296) ... ..                           | 1 |                                |
| 7  | 99-0545  | Bulb (50/40W. Vert dip. Pre-focus) (446) ... .. | 1 |                                |
| 8  | 99-1003  | Main bulbholder (54520540) ... ..               | 1 |                                |
| 9  | 99-0548  | Bulb (3W. M.C.C.) (989) ... ..                  | 1 |                                |
| 10 | 99-0695  | Pilot bulbholder (554710) ... ..                | 1 |                                |
| 11 | 99-1044  | Ammeter, type 2AR (36403) ... ..                | 1 |                                |
| 12 | 862217   | Grommet ... ..                                  | 1 |                                |
| 13 | 99-1004  | Bolt (112001) ... ..                            | 2 |                                |
| 14 | 99-1005  | Plain washer (137498) ... ..                    | 2 |                                |
| 15 | 99-0568  | Warning light body (Red) (38189) ... ..         | 1 |                                |
| 16 | 99-0537  | Bulb (2W. BA7S) (281) ... ..                    | 1 |                                |
| 17 | 99-0569  | Warning light body (Green) (38191) ... ..       | 1 |                                |
| 18 | 99-0803  | Warning bulbholder (54945043) ... ..            | 2 |                                |
| 19 | 99-0563  | Lighting switch, type 57SA (35710) ... ..       | 1 |                                |
| 20 | H1932    | Distance piece ... ..                           | 2 |                                |
| 21 | 99-1045  | Wiring harness (54955257) ... ..                | 1 |                                |
| 22 | 99-0595  | STOP AND TAIL LAMP, Type 564 (53454) ... ..     | 1 | T90, T100S, T100T              |
| 23 | 573839   | Lens... ..                                      | 1 |                                |
| 24 | 575200   | Window ... ..                                   | 1 |                                |
| 25 | 99-0703  | Lens seating gasket (575208) ... ..             | 1 |                                |
| 26 | 99-0704  | Sleeve nut (575219) ... ..                      | 2 |                                |
| 27 | 576002   | Base assembly ... ..                            | 1 |                                |
| 28 | 575209   | Bulbholder ... ..                               | 1 |                                |
| 29 | 99-0702  | Grommet (575207) ... ..                         | 1 |                                |
| 30 | 99-0701  | Contact assembly (573828) ... ..                | 1 |                                |
| 31 | 99-0700  | Grommet (573825) ... ..                         | 1 |                                |
| 32 | 99-0542  | Bulb (6/12W. Offset pin) (380) ... ..           | 2 | T100R, T100C                   |
| 33 | 99-0597  | STOP AND TAIL LAMP, Type L679 (53973) ... ..    | 1 |                                |
| 34 | 99-1046  | Lens (54577109) ... ..                          | 1 |                                |
| 35 | 99-0698  | Screw (572289) ... ..                           | 2 |                                |
| 36 | 99-0783  | Bulb holder with reflector (54574348) ... ..    | 1 |                                |
| 37 | 99-0701  | Contact assembly ... ..                         | 1 |                                |
| 38 | 99-0542  | Bulb (6/21W. Offset pin) (380) ... ..           | 1 |                                |
| 39 | 54571677 | Gasket ... ..                                   | 1 |                                |
| 40 | 110714   | Screw ... ..                                    | 2 |                                |
| 41 | 99-0558  | Ignition switch, type S45 (31899) ... ..        | 1 |                                |
| 42 | 99-1000  | Nut ... ..                                      |   | Reference only                 |
| 43 | F6981    | IGNITION LOCK c/w KEYS ... ..                   | 1 |                                |
| 44 | D622     | Ignition key (state serial number) ... ..       |   | As required                    |
| 45 | H2262    | Ignition switch cover ... ..                    | 1 |                                |
| 46 | 199001   | Grommet for tail lamp lead ... ..               | 1 |                                |

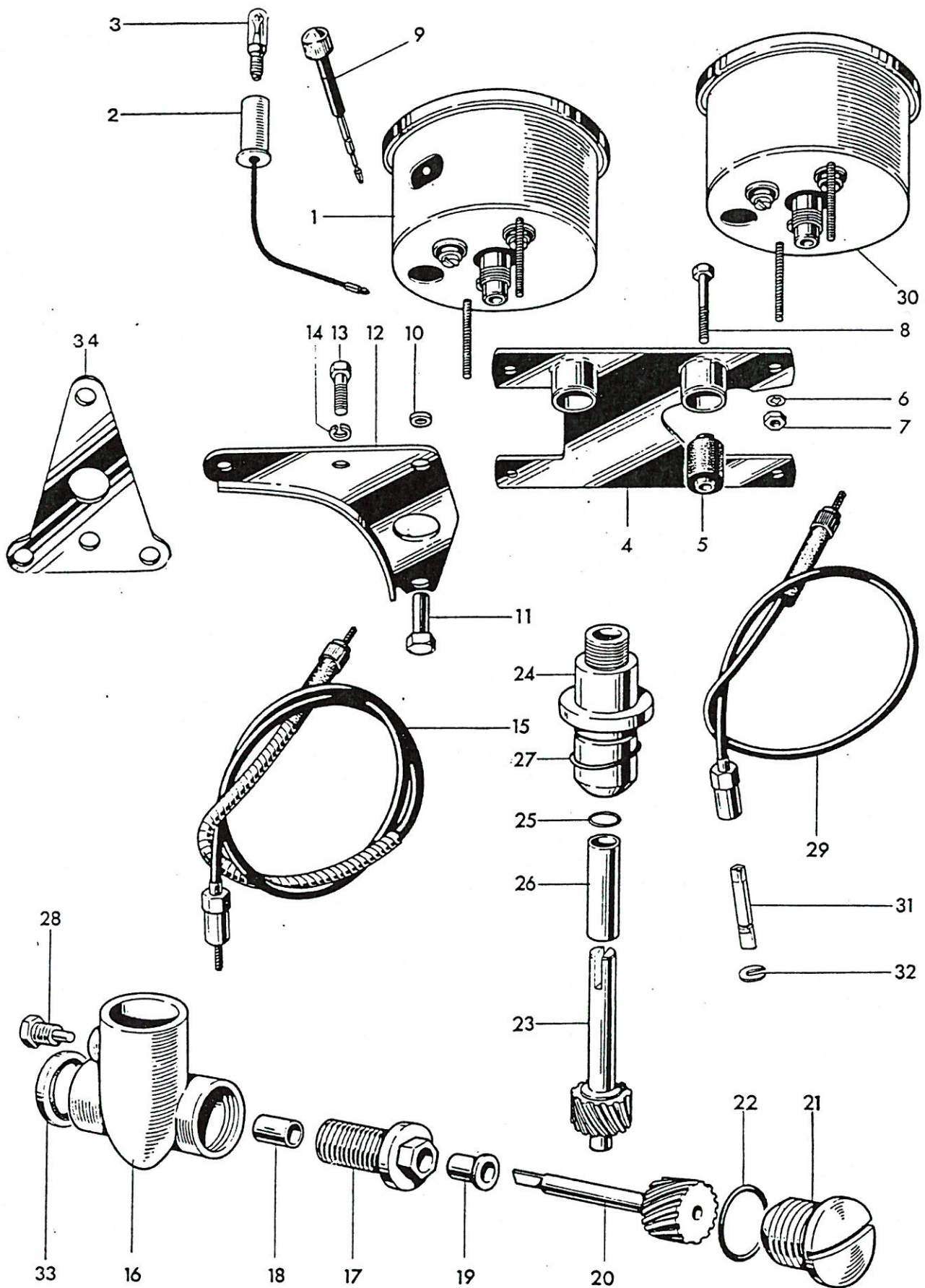


Fig. 34. SPEEDOMETER AND TACHOMETER

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

## SPEEDOMETER AND TACHOMETER

|    |                |                                                     |   |                           |
|----|----------------|-----------------------------------------------------|---|---------------------------|
| 1  | 99-0159        | Speedometer head MPH (SSM5001/00)                   | 1 | Alternative               |
| 1  | 99-0160        | Speedometer head KPH (SSM5001/01)                   | 1 |                           |
| 2  | 99-0695        | Bulb holder (554710)                                | 1 | T100R                     |
| 3  | 643            | Bulb, 3.W. M.E.S.                                   | 1 |                           |
| 4  | H1946          | MOUNTING BRACKET                                    | 1 |                           |
| 5  | H1929          | Metalastik bush                                     | 2 |                           |
| 6  | 30-282-014-11  | Washer                                              | 2 |                           |
| 7  | 30-276-037-11  | Nut                                                 | 2 | T100S, T100C and<br>T100T |
| 8  | S590           | Bolt (1 $\frac{3}{8}$ in. U.H.)                     | 2 |                           |
| 9  | 41-148-203-10  | Trip control                                        | 1 |                           |
| 10 | H1702          | Distance piece                                      | 2 |                           |
| 11 | H1701          | Sleeve nut                                          | 2 |                           |
| 12 | H1668          | Bracket (for U.S. models substitute line 34)        | 1 | Smiths DF9110,00          |
| 13 | 14-0101/001    | Bolt ( $\frac{1}{2}$ in. U.H.)                      | 2 |                           |
| 14 | S26-2          | Spring washer                                       | 2 |                           |
| 15 | D692           | Speedometer cable (63 ins. long) (D692W inner only) | 1 |                           |
| 16 | E9438          | TACHOMETER GEARBOX (Body E5757)                     | 1 |                           |
| 17 | E9332          | Securing screw                                      | 1 | T100R                     |
| 18 | E5156          | Bush                                                | 1 |                           |
| 19 | Reference only | Flanged bush                                        | 1 |                           |
| 20 | E5157          | Driving gear                                        | 1 |                           |
| 21 | E5759          | End cap                                             | 1 |                           |
| 22 | E6300          | "O" ring                                            | 1 |                           |
| 23 | E5578          | Driven gear                                         | 1 |                           |
| 24 | E6122          | Driven gear housing                                 | 1 |                           |
| 25 | E6299          | "O" ring                                            | 1 |                           |
| 26 | Reference only | Bush                                                | 1 |                           |
| 27 | E3309          | "O" ring                                            | 1 | T100C                     |
| 28 | E5881          | Set screw                                           | 1 |                           |
| 29 | D578           | Tachometer cable (D578W inner only)                 | 1 |                           |
| 30 | 99-0166        | Tachometer                                          | 1 |                           |
| 31 | 99-0173        | Spade                                               | 1 |                           |
| 32 | D494           | Circlip                                             | 1 |                           |
| 33 | E7351          | Sealing washer                                      | 1 |                           |
| 34 | H2138          | Mounting bracket                                    | 1 |                           |



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