

20-10101C



# **REPLACEMENT PARTS CATALOGUE No. 7**

"C" RANGE MODELS

TWENTY-ONE (3TA)

SPEED TWIN (5TA)

TIGER 90 (T90)

TIGER 100 (T100)

from Engine No. H 40528

September 1965

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

## 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.

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# 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 fitments such as windscreens, driving mirrors, tools, etc., removed by the sender before despatch, as it is impossible for us to accept responsibility in the event of loss in transit. We are always pleased to give estimates for overhauling and repairs, but should an estimate not be accepted, a charge will be made covering cost of dismantling and re-assembling, if carried out.

Communications relating to Parts should be addressed to the SPARES 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 Motor Accessories Ltd.,  
Cricklewood Works, London, N.W.2.

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

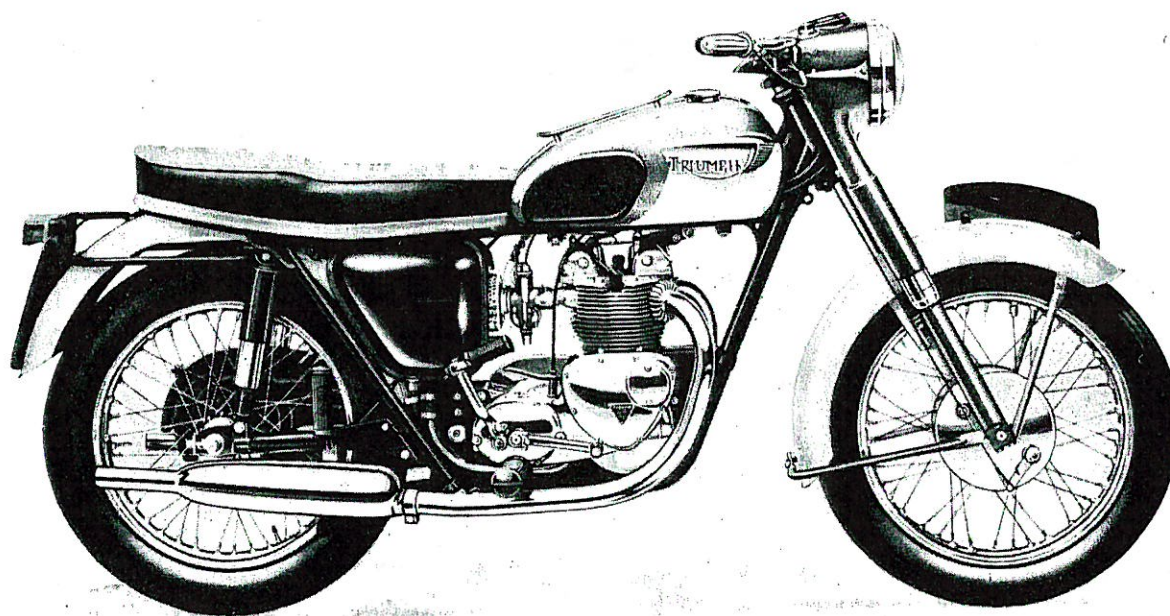
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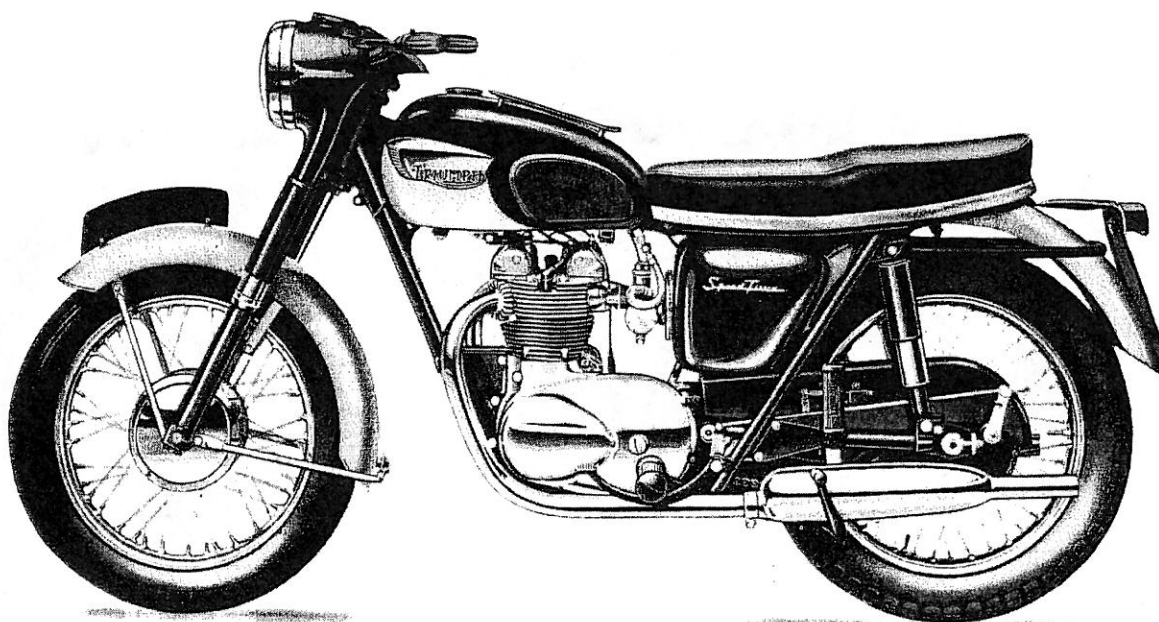
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## TWENTY-ONE (3TA) TECHNICAL DATA

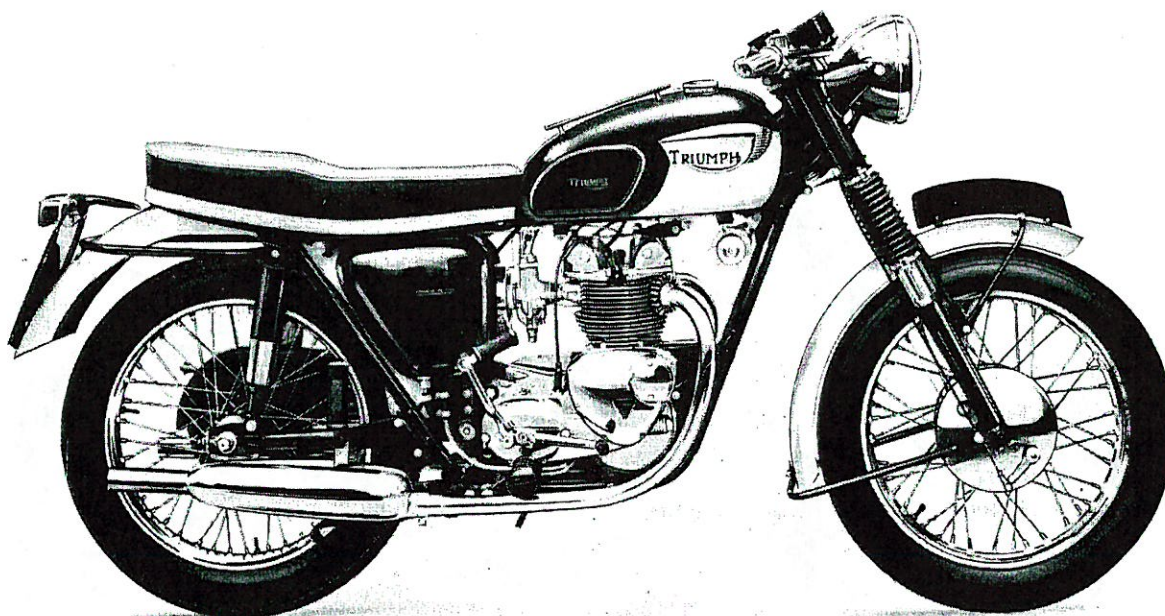
|                   |                          |                                            |
|-------------------|--------------------------|--------------------------------------------|
| Bore and stroke   |                          | 58.25 x 65.5 mm.<br>2.292 in. x 2.578 ins. |
| Capacity          |                          | 348 c.c. (21.23 cu. ins.).                 |
| Compression Ratio |                          | 7.5 : 1                                    |
| Sparking Plugs    |                          | Champion N4                                |
| Carburetter       |                          | Amal Monobloc 375                          |
|                   | Main Jet                 | 100                                        |
|                   | Needle Jet               | .106                                       |
|                   | Needle                   | Type B                                     |
|                   | Throttle Valve           | 375/3½                                     |
|                   | Pilot Jet                | 25                                         |
| Gearbox Sprocket  |                          | 17 teeth                                   |
| Chains            | Front                    | ¾ in. Duplex x 78 links                    |
|                   | Rear                     | ¾ in. x ¾ in. x 102 links                  |
| Capacities        | Fuel Tank                | 3½ galls. (16 litres)                      |
|                   | Oil Tank                 | 6 pints (3.5 litres)                       |
|                   | Gearbox                  | 2/3 pint (375 c.c.)                        |
|                   | Primary Chaincase        | ½ pint (300 c.c.)                          |
|                   | Front Forks (each leg)   | ⅓ pint (190 c.c.)                          |
| Brakes            | Front and Rear, diameter | 7 in. (17.78 cm.)                          |
|                   | Front                    | 3.25 x 18                                  |
| Tyre Size         | Rear                     | 3.50 x 18                                  |





### SPEED TWIN (5TA) TECHNICAL DATA

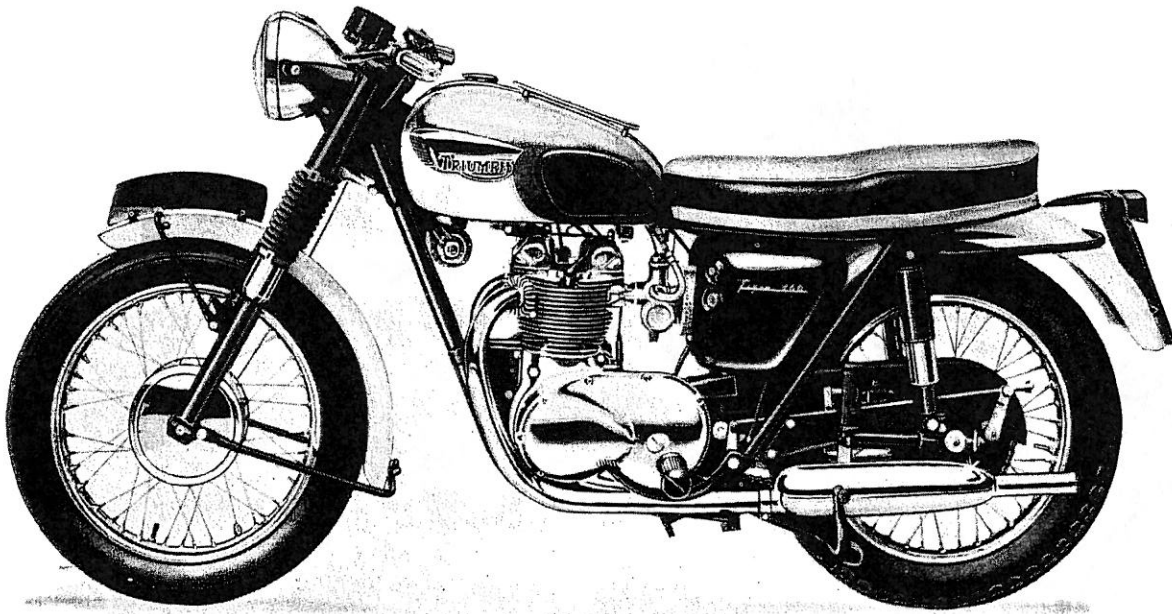
|                   |                          |                                                   |
|-------------------|--------------------------|---------------------------------------------------|
| Bore and Stroke   |                          | 69 x 65.5 mm.<br>2.716 x 2.578 ins.               |
| Capacity          |                          | 490 c.c. (29.8 cu. ins.)                          |
| Compression Ratio |                          | 7 : 1                                             |
| Sparking Plugs    |                          | Champion N4                                       |
| Carburetter       |                          | Amal Monobloc 375                                 |
|                   | Main Jet                 | 160                                               |
|                   | Needle Jet               | .105                                              |
|                   | Needle                   | Type B                                            |
|                   | Throttle Valve           | 375/3                                             |
|                   | Pilot Jet                | 25                                                |
| 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        | Fuel Tank                | 3 $\frac{1}{2}$ galls. (16 litres)                |
|                   | Oil Tank                 | 6 pints (3.5 litres)                              |
|                   | Gearbox                  | 2/3 pint (375 c.c.)                               |
|                   | Primary Chaincase        | $\frac{1}{2}$ pint (300 c.c.)                     |
|                   | Front Forks (each leg)   | $\frac{1}{8}$ pint (190 c.c.)                     |
| Brakes            | Front and Rear, diameter | 7 in. (17.78 cm.)                                 |
| Tyre Size         | Front                    | 3.25 x 18                                         |
|                   | Rear                     | 3.50 x 18                                         |



### TIGER 90 (T90) TECHNICAL DATA

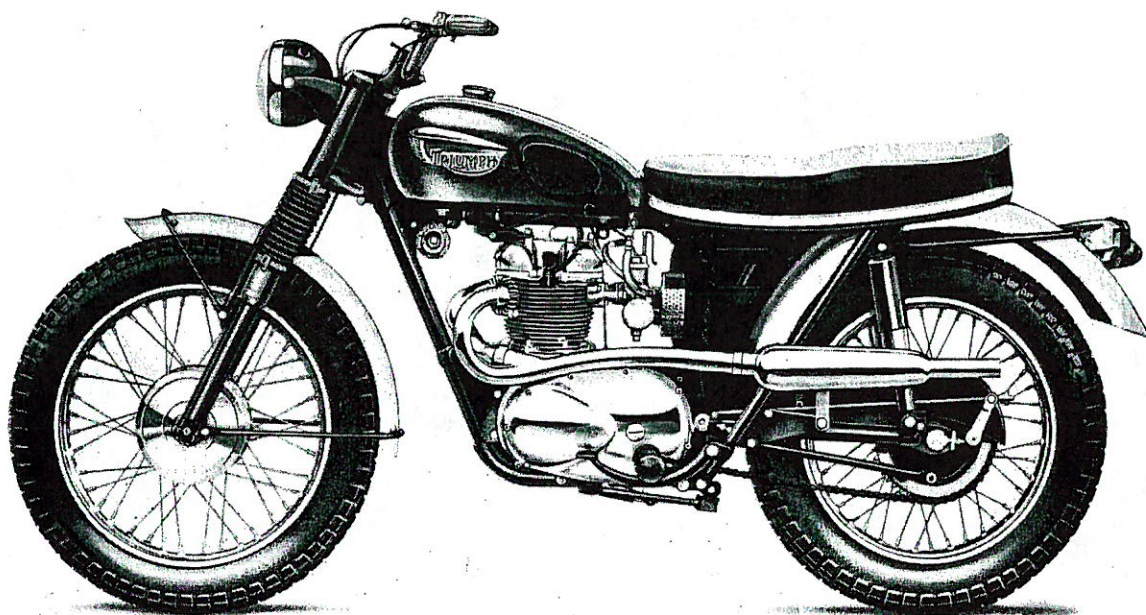
|                   |                          |                                        |
|-------------------|--------------------------|----------------------------------------|
| Bore and Stroke   |                          | 58.25 x 65.5 mm.<br>2.292 x 2.578 ins. |
| Capacity          |                          | 348 c.c. (21.23 cu. ins.)              |
| Compression Ratio |                          | 9 : 1                                  |
| Sparking Plugs    |                          | Champion N4                            |
| Carburetter       |                          | Amal Monobloc                          |
|                   | Main Jet                 | 180                                    |
|                   | Needle Jet               | .106                                   |
|                   | Needle                   | Type C                                 |
|                   | Throttle Valve           | 376/3½                                 |
|                   | Pilot Jet                | 20                                     |
| Gearbox Sprocket  |                          | 17 teeth                               |
| Chains            | Front                    | 3/8 in. Duplex x 78 links              |
|                   | Rear                     | 5/8 in. x 3/8 in. x 102 links          |
| Capacities        | Fuel Tank                | 3½ galls. (16 litres)                  |
|                   | Oil Tank                 | 6 pints (3.5 litres)                   |
|                   | Gearbox                  | 2/3 pint (375 c.c.)                    |
|                   | Primary Chaincase        | ½ pint (300 c.c.)                      |
|                   | Front Forks (each leg)   | 1/8 pint (190 c.c.)                    |
| Brakes            | Front and Rear, diameter | 7 in. (17.78 cm.)                      |
| Tyre Size         | Front                    | 3.25 x 18                              |
|                   | Rear                     | 3.50 x 18                              |





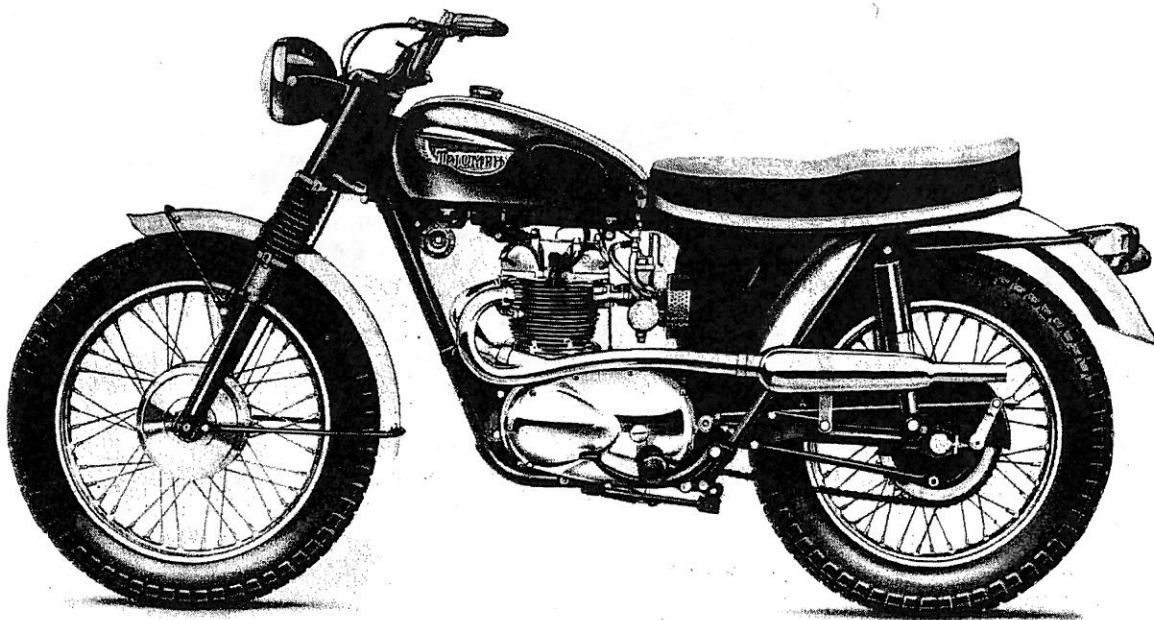
### TIGER 100 (T100) TECHNICAL DATA

|                   |                          |                                     |
|-------------------|--------------------------|-------------------------------------|
| 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                         |
| Carburettor       |                          | Amal Monobloc                       |
|                   | Main Jet                 | 190                                 |
|                   | Needle Jet               | .106                                |
|                   | Needle                   | Type C                              |
|                   | Throttle Valve           | 376/3½                              |
|                   | Pilot Jet                | 25                                  |
| Gearbox Sprocket  |                          | 18 teeth                            |
| Chains            | Front                    | ¾ in. Duplex x 78 links             |
|                   | Rear                     | ¾ in. x ¾ in. x 102 links           |
| Capacities        | Fuel Tank                | 3½ galls. (16 litres)               |
|                   | Oil Tank                 | 6 pints (3.5 litres)                |
|                   | Gearbox                  | 2/3 pint (375 c.c.)                 |
|                   | Primary Chaincase        | ½ pint (300 c.c.)                   |
|                   | Front Forks (each leg)   | ⅓ pint (190 c.c.)                   |
| Brakes            | Front and Rear, diameter | 7 in. (17.18 cm.)                   |
| Tyre Size         | Front                    | 3.25 x 18                           |
|                   | Rear                     | 3.50 x 18                           |



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

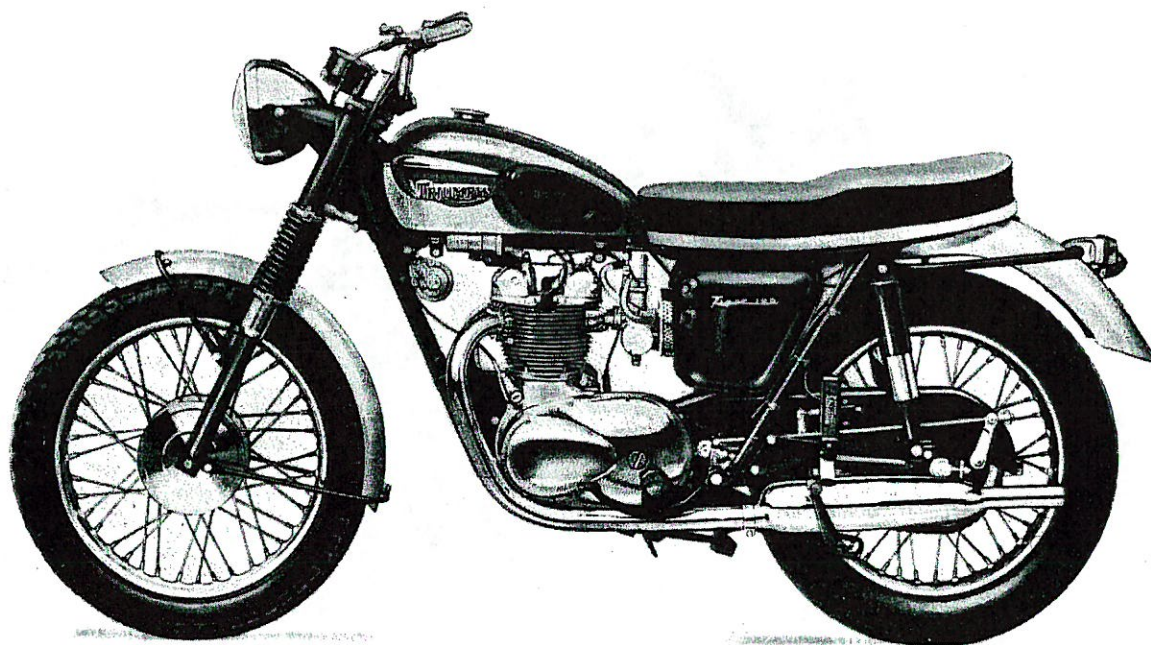
|                   |                          |                           |
|-------------------|--------------------------|---------------------------|
| Bore and Stroke   |                          | 2.716 x 2.578 ins.        |
| Capacity          |                          | 29.8 cu. ins.             |
| Compression Ratio |                          | 9 : 1                     |
| Sparking Plugs    |                          | Champion N4               |
| Carburetter       |                          | Amal Monobloc             |
|                   | Main Jet                 | 190                       |
|                   | Needle Jet               | .106                      |
|                   | Needle                   | Type C                    |
|                   | Throttle Valve           | 376/3½                    |
|                   | Pilot Jet                | 25                        |
| Gearbox Sprocket  |                          | 18 teeth                  |
| Chains            | Front                    | ¾ in. Duplex x 78 links   |
|                   | Rear                     | ¾ in. x ¾ in. x 102 links |
| Capacities        | Gas Tank                 | 2¾ U.S. galls.            |
|                   | Oil Tank                 | 6 U.S. pints              |
|                   | Gearbox                  | 2/3 pint (375 c.c.)       |
|                   | Primary Chaincase        | ½ pint (300 c.c.)         |
|                   | Front Forks (each leg)   | ¼ pint (190 c.c.)         |
| Brakes            | Front and Rear, diameter | 7 in. (17.18 cm.)         |
| Tyre Size         | Front                    | 3.25 x 19                 |
|                   | Rear                     | 4.00 x 18                 |



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

|                   |                          |                           |
|-------------------|--------------------------|---------------------------|
| Bore and Stroke   |                          | 2.716 x 2.578 ins.        |
| Capacity          |                          | 29.8 cu. ins.             |
| Compression Ratio |                          | 9 : 1                     |
| Sparkign Plugs    |                          | Champion N4               |
| Carburetter       |                          | Amal Monobloc             |
|                   | Main Jet                 | 190                       |
|                   | Needle Jet               | .106                      |
|                   | Needle                   | Type C                    |
|                   | Throttle Valve           | 376/3½                    |
|                   | Pilot Jet                | 25                        |
| Gearbox Sprocket  |                          | 18 teeth                  |
| Chains            | Front                    | ¾ in. Duplex x 78 links   |
|                   | Rear                     | ¾ in. x ¾ in. x 102 links |
| Capacities        | Gas Tank                 | 2¾ U.S. galls.            |
|                   | Oil Tank                 | 6 U.S. pints              |
|                   | Gearbox                  | 2/3 pint (375 c.c.)       |
|                   | Primary Chaincase        | ½ pint (300 c.c.)         |
|                   | Front Forks (each leg)   | ¼ pint (190 c.c.)         |
| Brakes            | Front and Rear, diameter | 7 in. (17.18 cm.)         |
| Tyre Size         | Front                    | 3.25 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                   |
| Carburetter       |                          | Amal Monobloc                 |
|                   | Main Jet                 | 190                           |
|                   | Needle Jet               | .106                          |
|                   | Needle                   | Type C                        |
|                   | Throttle Valve           | 376/3½                        |
|                   | Pilot Jet                | 25                            |
| Gearbox Sprocket  |                          | 19 teeth                      |
| Chains            | Front                    | 3/8 in. Duplex x 78 links     |
|                   | Rear                     | 5/8 in. x 3/8 in. x 102 links |
| Capacities        | Gas Tank                 | 2½ U.S. Galls.                |
|                   | Oil Tank                 | 6 U.S. pints                  |
|                   | Gearbox                  | 2/3 pint (375 c.c.)           |
|                   | Primary Chaincase        | ½ pint (300 c.c.)             |
|                   | Front Forks (each leg)   | 1/8 pint (190 c.c.)           |
| Brakes            | Front and Rear, diameter | 7 in. (17.18 cm.)             |
| Tyre Size         | Front                    | 3.25 x 19                     |
|                   | Rear                     | 4.00 x 18                     |

# 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.

| <i>Model</i> | <i>Colour</i>                  | <i>Suffix Letter to Part No.</i> |
|--------------|--------------------------------|----------------------------------|
| 3TA          | PACIFIC BLUE/ALASKAN WHITE     | PB/AW                            |
| 5TA          | BLACK/SILVER                   | W/V                              |
| T90          | GRENADIER RED/ALASKAN WHITE    | GR/AW                            |
| T100         | SHERBOURNE GREEN/ALASKAN WHITE | SG/AW                            |

N.B. Pacific Blue is a flamboyant finish applied over Silver Sheen.

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.

## CARTON PACK LIST

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

| Part No.                                                                    |          | Contents                     |
|-----------------------------------------------------------------------------|----------|------------------------------|
| <b>Brake Lining</b>                                                         |          |                              |
| C.P. 38/AM2                                                                 | 2 NW243  | Brake Lining                 |
|                                                                             | 16 W129  | Rivet                        |
| <b>Steering Races</b>                                                       |          |                              |
| C.P. 167                                                                    | 1 H1110  | Cone                         |
|                                                                             | 1 H1140  | Cone and dust cover          |
|                                                                             | 2 H1130  | Cup                          |
|                                                                             | 48 S70-4 | Steel balls (3/16 in. diam.) |
| <b>Pistons (350 c.c.)</b>                                                   |          |                              |
| C.P. 164                                                                    | 1 E3689  | Piston C.R. 7.5 : 1          |
|                                                                             | 1 E3691  | Compression ring (plain)     |
|                                                                             | 1 E3690  | Compression ring (taper)     |
|                                                                             | 1 E3692  | Oil control ring             |
|                                                                             | 1 E1750  | Gudgeon pin                  |
|                                                                             | 2 E1767  | Circlips                     |
| C.P. 164 is also available in 0.010 in., 0.020 in. and 0.040 in. oversizes. |          |                              |
| C.P. 198                                                                    | 1 E4670  | Piston C.R. 9 : 1            |
|                                                                             | 2 E3690  | Compression ring (taper)     |
|                                                                             | 1 E3692  | Oil control ring             |
|                                                                             | 1 E1750  | Gudgeon pin                  |
|                                                                             | 2 E1767  | Circlips                     |
| C.P. 198 is also available in 0.010 in., 0.020 in. and 0.040 in. oversizes. |          |                              |
| <b>Piston Rings (350 c.c.)</b>                                              |          |                              |
| C.P. 165                                                                    | 2 E3691  | Compression ring (plain)     |
|                                                                             | 2 E3690  | Compression ring (taper)     |
|                                                                             | 2 E3692  | Oil control ring             |
| C.P. 165 is also available in 0.010 in., 0.020 in. and 0.040 in. oversizes. |          |                              |
| <b>Pistons (500 c.c.)</b>                                                   |          |                              |
| C.P. 174                                                                    | 1 E4004  | Piston C.R. 7 : 1            |
|                                                                             | 2 E3829  | Compression ring (taper)     |
|                                                                             | 1 E3831  | Oil control ring             |
|                                                                             | 1 WE203E | Gudgeon pin                  |
|                                                                             | 2 WE479  | Circlips                     |
| C.P. 174 is also available in 0.010 in. and 0.020 in. oversizes.            |          |                              |
| C.P. 179                                                                    | 1 E4021  | Piston C.R. 9 : 1            |
|                                                                             | 2 E3829  | Compression ring (taper)     |
|                                                                             | 1 E3831  | Oil control ring             |
|                                                                             | 1 WE203E | Gudgeon pin                  |
|                                                                             | 2 WE479  | Circlips                     |
| C.P. 179 is also available in 0.010 in. and 0.020 in. oversizes.            |          |                              |
| <b>Piston Rings (500 c.c.)</b>                                              |          |                              |
| C.P. 175                                                                    | 4 E3829  | Compression ring (taper)     |
|                                                                             | 2 E3831  | Oil control ring             |
| C.P. 175 is also available in 0.010 in. and 0.020 in. oversizes.            |          |                              |



# **CARTON PACK LIST—continued**

| <b>Part No.</b>                                                                                      | <b>Contents</b>    |                                               |
|------------------------------------------------------------------------------------------------------|--------------------|-----------------------------------------------|
| C.P. 180                                                                                             | 4 E4135<br>2 E4136 | Compression ring (taper)<br>Oil control rings |
| C.P. 180 can only be fitted to E4021 Piston body, and should only be used for high-performance work. |                    |                                               |
| <b>Valve Guides (3TA, 5TA)</b>                                                                       |                    |                                               |
| C.P. 170                                                                                             | 4 E3208<br>4 E3209 | Valve guides<br>Valve guides circlip          |
| <b>Valves (3TA)</b>                                                                                  |                    |                                               |
| C.P. 166                                                                                             | 2 E3738<br>2 E3739 | Inlet valve<br>Exhaust valve                  |
| <b>Valves (500 c.c.)</b>                                                                             |                    |                                               |
| C.P. 176                                                                                             | 2 E4012<br>2 E4013 | Inlet valve<br>Exhaust valve                  |
| <b>Valve Springs</b>                                                                                 |                    |                                               |
| C.P. 177                                                                                             | 4 E5946<br>4 E4011 | Inner valve spring<br>Outer valve spring      |

De-coke Gasket Set

All models

D/GS 6

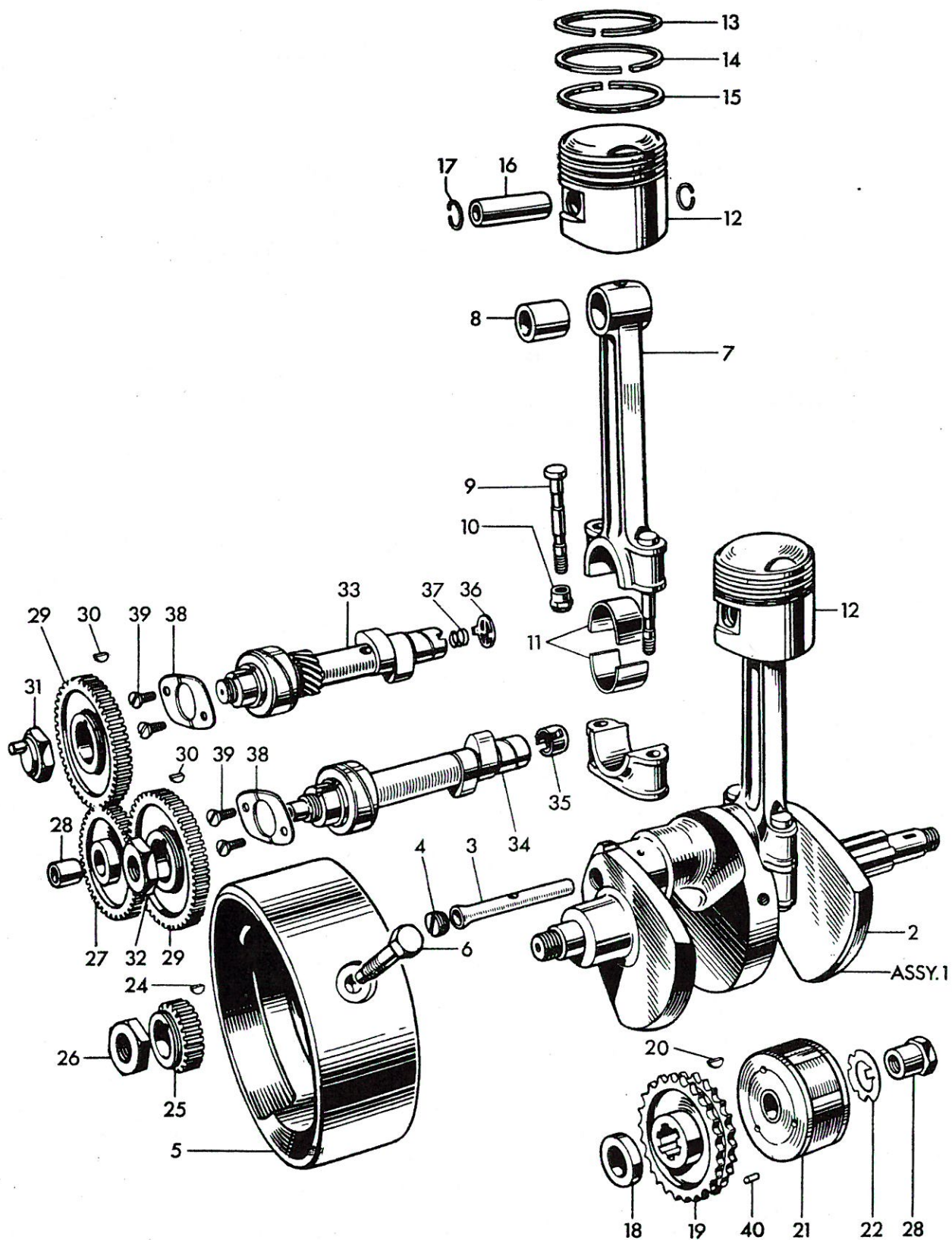


Fig. 1. CRANKSHAFT AND CONNECTING RODS

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

## CRANKSHAFT AND CONNECTING RODS

|    |          |                                         |   |                  |
|----|----------|-----------------------------------------|---|------------------|
| 1  | E5869    | CRANKSHAFT AND FLYWHEEL ASSEMBLY ... .. | 1 |                  |
| 2  | E3998    | Crankshaft ... ..                       | 1 |                  |
| 3  | E3999    | Oil tube ... ..                         | 1 |                  |
| 4  | E3711    | Screwed plug ... ..                     | 1 |                  |
| 5  | E5870    | Flywheel ... ..                         | 1 |                  |
| 6  | *E3713   | Flywheel bolt ... ..                    | 3 |                  |
| 7  | E3702    | CONNECTING ROD ... ..                   | 2 | 3TA, T90         |
| 7  | E4001T   | CONNECTING ROD... ..                    | 2 | 5TA, T100        |
| 8  | E1762    | Small end bush ... ..                   | 2 | 3TA, T90         |
| 8  | E4003    | Small end bush ... ..                   | 2 | 5TA, T100        |
| 9  | E3705    | Connecting rod bolt ... ..              | 2 |                  |
| 10 | E2922    | Self-locking nut ... ..                 | 2 |                  |
| 11 | E3706    | Big end bearing ... ..                  | 4 |                  |
| 12 | CP 164   | PISTON COMPLETE C.R. 7.5:1 ... ..       | 2 | 3TA              |
| 12 | CP 174   | PISTON COMPLETE C.R. 7:1 ... ..         | 2 | 5TA              |
| 12 | CP 198   | PISTON COMPLETE C.R. 9:1 ... ..         | 2 | T90              |
| 12 | CP 179   | PISTON COMPLETE C.R. 9:1 ... ..         | 2 | T100             |
| 13 | E3691    | Plain compression ring ... ..           | 2 | 3TA              |
| 13 | E3829    | Taper compression ring ... ..           | 2 | 5TA, T100        |
| 14 | E3690    | Taper compression ring ... ..           | 2 | 3TA, T90 (4 off) |
| 14 | E3829    | Taper compression ring ... ..           | 2 | 5TA, T100        |
| 15 | E3692    | Oil control ring ... ..                 | 2 | 3TA, T90         |
| 15 | E3831    | Oil control ring ... ..                 | 2 | 5TA, T100        |
| 16 | E1750    | Gudgeon pin ... ..                      | 2 | 3TA, T90         |
| 16 | WE 203E  | Gudgeon pin ... ..                      | 2 | 5TA, T100        |
| 17 | E1767    | Circlip ... ..                          | 4 | 3TA, T90         |
| 17 | WE 479   | Circlip ... ..                          | 4 | 5TA, T100        |
| 18 | E4006    | Distance collar ... ..                  | 1 |                  |
| 19 | E4141    | Engine sprocket, 26T Duplex ... ..      | 1 |                  |
| 20 | E3851    | Rotor key ... ..                        | 1 |                  |
| 21 | 54213901 | Rotor, type RM 19 ... ..                | 1 |                  |
| 21 | 54215824 | Rotor, type RM19... ..                  | 1 | A.C. ignition    |
| 22 | E3975    | Tab washer ... ..                       | 1 |                  |
| 23 | E3735    | Nut ... ..                              | 1 |                  |
| 24 | E1580    | Key ... ..                              | 1 |                  |
| 25 | E1771    | Timing pinion ... ..                    | 1 |                  |
| 26 | E398     | Nut ... ..                              | 1 |                  |
| 27 | E6160    | INTERMEDIATE WHEEL ... ..               | 1 |                  |
| 28 | E400     | Bush ... ..                             | 1 |                  |
| 29 | E1486 A  | Camshaft wheel... ..                    | 2 |                  |
| 30 | E1558    | Camshaft key ... ..                     | 2 |                  |
| 31 | E1463    | Inlet camshaft nut ... ..               | 1 |                  |
| 32 | E4563    | Exhaust camshaft nut ... ..             | 1 |                  |
| 33 | E6120    | Inlet camshaft ... ..                   | 1 | 3TA. (Use E3838) |
| 33 | E4678    | Inlet camshaft ... ..                   | 1 | 5TA, T90, T100   |
| 34 | E5341    | Exhaust camshaft ... ..                 | 1 | 3TA              |
| 34 | E4786    | EXHAUST CAMSHAFT ... ..                 | 1 | 5TA, T90, T100   |
| 35 | E4700    | Tachometer drive thimble ... ..         | 1 |                  |
| 36 | E5316    | Rotary breather valve ... ..            | 1 |                  |
| 37 | E2256    | Breather valve spring ... ..            | 1 |                  |
| 38 | E3727    | Retaining plate ... ..                  | 2 |                  |
| 39 | E3728    | Screw (15/32 in. U.H.) ... ..           | 4 |                  |
| 40 | E4142    | Dowel ... ..                            | 1 | A.C. ignition    |

\*Use D524 Loctite sealant



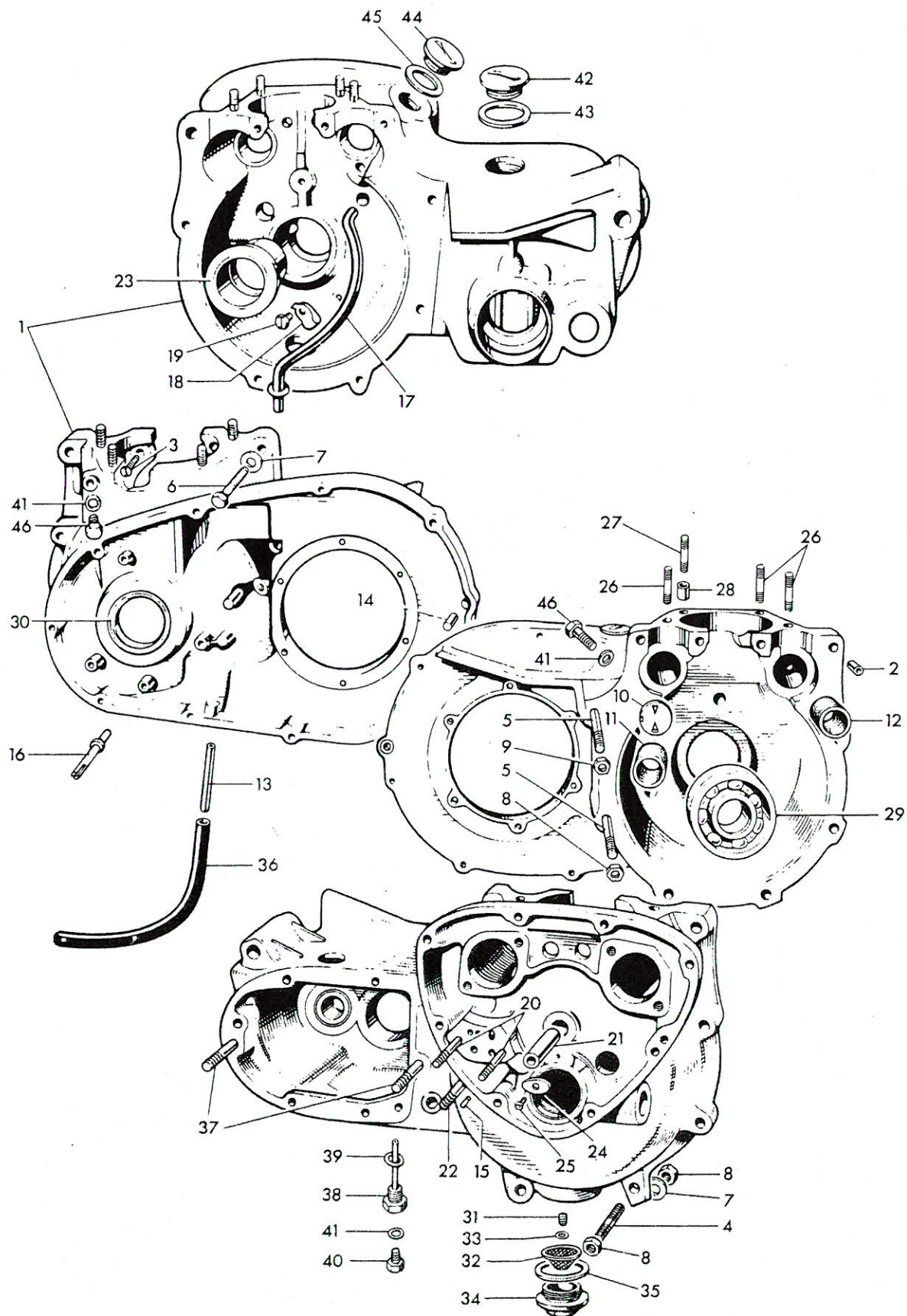


Fig. 2. CRANKCASE

| Ref. No.         | Part No.   | DESCRIPTION                                | QUANTITY | REMARKS      |
|------------------|------------|--------------------------------------------|----------|--------------|
| <b>CRANKCASE</b> |            |                                            |          |              |
| 1                | E5868/4645 | CRANKCASE c/w STUDS AND RIGHT MAIN BEARING | 1        |              |
| 2                | E3716      | Hollow dowel ... ..                        | 1        |              |
| 3                | E3859      | Screw (21/32 in. U.H.) ... ..              | 2        |              |
| 4                | E3804      | Stud (3 in. O.A.) ... ..                   | 1        |              |
| 5                | E3803      | Stud (3 1/4 in. U.H.) ... ..               | 2        |              |
| 6                | E3799      | Bolt (1 1/8 in. U.H.) ... ..               | 1        |              |
| 7                | S25-3      | Plain washer ... ..                        | 3        |              |
| 8                | S1-51      | Nut ... ..                                 | 3        |              |
| 9                | E1310      | Nut ... ..                                 | 1        |              |
| 10               | E3822      | Breather disc ... ..                       | 1        |              |
| 11               | E3824      | Inlet camshaft bush ... ..                 | 1        |              |
| 12               | E3823      | Exhaust camshaft bush ... ..               | 1        |              |
| 13               | E2724      | Breather pipe ... ..                       | 1        |              |
| 14               | E6076      | Blanking plug ... ..                       | 1        | Not serviced |
| 15               | E6386      | Dowel ... ..                               | 1        | Not serviced |
| 16               | E4147      | Chain tensioner abutment ... ..            | 1        |              |
| 17               | E3719      | Oil scavenge pipe ... ..                   | 1        |              |
| 18               | E1509      | Clip ... ..                                | 1        |              |
| 19               | E1645      | Screw (17/64 in. U.H.) ... ..              | 1        |              |
| 20               | E3718      | Oil pump stud (1 1/8 in. O.A.) ... ..      | 2        |              |
| 21               | E375       | Intermediate wheel spindle ... ..          | 1        |              |
| 22               | E3717      | Oil pipes stud (1 1/2 in. O.A.) ... ..     | 1        |              |
| 23               | E4322      | Right main bearing ... ..                  | 1        |              |
| 24               | E4139      | Locating plate ... ..                      | 1        |              |
| 25               | E4140      | Self-tapping screw ... ..                  | 1        |              |
| 26               | E3820      | Cylinder stud (1 1/2 in. O.A.) ... ..      | 6        |              |
| 27               | E3819      | Cylinder stud (1 1/8 in. O.A.) ... ..      | 2        |              |
| 28               | E1534A     | Dowel ... ..                               | 2        |              |
| 29               | E3835      | Left main bearing (Ball-journal) ... ..    | 1        |              |
| 30               | E3876      | Oil seal ... ..                            | 1        |              |
| 31               | E3724      | Filter spring ... ..                       | 1        |              |
| 32               | E3722      | Filter ... ..                              | 1        |              |
| 33               | E3723      | Sealing washer ... ..                      | 1        |              |
| 34               | E1564      | Filter cap ... ..                          | 1        |              |
| 35               | E1577      | Joint washer ... ..                        | 1        |              |
| 36               | E3078      | Breather extension rubber pipe ... ..      | 1        |              |
| 37               | T1399      | Stud (3 1/8 in. O.A.) ... ..               | 2        |              |
| 38               | T1112      | Drain plug (with level tube) ... ..        | 1        |              |
| 39               | WE 170     | Fibre washer ... ..                        | 1        |              |
| 40               | T361       | Level plug ... ..                          | 1        |              |
| 41               | T1257      | Fibre washer ... ..                        | 3        |              |
| 42               | E732       | Filler plug ... ..                         | 2        |              |
| 43               | NE507      | Fibre washer ... ..                        | 2        |              |
| 44               | E4587      | Distributor hole plug ... ..               | 1        |              |
| 45               | E4593      | Fibre washer ... ..                        | 1        |              |
| 46               | E4706      | Tachometer drive plug ... ..               | 2        |              |

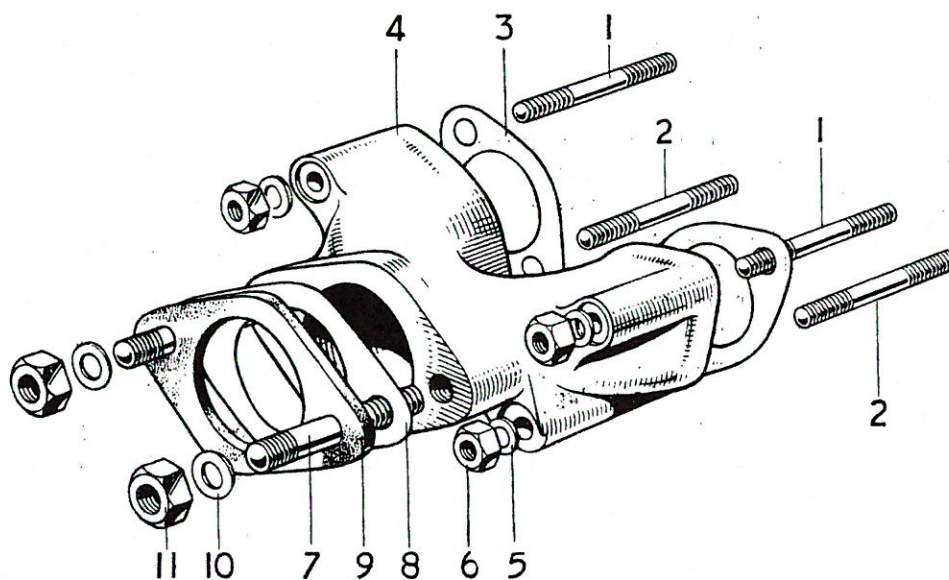
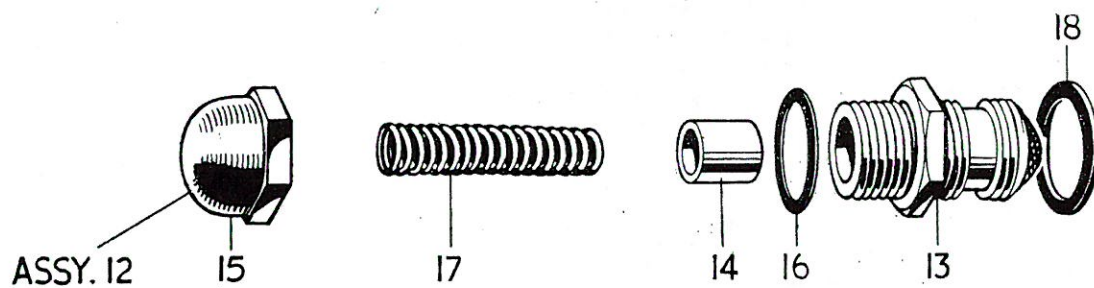
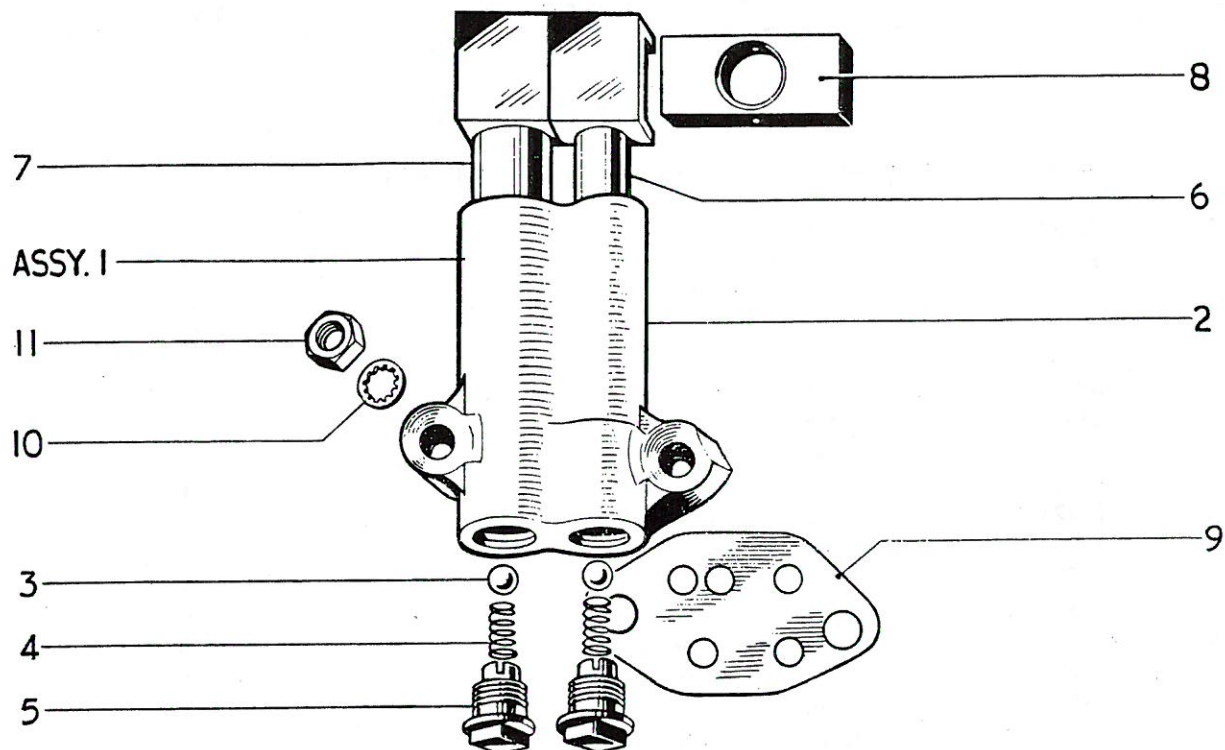


Fig. 3. OIL PUMP, RELEASE VALVE AND INLET MANIFOLD



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

### OIL PUMP AND RELEASE VALVE

|    |       |                   |   |  |
|----|-------|-------------------|---|--|
| 1  | E3878 | OIL PUMP ... ..   | 1 |  |
| 2  | E3731 | 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  | E1476 | Scavenge plunger  | 1 |  |
| 8  | E495  | Drive block       | 1 |  |
| 9  | E3730 | Joint washer ...  | 1 |  |
| 10 | E3887 | Serrated washer   | 2 |  |
| 11 | E3732 | Nut ... ..        | 2 |  |
| 12 | E5896 | OIL RELEASE VALVE | 1 |  |
| 13 | E2794 | Valve body        | 1 |  |
| 14 | GS251 | Piston ... ..     | 1 |  |
| 15 | E2304 | Cap ... ..        | 1 |  |
| 16 | GS254 | Fibre washer      | 1 |  |
| 17 | E6062 | Main spring       | 1 |  |
| 18 | E1670 | Fibre washer ...  | 1 |  |

### INLET MANIFOLD

|    |        |                         |   |           |
|----|--------|-------------------------|---|-----------|
| 1  | E3796  | Stud (1 17/32 in. O.A.) | 2 |           |
| 2  | E3797  | Stud (2 in. O.A.)       | 2 |           |
| 3  | E2967  | Joint washer ...        | 2 |           |
| 4  | E3761  | Inlet manifold          | 1 | 3TA       |
| 4  | E4014  | Inlet manifold          | 1 | 5TA, T100 |
| 4  | E4689  | Inlet manifold          | 1 | T90       |
| 5  | S25-13 | Plain washer            | 4 |           |
| 6  | W103   | Nut ... ..              | 4 |           |
| 7  | E3880  | Stud (1 1/2 in. O.A.)   | 2 |           |
| 8  | NA 43  | Joint washer            | 1 | 3TA, 5TA  |
| 8  | NA 43A | Joint washer            | 1 | T90, T100 |
| 9  | E3834  | Insulating block        | 1 | 3TA, 5TA  |
| 9  | E4504  | Insulating block        | 1 | T90       |
| 9  | E2968  | Insulating block        | 1 | T100      |
| 10 | S25-3  | Plain washer            | 2 |           |
| 11 | S1-51  | Nut ... ..              | 2 |           |

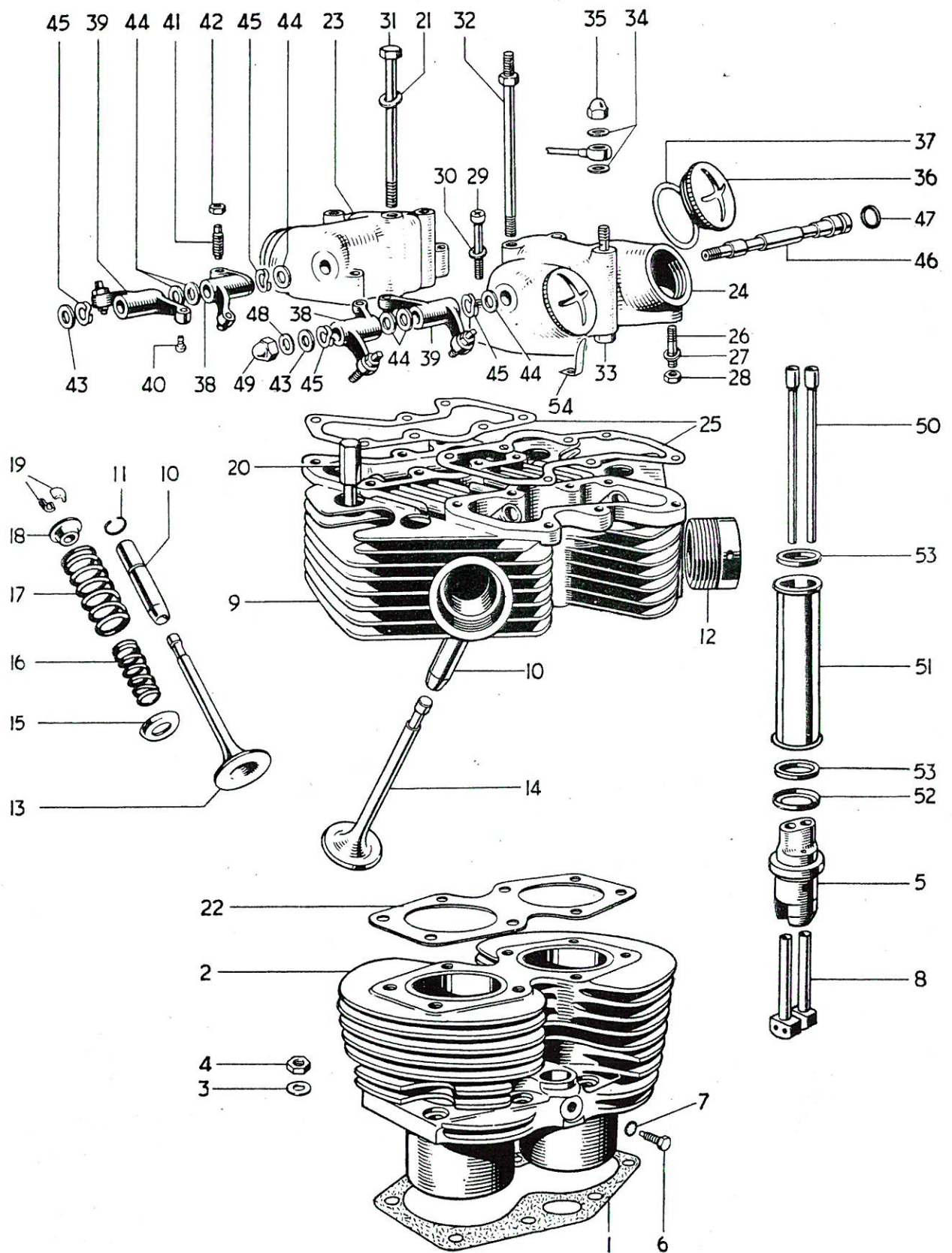


Fig. 4. CYLINDER BLOCK AND HEAD, 3TA AND T90

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

### CYLINDER BLOCK AND HEAD, 3TA AND T90

|    |        |                                                        |   |     |
|----|--------|--------------------------------------------------------|---|-----|
| 1  | E3798  | Cylinder base washer ... ..                            | 1 |     |
| 2  | E3698  | Cylinder block ... ..                                  | 1 |     |
| 3  | GS308  | Plain washer ... ..                                    | 8 |     |
| 4  | E2412  | Nut ... ..                                             | 8 |     |
| 5  | E4676  | Tappet guide block ... ..                              | 2 |     |
| 6  | H200   | Tappet block screw ( $\frac{7}{8}$ in. U.H.) ... ..    | 2 |     |
| 7  | E1612  | Serrated washer ... ..                                 | 2 |     |
| 8  | E3753  | Tappet ... ..                                          | 4 |     |
| 9  | E5956  | CYLINDER HEAD c/w GUIDES ... ..                        | 1 | 3TA |
| 9  | E4784  | CYLINDER HEAD c/w GUIDES ... ..                        | 1 | T90 |
| 10 | E3208  | Valve guide ... ..                                     | 4 | 3TA |
| 10 | E6301  | Valve guide ... ..                                     | 4 | T90 |
| 11 | E3209  | Valve guide circlip ... ..                             | 4 |     |
| 12 | E2961  | Exhaust pipe adaptor ... ..                            | 2 |     |
| 13 | E3738  | Inlet valve ... ..                                     | 2 | 3TA |
| 13 | E4640  | Inlet valve ... ..                                     | 2 | T90 |
| 14 | E3739  | Exhaust valve ... ..                                   | 2 |     |
| 15 | E3740  | 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 $\frac{25}{32}$ 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 | 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 ( $5\frac{7}{8}$ 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 | E3222  | Rocker ball pin ... ..                                 | 4 |     |
| 41 | E3223  | Rocker adjusting pin ... ..                            | 4 |     |
| 42 | GS662  | Adjuster lock nut ... ..                               | 4 |     |
| 43 | E1330  | Thrust washer, $\frac{3}{8}$ in. ... ..                | 2 |     |
| 44 | E2534  | Thrust washer, $\frac{7}{8}$ in. ... ..                | 6 |     |
| 45 | E3224  | Spring washer ... ..                                   | 4 |     |
| 46 | E3748  | Rocker spindle ... ..                                  | 2 |     |
| 47 | E3253  | Sealing rubber ... ..                                  | 2 |     |
| 48 | E1335  | Copper washer ... ..                                   | 2 |     |

(Continued)



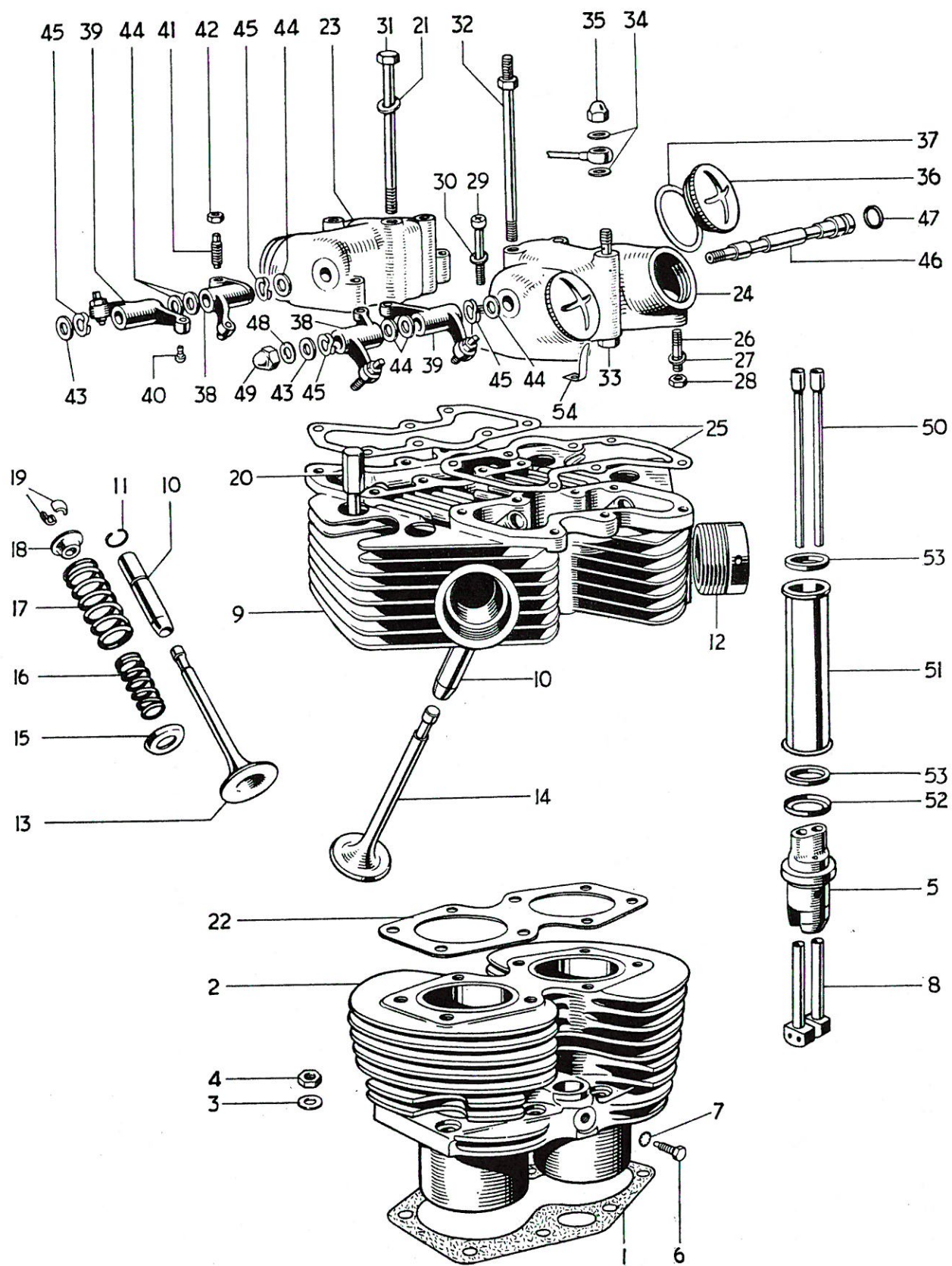


Fig. 4. CYLINDER BLOCK AND HEAD, 3TA AND T90

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

# **CYLINDER BLOCK AND HEAD, 3TA AND T90**

*(Continued)*

|    |       |                |     |     |     |     |     |     |   |
|----|-------|----------------|-----|-----|-----|-----|-----|-----|---|
| 49 | E1435 | Domed nut      | ... | ... | ... | ... | ... | ... | 2 |
| 50 | E3759 | Push rod       | ... | ... | ... | ... | ... | ... | 4 |
| 51 | E4751 | Cover tube     | ... | ... | ... | ... | ... | ... | 2 |
| 52 | E4746 | Bottom cup     | ... | ... | ... | ... | ... | ... | 2 |
| 53 | E4752 | Rubber washer  | ... | ... | ... | ... | ... | ... | 4 |
| 54 | E4671 | Locking spring | ... | ... | ... | ... | ... | ... | 4 |

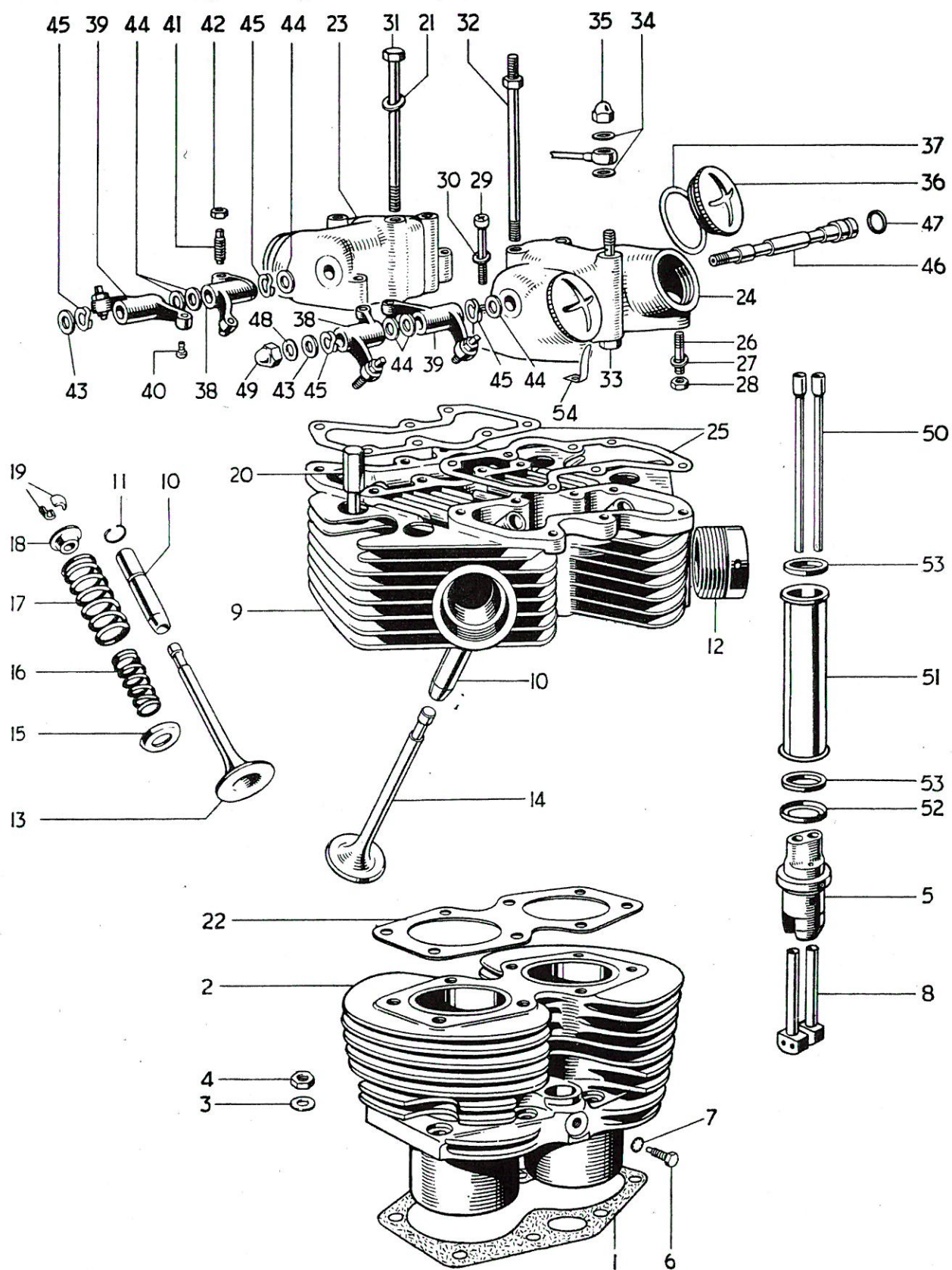


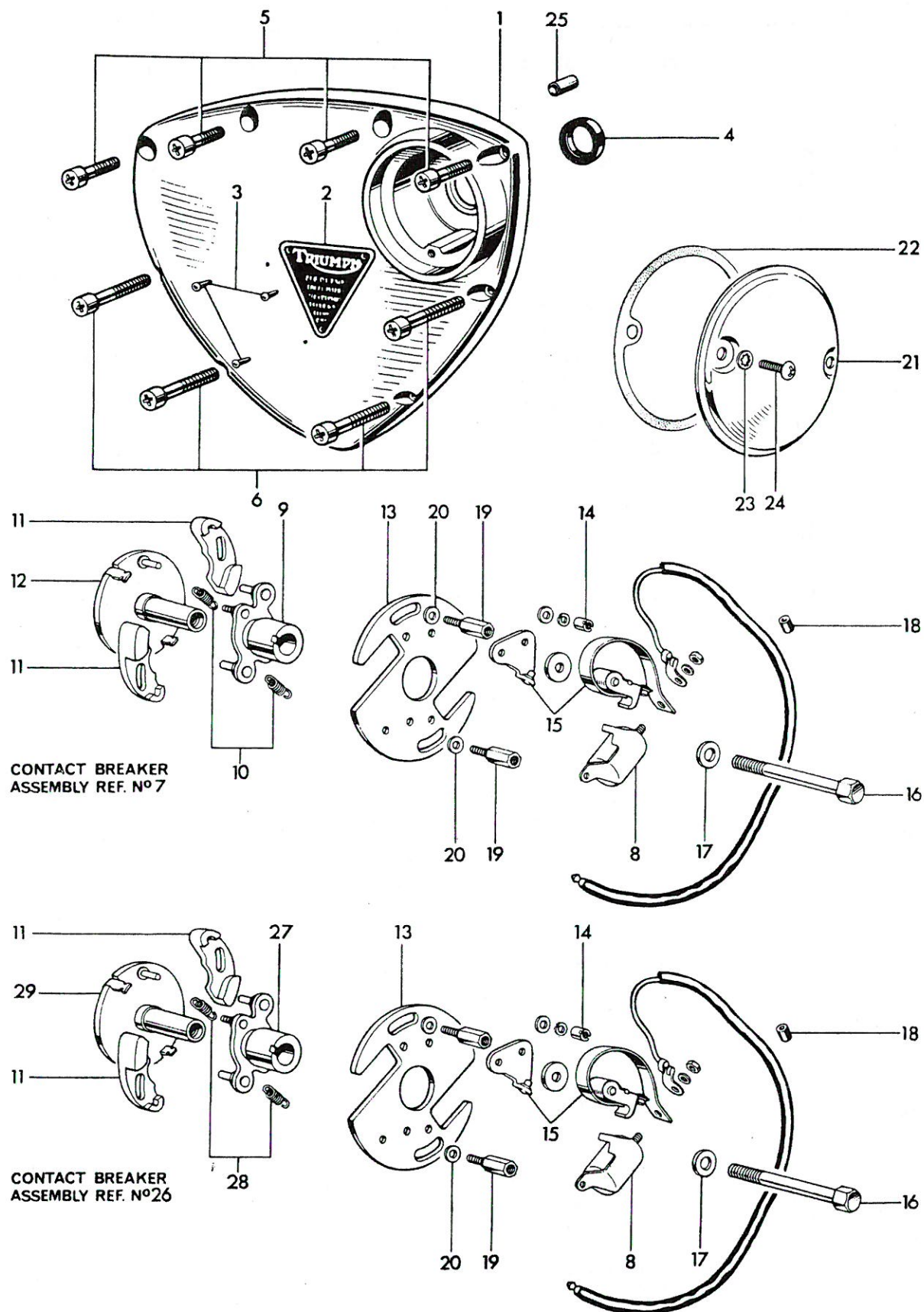
Fig. 5. CYLINDER BLOCK AND HEAD, 5TA AND T100



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

# **CYLINDER BLOCK AND HEAD, 5TA AND T100**

|    |        |                                                |   |      |
|----|--------|------------------------------------------------|---|------|
| 1  | E3798  | Cylinder base washer                           | 1 |      |
| 2  | E4000  | Cylinder block                                 | 1 |      |
| 3  | GS308  | Plain washer                                   | 8 |      |
| 4  | E2412  | Nut                                            | 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  | E4785  | CYLINDER HEAD c/w GUIDES                       | 1 |      |
| 10 | E3208  | Valve guide                                    | 4 | 5TA  |
| 10 | E6301  | Valve guide                                    | 4 | T100 |
| 11 | E3209  | Valve guide circlip                            | 4 |      |
| 12 | E2961  | Exhaust pipe adaptor                           | 2 |      |
| 13 | E4012  | Inlet valve                                    | 2 |      |
| 14 | E4013  | Exhaust valve                                  | 2 |      |
| 15 | E3740  | Bottom cap                                     | 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 | E3743  | Joint washer                                   | 2 |      |
| 26 | E3858  | Rocker box stud ( $\frac{15}{16}$ in. O.A.)    | 4 |      |
| 27 | E3302  | Plain washer                                   | 4 |      |
| 28 | F879   | Nut                                            | 4 |      |
| 29 | E3668  | Screw ( $\frac{15}{16}$ 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 | E400   | 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 | E3222  | Rocker ball pin                                | 4 |      |
| 41 | E3223  | Rocker adjusting pin                           | 4 |      |
| 42 | GS662  | Adjuster lock nut                              | 4 |      |
| 43 | E1330  | Thrust washer, $\frac{3}{8}$ in.               | 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 | E4746  | Bottom cup                                     | 2 |      |
| 53 | E4752  | Rubber washer                                  | 4 |      |
| 54 | E4671  | Locking spring                                 | 4 |      |



### TIMING COVER AND CONTACT BREAKER

|    |          |                                         |   |               |
|----|----------|-----------------------------------------|---|---------------|
| 1  | E4630    | Timing cover ... ..                     | 1 |               |
| 2  | E4016    | Patent plate ... ..                     | 1 |               |
| 3  | D208-5   | Hammer-drive screw ... ..               | 3 |               |
| 4  | E4568    | Oil seal ... ..                         | 1 |               |
| 5  | E3800    | Screw ( $\frac{7}{8}$ in. U.H.) ... ..  | 4 |               |
| 6  | E3801    | Screw ( $1\frac{1}{8}$ in. U.H.) ... .. | 4 |               |
| 7  | 47605    | CONTACT BREAKER, type 4CA ... ..        | 1 |               |
| 8  | 425377   | Condenser ... ..                        | 2 | Coil Ignition |
| 9  | 54441729 | Cam... ..                               | 1 |               |
| 10 | 54415642 | Spring set ... ..                       | 1 |               |
| 11 | 425359   | Weight ... ..                           | 2 |               |
| 12 | 54415751 | Sleeve and action plate ... ..          | 1 |               |
| 13 | 425370   | Base plate ... ..                       | 1 |               |
| 14 | 169194   | Slotted nut... ..                       | 4 |               |
| 15 | 54415803 | Contact set ... ..                      | 2 |               |
| 16 | E5451    | Bolt (2 in. U.H.) ... ..                | 1 |               |
| 17 | S25-43   | Plain washer ... ..                     | 1 |               |
| 18 | E4707    | Grommet ... ..                          | 1 |               |
| 19 | E4747    | Pillar bolt ... ..                      | 2 |               |
| 20 | E6559    | Plain washer ... ..                     | 2 |               |
| 21 | E4571    | Cover ... ..                            | 1 |               |
| 22 | E5049    | Joint washer ... ..                     | 1 |               |
| 23 | GS299    | Serrated washer ... ..                  | 2 |               |
| 24 | F4715    | Screw (15/32 in. U.H.) ... ..           | 2 |               |
| 25 | T989     | Hollow dowel ... ..                     | 1 |               |
| 26 | 47602    | CONTACT BREAKER, type 4CA ... ..        | 1 |               |
| 8  | 425377   | Condenser ... ..                        | 2 | A.C. Ignition |
| 27 | 54415473 | Cam... ..                               | 1 |               |
| 29 | 54415641 | Spring set ... ..                       | 1 |               |
| 11 | 425359   | Weight ... ..                           | 2 |               |
| 29 | 54415747 | Sleeve and action plate ... ..          | 1 |               |
| 13 | 425370   | Base plate ... ..                       | 1 |               |
| 14 | 169194   | Slotted nut ... ..                      | 4 |               |
| 15 | 54415803 | Contact set ... ..                      | 2 |               |



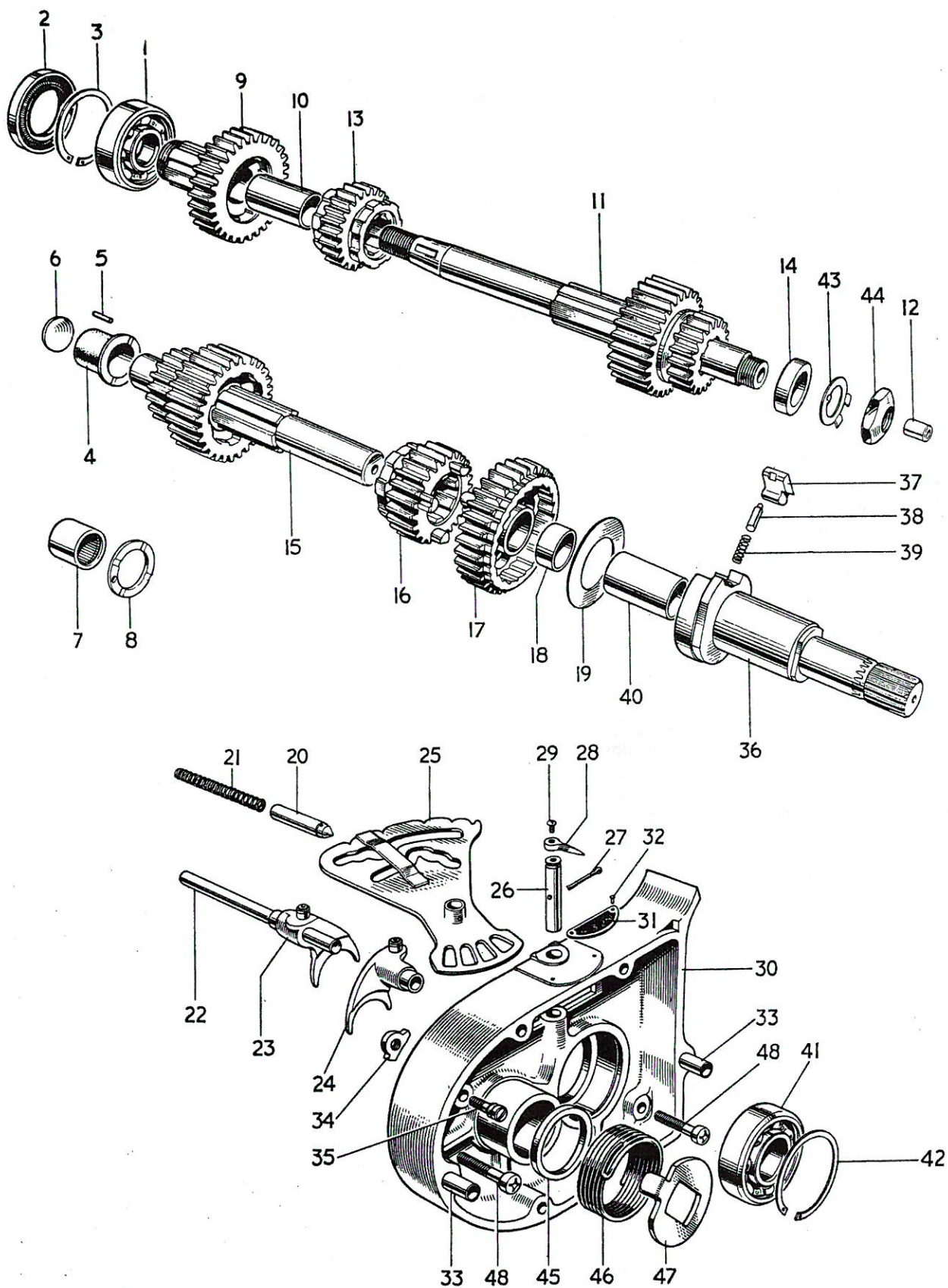


Fig. 7. GEARBOX SHAFTS, BEARINGS AND INNER COVER

| 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  | T1367                                 | Layshaft bush                               | 1 | 3TA, 5TA  |
| 5  | T912                                  | Peg                                         | 1 |           |
| 6  | T981                                  | Blanking disc                               | 1 | 3TA, 5TA  |
| 7  | T1606                                 | Layshaft bearing                            | 1 | T90, T100 |
| 8  | T1607                                 | Thrust washer                               | 1 | T90, T100 |
| 9  | T1947                                 | MAINSHAFT HIGH GEAR (22T)                   | 1 |           |
| 10 | T1405                                 | High gear bush                              | 1 |           |
| 11 | T1948                                 | 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 | T1965                                 | Layshaft c/w second and high gears (15/23T) | 1 | 3TA, 5TA  |
| 15 | T1949                                 | Layshaft c/w second and high gears (15/23T) | 1 | T90, T100 |
| 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 | T1471                                 | Camplate index plunger                      | 1 |           |
| 21 | T373                                  | 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 ( $\frac{7}{16}$ in. U.H.)            | 1 |           |
| 30 | T1448                                 | Inner cover                                 | 1 |           |
| 31 | T417                                  | 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 | T1445                                 | KICKSTARTER SPINDLE                         | 1 | 3TA, 5TA  |
| 36 | T1981                                 | KICKSTARTER SPINDLE                         | 1 | T90, T100 |
| 37 | T1431                                 | Kickstarter pawl                            | 1 |           |
| 38 | T1282                                 | Plunger                                     | 1 |           |
| 39 | T1161                                 | Plunger spring                              | 1 |           |
| 40 | T1897                                 | Bearing                                     | 1 | T90, T100 |
| 40 | T1446                                 | Floating bush                               | 1 | 3TA, 5TA  |
| 41 | T1469                                 | Mainshaft bearing (Ball journal)            | 1 |           |
| 42 | T280                                  | Circlip                                     | 1 |           |
| 43 | T732                                  | Tab washer                                  | 1 |           |
| 44 | T2009                                 | Mainshaft nut                               | 1 |           |
| 45 | T1464                                 | Distance piece                              | 1 |           |
| 46 | T1441                                 | Kickstarter return spring                   | 1 |           |
| 47 | T1422                                 | Return spring plate                         | 1 |           |
| 48 | E3204                                 | Screw (1 in. U.H.)                          | 2 |           |

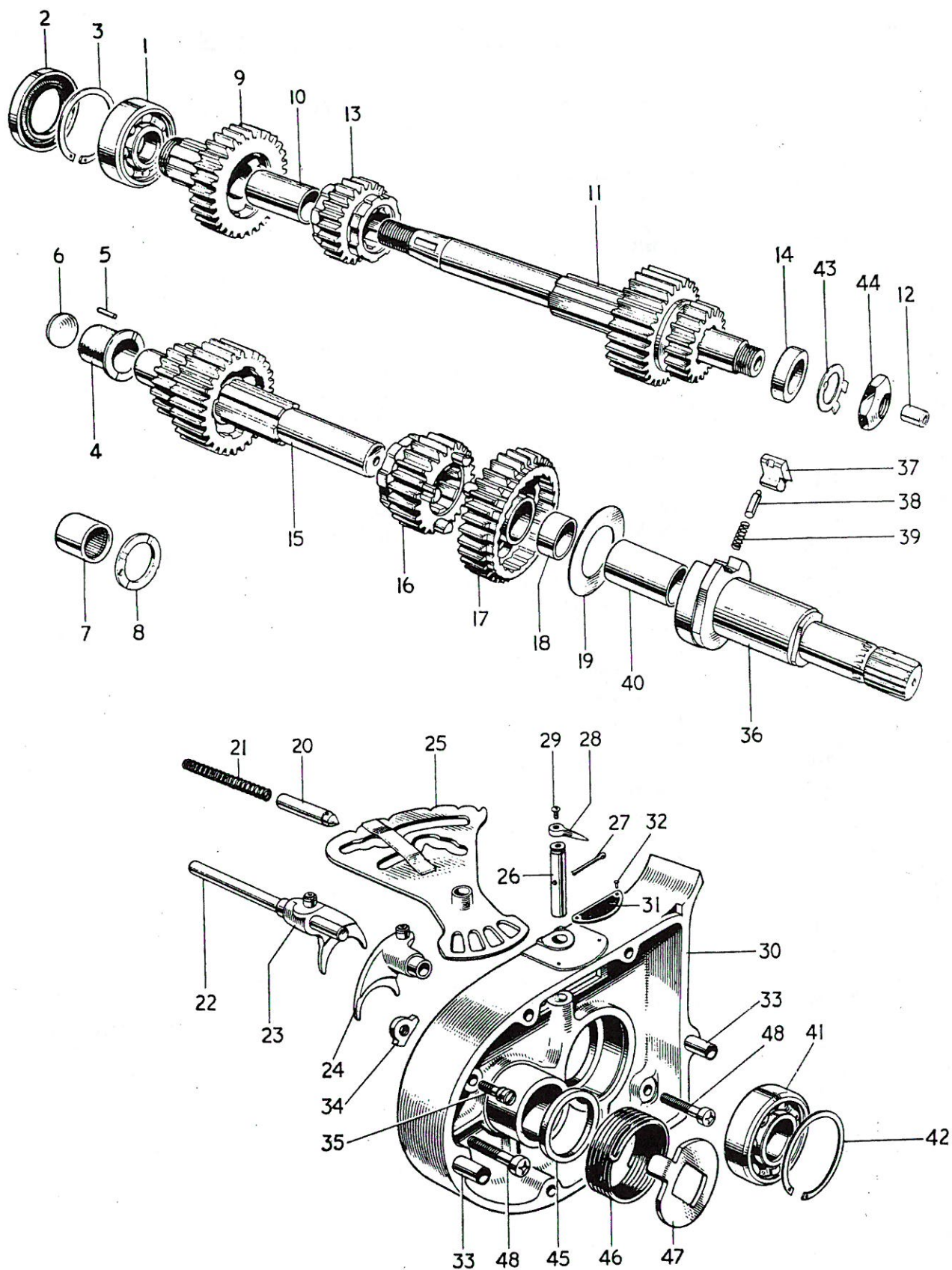


Fig. 7. GEARBOX SHAFTS, BEARINGS AND INNER COVER



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

### WIDE RATIO GEARS

(Can be fitted to T90 or T100)

|    |       |                                          |     |     |     |     |   |                                 |
|----|-------|------------------------------------------|-----|-----|-----|-----|---|---------------------------------|
| 9  | T1684 | MAINSHAFT HIGH GEAR (23T)                | ... | ... | ... | ... | 1 | } Standard on<br>Eastern T100 C |
| 11 | T1959 | MAINSHAFT c/w THIRD & LOW GEAR (15/24T)  | ... | ... | ... | ... | 1 |                                 |
| 13 | T1837 | Mainshaft second gear (20T)              | ... | ... | ... | ... | 1 |                                 |
| 15 | T1960 | Layshaft c/w second & 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  | T1821 | MAINSHAFT HIGH GEAR (20T)                  | ... | ... | ... | ... | 1 |
| 11 | T1971 | MAINSHAFT c/w THIRD & 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 |

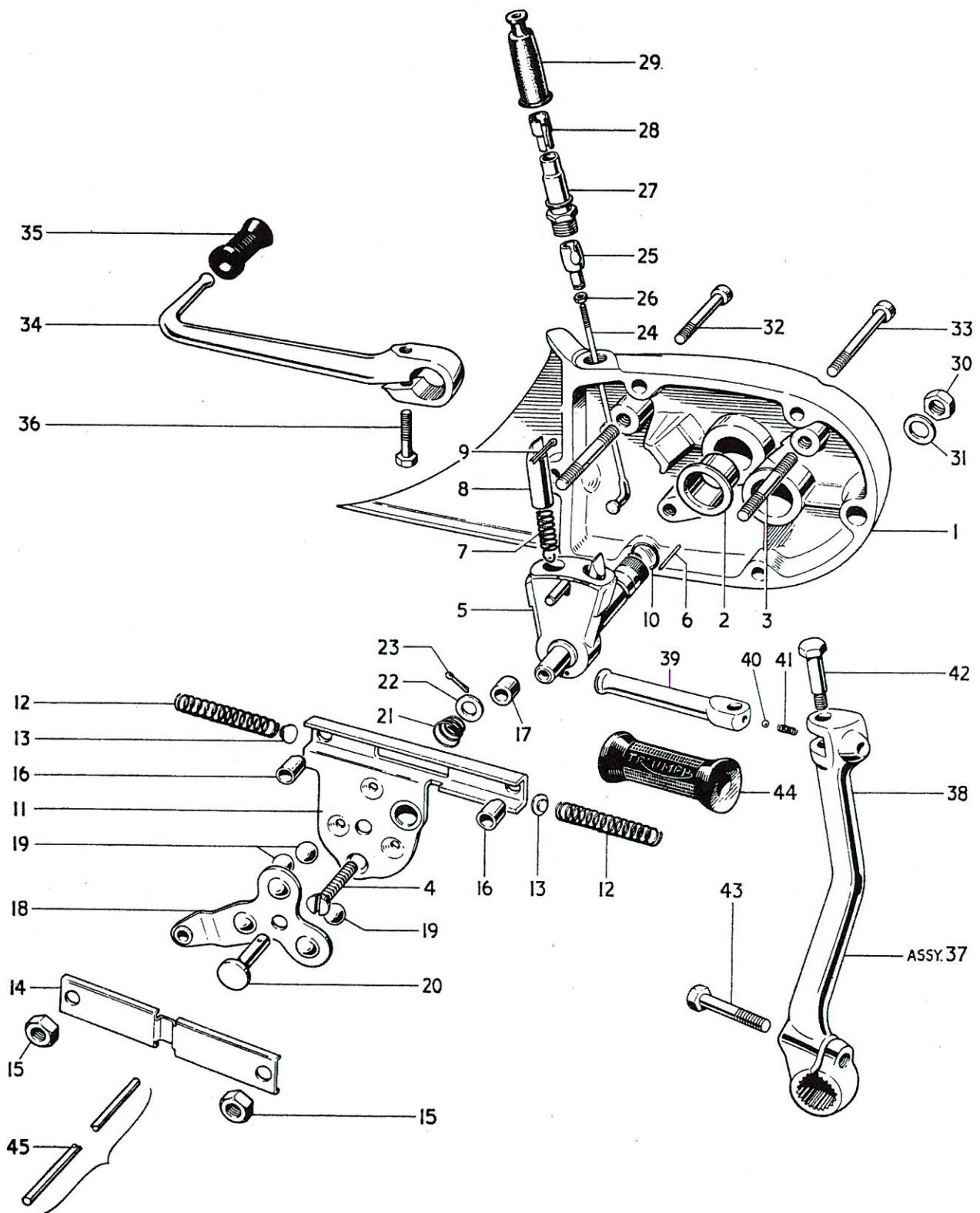


Fig. 8. GEARBOX OUTER COVER AND LEVERS

| Ref. No.                              | Part No.                     | DESCRIPTION                                         | QUANTITY    | REMARKS        |
|---------------------------------------|------------------------------|-----------------------------------------------------|-------------|----------------|
| <b>GEARBOX OUTER COVER AND LEVERS</b> |                              |                                                     |             |                |
| 1                                     | T1870                        | GEARBOX OUTER COVER                                 | 1           |                |
| 2                                     | T1395                        | Gearchange spindle bush...                          | 1           |                |
| 3                                     | T1944                        | Stud ( $1\frac{5}{16}$ in. O.A.)                    | 2           |                |
| 4                                     | T1875                        | 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 $\frac{5}{8}$ 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                                    | W103                         | 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                                    | T1644                        | 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                                    | S1-51                        | Nut                                                 | 2           |                |
| 31                                    | S25-3                        | Plain washer                                        | 2           |                |
| 32                                    | T1401                        | Screw ( $2\frac{3}{8}$ in. U.H.)                    | 2           |                |
| 33                                    | T1402                        | Screw ( $2\frac{5}{8}$ in. U.H.)                    | 2           |                |
| 34                                    | T1435                        | Gearchange lever                                    | 1           |                |
| 35                                    | T449                         | Pedal rubber                                        | 1           |                |
| 36                                    | W932                         | Bolt (1 in. U.H.)                                   | 1           |                |
| 37                                    | T1677                        | KICKSTARTER LEVER COMPLETE...                       | 1           |                |
| 38                                    | T1678                        | 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                                    | T1273                        | Pivot bolt                                          | 1           |                |
| 43                                    | T1439                        | Clamp bolt ( $1\frac{1}{8}$ in. U.H.)               | 1           |                |
| 44                                    | F1814                        | Pedal rubber                                        | 1           |                |
| 45                                    | T1456                        | Clutch operating rod                                | 1           | 3TA            |
| 45                                    | T1970                        | Clutch operating rod                                | 1           | 5TA, T90, T100 |



# CLUTCH ASSEMBLY № 1

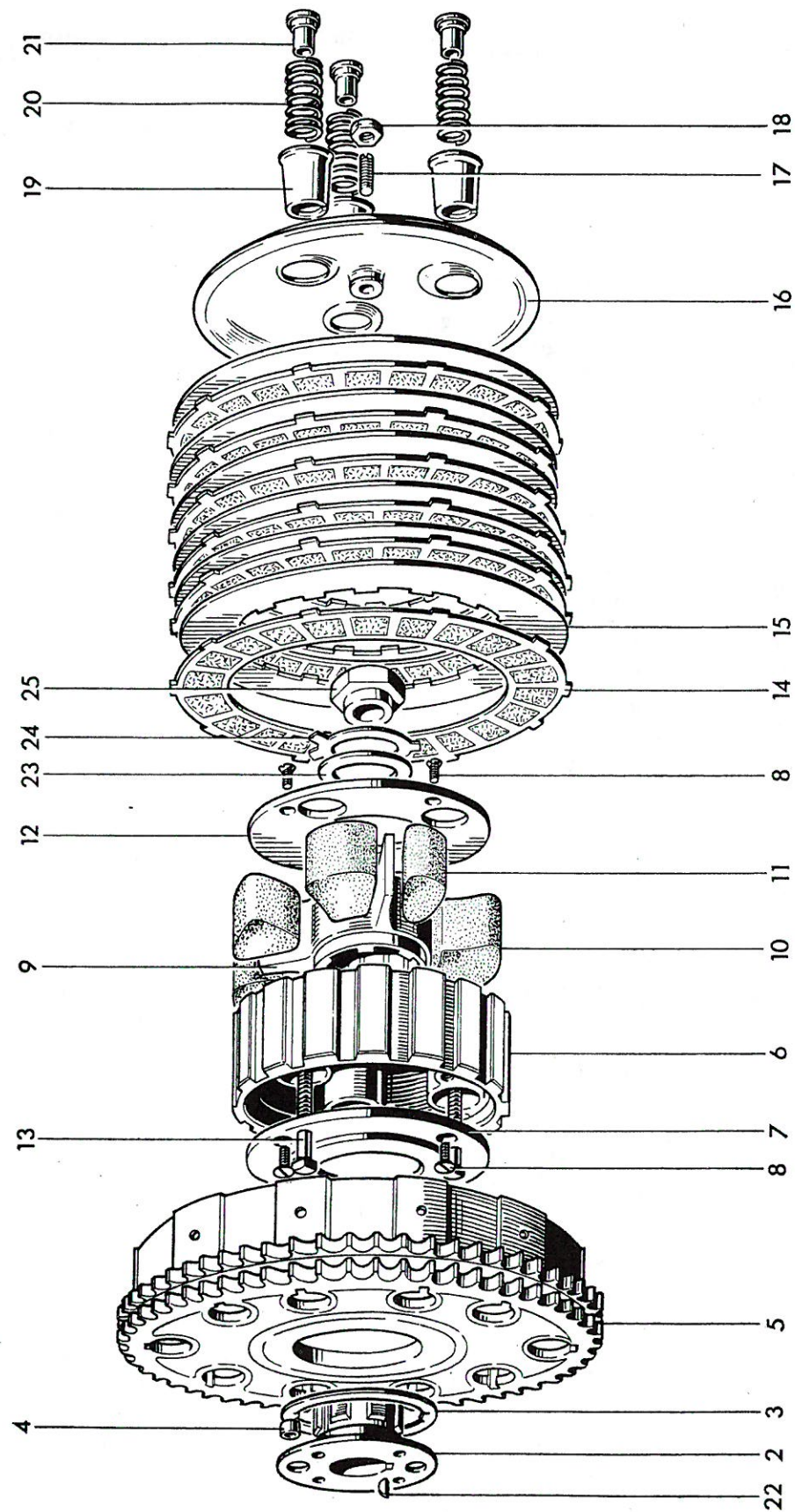


Fig. 9. CLUTCH

| Ref. No.      | Part No.   | DESCRIPTION                        | QUANTITY | REMARKS              |
|---------------|------------|------------------------------------|----------|----------------------|
| <b>CLUTCH</b> |            |                                    |          |                      |
| 1             | T1933      | CLUTCH COMPLETE                    | 1        | 3TA                  |
| 1             | T1935      | CLUTCH COMPLETE                    | 1        | 5TA, T90, T100       |
| 2             | T1751      | Hub                                | 1        |                      |
| 3             | T1735      | Thrust washer                      | 1        |                      |
| 4             | T394       | Roller                             | 20       |                      |
| 5             | T1442      | Sprocket and housing               | 1        | 3TA                  |
| 5             | T1570      | Sprocket and housing               | 1        | 5TA, T90, T100       |
| 6             | T1718      | Centre (Shock absorber body)       | 1        | 3TA                  |
| 6             | T1719      | Centre (Shock absorber body)       | 1        | 5TA, T90, T100       |
| 7             | T1720      | Inner plate                        | 1        |                      |
| 8             | T1040      | Countersunk screw (0.417 in. U.H.) | 6        |                      |
| 9             | T1721      | Shock absorber spider              | 1        |                      |
| 10            | T1722      | Drive rubber (large)               | 3        |                      |
| 11            | T1723      | Rebound rubber (small)             | 3        |                      |
| 12            | T1724      | Outer plate                        | 1        |                      |
| 13            | T423       | Screwed pin (1 19/32 in. U.H.)     | 3        | 3TA                  |
| 13            | T423A      | Screwed pin (1 27/32 in. U.H.)     | 3        | 5TA, T90, T100       |
| 14            | T1362      | Driving plate (bonded)             | 5        | 6 off 5TA, T90, T100 |
| 15            | T1363      | Driven plate (plain)               | 5        | 6 off 5TA, T90, T100 |
| 16            | T2156      | Pressure plate                     | 1        |                      |
| 17            | T2159      | Adjuster pin                       | 1        |                      |
| 18            | 13206/00/1 | Nut                                | 1        |                      |
| 19            | T1934      | Spring cup                         | 3        | 3TA                  |
| 19            | T1931      | Spring cup                         | 3        | 5TA, T90, T100       |
| 20            | T1752      | Spring                             | 3        | 3TA                  |
| 20            | T1560      | Spring                             | 3        | 5TA, T90, T100       |
| 21            | T427       | Brass nut                          | 3        |                      |
| 22            | S66-1      | Key                                | 1        |                      |
| 23            | T1045      | Cupped washer                      | 1        |                      |
| 24            | T1046      | Tab washer                         | 1        |                      |
| 25            | T1047      | Nut                                | 1        |                      |

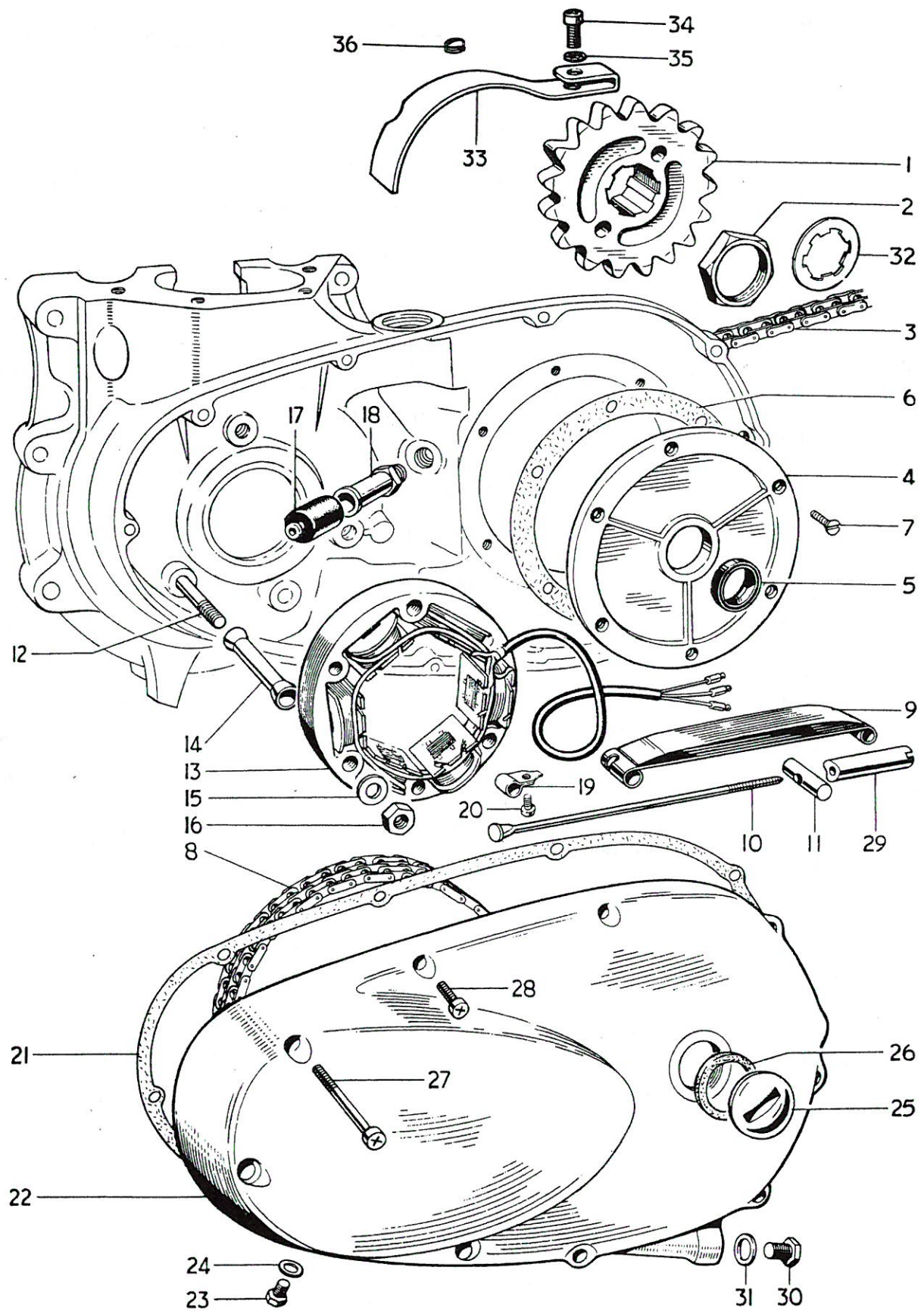


Fig. 10. CHAINCASE AND CHAINS



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

## CHAINCASE AND CHAINS

|    |          |                                                              |   |                |
|----|----------|--------------------------------------------------------------|---|----------------|
| 1  | T1558    | Gearbox sprocket (17 teeth) ...                              | 1 | 3TA, T90       |
| 1  | T1476    | Gearbox sprocket (18 teeth) ...                              | 1 | T100, T100C    |
| 1  | T1476/19 | Gearbox sprocket (19 teeth) ...                              | 1 | 5TA, T100R     |
| 1  | T1569    | Gearbox sprocket (20 teeth) ...                              | 1 |                |
| 2  | T1434    | Gearbox sprocket nut ...                                     | 1 |                |
| 3  | D444     | Rear chain, $\frac{5}{8}$ in. x $\frac{3}{8}$ in. x 102L ... | 1 | 3TA, T90, T100 |
| 3  | D481     | Rear chain, $\frac{5}{8}$ in. x $\frac{3}{8}$ in. x 103L ... | 1 | 5TA            |
| 4  | E3789    | Cover plate ...                                              | 1 |                |
| 5  | E3833    | Oil seal ...                                                 | 1 |                |
| 6  | E3832    | Joint washer ...                                             | 1 |                |
| 7  | E3821    | Countersunk screw ( $\frac{3}{16}$ 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 | E5977    | Trunnion ...                                                 | 1 |                |
| 12 | E3811    | Stud (3 $\frac{1}{8}$ in. O.A.) ...                          | 3 |                |
| 13 | 47162    | Stator, RM 19 ...                                            | 1 | Coil Ignition  |
| 13 | 47188    | Stator, R.M.19 ...                                           | 1 | A.C. Ignition  |
| 14 | E3810    | Distance piece ...                                           | 3 |                |
| 15 | S25-3    | Plain washer ...                                             | 3 |                |
| 16 | E5324    | Nut ...                                                      | 3 |                |
| 17 | E4144    | Rubber grommet ...                                           | 1 |                |
| 18 | E5872    | Sleeve nut ...                                               | 1 |                |
| 19 | E1509    | Clip ...                                                     | 1 |                |
| 20 | T361     | Bolt ( $\frac{1}{4}$ in. U.H.) ...                           | 1 |                |
| 21 | E4156    | Joint washer ...                                             | 1 |                |
| 22 | E4122    | Chaincase ...                                                | 1 |                |
| 23 | DS57     | Drain and level plug ...                                     | 1 |                |
| 24 | WE170    | Fibre washer ...                                             | 2 |                |
| 25 | E732     | Filler plug ...                                              | 1 |                |
| 26 | NE507    | Fibre washer ...                                             | 1 |                |
| 27 | E3802    | Screw (2 $\frac{3}{4}$ in. U.H.) ...                         | 3 |                |
| 28 | E3668    | Screw (1 $\frac{1}{8}$ in. U.H.) ...                         | 7 |                |
| 29 | E4153    | Adjuster sleeve nut ...                                      | 1 |                |
| 30 | E4154    | Drain plug ...                                               | 1 |                |
| 31 | T1738    | Fibre washer ...                                             | 1 |                |
| 32 | T2056    | Tab washer ...                                               | 1 |                |
| 33 | E6186    | Crankcase protector ...                                      | 1 |                |
| 34 | T1553    | Screw ( $\frac{3}{8}$ in. U.H.) ...                          | 1 | T90, T100      |
| 35 | E1612    | Serrated washer ...                                          | 1 |                |
| 36 | E6226    | Rubber plug ...                                              | 1 | 3TA, 5TA       |

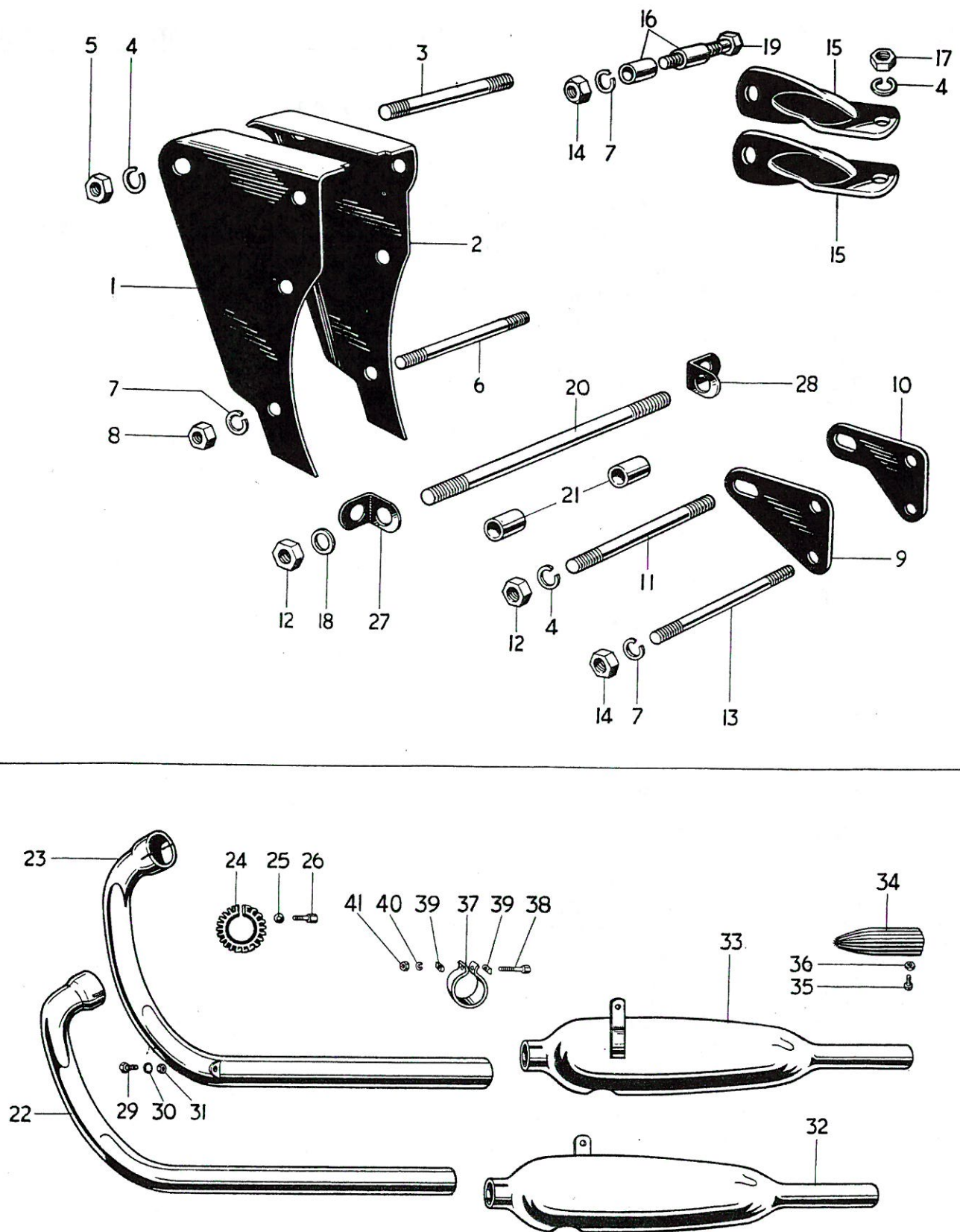


Fig. 11. ENGINE FITTINGS AND EXHAUST SYSTEM

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

## ENGINE FITTINGS AND EXHAUST SYSTEM

|    |        |                                 |             |           |
|----|--------|---------------------------------|-------------|-----------|
| 1  | F4275  | Left front engine plate...      | 1           |           |
| 2  | F4276  | Right front engine plate        | 1           |           |
| 3  | F2825  | Stud (3 $\frac{1}{2}$ in. O.A.) | 1           |           |
| 4  | S26-1  | Spring washer                   | 8           |           |
| 5  | PO172A | Nut                             | 2           |           |
| 6  | E3804  | Stud (3 in. O.A.)               | 3           |           |
| 7  | S26-3  | Spring washer                   | 8           |           |
| 8  | S1-51  | Nut                             | 3           |           |
| 9  | F4229  | Left rear engine plate          | 1           |           |
| 10 | F4230  | Right rear engine plate         | 1           |           |
| 11 | E3665  | Stud (4 $\frac{1}{4}$ in. O.A.) | 1           |           |
| 12 | PO172A | Nut                             | 4           |           |
| 13 | E3695  | Stud (4 $\frac{5}{8}$ in. O.A.) | 2           |           |
| 14 | S1-51  | Nut                             | 5           |           |
| 15 | E4778  | Torque stay                     | 2           |           |
| 16 | E5072  | Distance piece                  | 2           |           |
| 17 | S1-52  | Nut                             | 2           |           |
| 18 | F5532  | Plain washer                    | 2           |           |
| 19 | E4165  | Bolt (1 $\frac{1}{8}$ in. U.H.) | 1           |           |
| 20 | E3812  | Stud (7 $\frac{1}{8}$ in. O.A.) | 1           |           |
| 21 | F4197  | Distance piece                  | 2           |           |
| 22 | E3992  | Left exhaust pipe               | 1           | 5TA, T100 |
| 23 | E3994  | Right exhaust pipe              | 1           | 5TA, T100 |
| 22 | E5325  | Left exhaust pipe               | 1           | 3TA, T90  |
| 23 | E5327  | Right exhaust pipe              | 1           | 3TA, T90  |
| 24 | E4947  | Finned clip                     | 2           |           |
| 25 | E410A  | Hemispherical washer            | 2           |           |
| 26 | E409   | Bolt (1 $\frac{3}{8}$ in. U.H.) | 2           |           |
| 27 | F4707  | Left bracket                    | 1           |           |
| 28 | F4283  | Right bracket                   | 1           |           |
| 29 | DS57   | Bolt ( $\frac{7}{8}$ in. U.H.)  | 2           |           |
| 30 | E1612  | Serrated washer                 | 2           |           |
| 31 | F879   | Nut                             | 2           |           |
| 32 | E3935  | Left silencer                   | 1           |           |
| 32 | E4157  | Left muffler                    | 1           | T100R     |
| 33 | E3936  | Right silencer                  | 1           |           |
| 33 | E4158  | Right muffler                   | 1           | T100R     |
| 34 | E4155  | Silencer mute                   | As required |           |
| 35 | H689   | Screw ( $\frac{1}{2}$ in. U.H.) | As required |           |
| 36 | H691   | Nut                             | As required |           |
| 37 | E2271  | Clip                            | 2           |           |
| 38 | F3430  | Bolt (1 $\frac{3}{4}$ in. U.H.) | 2           |           |
| 39 | E3768  | "D" washer                      | 4           |           |
| 40 | S26-3  | Spring washer                   | 2           |           |
| 41 | E1310  | Nut                             | 2           |           |



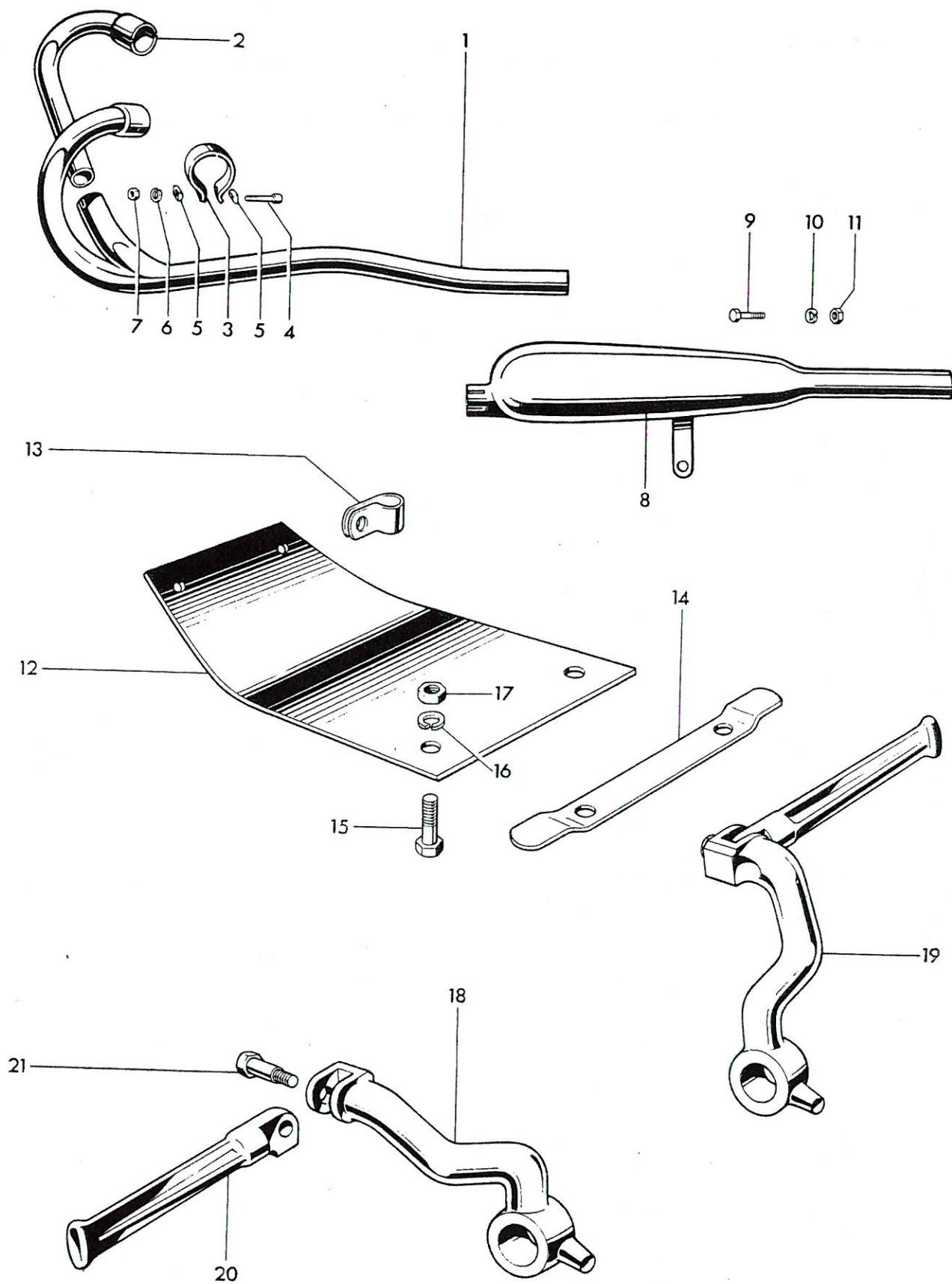


Fig. 12. EXHAUST PIPES, UNDERSHIELD AND FOOTPEGS (T100C)

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

### EXHAUST PIPES, UNDERSHIELD AND FOOTPEGS (T100C)

|    |       |                                    |   |  |
|----|-------|------------------------------------|---|--|
| 1  | E4513 | Left Exhaust pipe ...              | 1 |  |
| 2  | E4514 | Right exhaust pipe                 | 1 |  |
| 3  | E5874 | Clip ...                           | 1 |  |
| 4  | F3430 | Bolt ...                           | 1 |  |
| 5  | E3768 | "D" Washer ...                     | 2 |  |
| 6  | S26-3 | Spring Washer ...                  | 1 |  |
| 7  | E1310 | Nut ...                            | 1 |  |
| 8  | E3470 | Muffler ...                        | 1 |  |
| 9  | H426  | Bolt ( $\frac{3}{4}$ in. U.H.) ... | 1 |  |
| 10 | S26-1 | Spring washer ...                  | 1 |  |
| 11 | S1-51 | Nut ...                            | 1 |  |
| 12 | F4852 | Undershield ...                    | 1 |  |
| 13 | F1700 | Clip ...                           | 2 |  |
| 14 | F3078 | Bracket ...                        | 1 |  |
| 15 | F1369 | Bolt ( $\frac{5}{8}$ in. U.H.) ... | 4 |  |
| 16 | S26-2 | Spring washer ...                  | 4 |  |
| 17 | F879  | Nut ...                            | 4 |  |
| 18 | F7018 | LEFT FOLDING FOOTPEG               | 1 |  |
| 19 | F7019 | RIGHT FOLDING FOOTPEG              | 2 |  |
| 20 | F6411 | Pedal ...                          | 2 |  |
| 21 | F6655 | Pivot bolt ...                     | 2 |  |

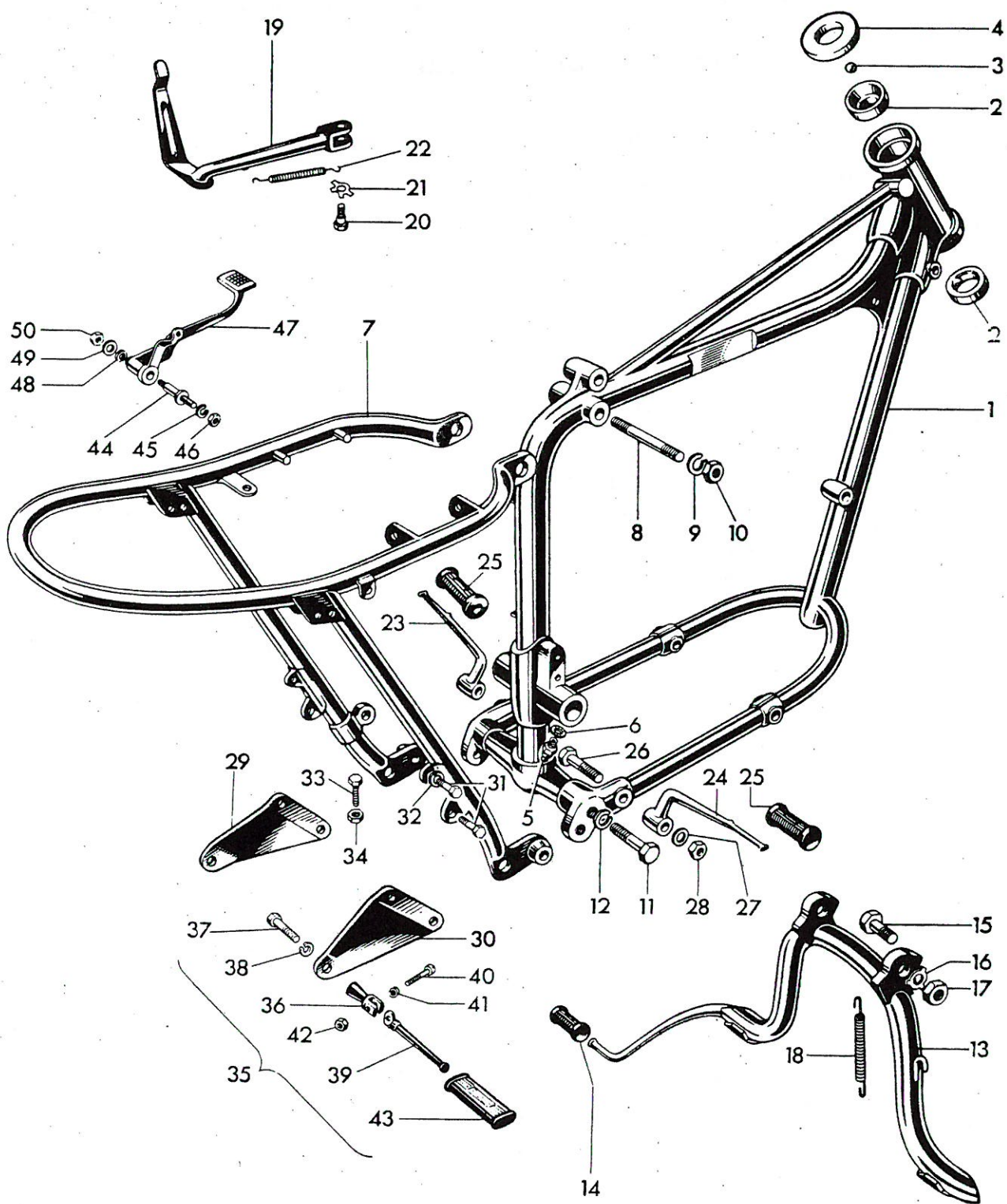


Fig. 13. FRAME



| Ref. No.     | Part No. | DESCRIPTION                                       | QUANTITY | REMARKS      |
|--------------|----------|---------------------------------------------------|----------|--------------|
| <b>FRAME</b> |          |                                                   |          |              |
| 1            | F6912    | Front frame ... ..                                | 1        |              |
| 2            | H1130    | Steering race cup ... ..                          | 2        |              |
| 3            | S70-4    | Steel ball ( $\frac{3}{8}$ in. U.H.) ... ..       | 48       |              |
| 4            | H1140    | Top cone and dust cover ... ..                    | 1        |              |
| 5            | NW100    | Grease nipple ... ..                              | 1        |              |
| 6            | WE170    | Fibre washer ... ..                               | 1        |              |
| 7            | F6913    | Rear frame ... ..                                 | 1        |              |
| 8            | F2842    | Stud ( $4\frac{3}{8}$ in. O.A.) ... ..            | 1        |              |
| 9            | S26-1    | Spring washer ... ..                              | 2        |              |
| 10           | S1-52    | Nut ... ..                                        | 2        |              |
| 11           | F3780    | Bolt ( $1\frac{1}{8}$ in. U.H.) ... ..            | 2        |              |
| 12           | PCW73A   | Spring washer ... ..                              | 2        |              |
| 13           | F4891    | Centre stand ... ..                               | 1        | T100R        |
| 13           | F5153    | Centre stand ... ..                               | 1        |              |
| 14           | T449     | Pedal rubber ... ..                               | 1        |              |
| 15           | F3619    | Pivot bolt ( $1\frac{1}{8}$ in. U.H.) ... ..      | 2        |              |
| 16           | F4484    | Tab washer ... ..                                 | 2        |              |
| 17           | F2725    | Nut ... ..                                        | 2        |              |
| 18           | F3617    | Return spring ... ..                              | 1        |              |
| 19           | F5539    | Prop stand ... ..                                 | 1        | T100C, T100R |
| 19           | F3723    | Prop stand ... ..                                 | 1        |              |
| 20           | F3097    | Pivot bolt ... ..                                 | 1        |              |
| 21           | F3096    | Tab washer ... ..                                 | 1        |              |
| 22           | F2610    | Return spring ... ..                              | 1        |              |
| 23           | F4214    | Left footrest ... ..                              | 1        |              |
| 24           | F4215    | Right footrest ... ..                             | 1        |              |
| 25           | NF704    | Pedal rubber ... ..                               | 2        |              |
| 26           | F4369    | Bolt ( $2\frac{1}{8}$ in. U.H.) ... ..            | 2        |              |
| 27           | F4370    | Plain washer ... ..                               | 2        |              |
| 28           | DS47     | Nut ... ..                                        | 2        |              |
| 29           | F5087    | Left pillion footrest support ... ..              | 1        |              |
| 30           | F5088    | Right pillion footrest support ... ..             | 1        |              |
| 31           | DS58     | Bolt ( $\frac{3}{8}$ in. U.H.) ... ..             | 4        |              |
| 32           | S26-3    | Spring washer ... ..                              | 4        |              |
| 33           | F1149    | Pedal stop screw ( $\frac{1}{8}$ in. U.H.) ... .. | 1        |              |
| 34           | F879     | Nut ... ..                                        | 1        |              |
| 35           | F5552    | PILLION FOOTREST ... ..                           | 2        |              |
| 36           | F2268    | Footrest hanger ... ..                            | 2        |              |
| 37           | F5535    | Bolt ( $\frac{1}{8}$ in. U.H.) ... ..             | 2        |              |
| 38           | S26-1    | Spring washer ... ..                              | 2        |              |
| 39           | F1694    | Pedal ... ..                                      | 2        |              |
| 40           | F2271    | Pivot bolt ... ..                                 | 2        |              |
| 41           | F2277    | Spring washer ... ..                              | 2        |              |
| 42           | S1-51    | Nut ... ..                                        | 2        |              |
| 43           | F1695    | Pedal rubber ... ..                               | 2        |              |
| 44           | F4284    | Brake pedal spindle ... ..                        | 1        |              |
| 45           | SCZ45    | Spring washer ... ..                              | 1        |              |
| 46           | DS48     | Nut ... ..                                        | 1        |              |
| 47           | F4314    | Brake pedal ... ..                                | 1        |              |
| 48           | S26-16   | Spring washer ... ..                              | 1        |              |
| 49           | S25-2    | Plain washer ... ..                               | 1        |              |
| 50           | S1-52    | Nut ... ..                                        | 1        |              |

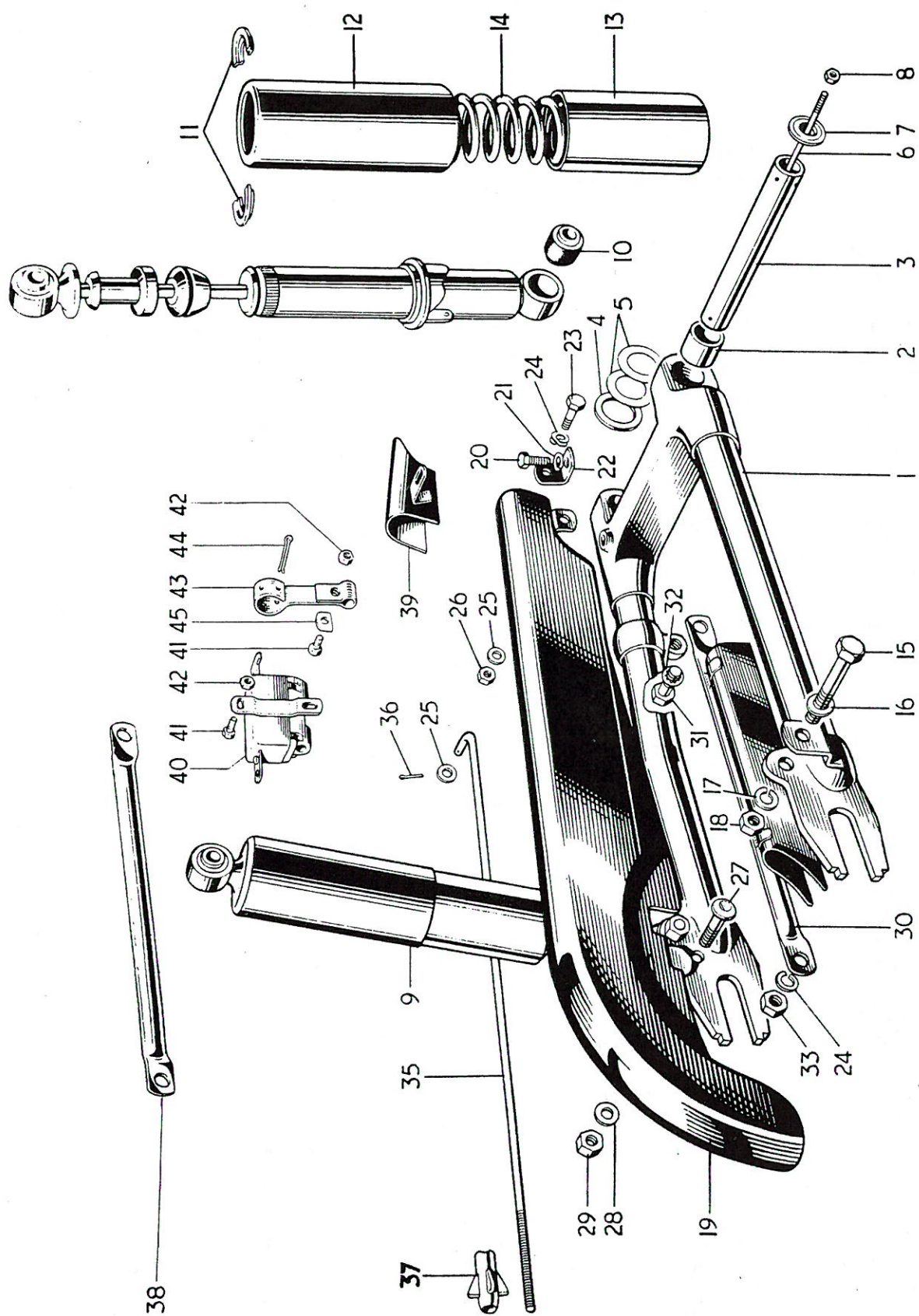


Fig. 14. SWINGING FORK, SUSPENSION UNITS AND CHAINGUARD

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

# SWINGING FORK, SUSPENSION UNITS AND CHAINGUARD

|    |                                       |                                             |             |              |
|----|---------------------------------------|---------------------------------------------|-------------|--------------|
| 1  | F6936                                 | SWINGING FORK                               | 1           |              |
| 2  | F4076                                 | Pivot bush                                  | 2           |              |
| 3  | F4195                                 | Spindle                                     | 1           |              |
| 4  | F4078                                 | Spacing washer                              | 1           |              |
| 5  | F4385                                 | Shim 0.003 in.                              | as required |              |
| 5  | F4386                                 | Shim 0.005 in.                              | as required |              |
| 6  | F3797                                 | Retainer rod                                | 1           |              |
| 7  | F4196                                 | Cap                                         | 2           |              |
| 8  | F3799                                 | Nut                                         | 2           |              |
| 9  | 64053946                              | SUSPENSION UNIT                             | 2           |              |
| 9  | 64054164                              | SUSPENSION UNIT                             | 2           | T100C, T100R |
| 10 | 9054/316A                             | Bonded bush                                 | 4           |              |
| 11 | 9054/171                              | Spring retainer                             | 4           |              |
| 12 | 9054/151                              | Outer dirt shield                           | 2           |              |
| 13 | 9054/47                               | Inner dirt shield                           | 2           |              |
| 14 | 64539963                              | Spring, 130 lbs. Red/Orange                 | 2           |              |
| 14 | 9054/277                              | Spring, 110 lbs. Red/Red                    | as required |              |
| 14 | SA253/5                               | Spring, 145 lbs. Blue/Yellow                | as required |              |
| 15 | E2113                                 | Unit fixing bolt (1 $\frac{1}{8}$ in. U.H.) | 4           |              |
| 16 | F2184                                 | Plain washer                                | 2           |              |
| 17 | S26-1                                 | Spring washer                               | 2           |              |
| 18 | PO172A                                | Nut                                         | 2           |              |
| 19 | F5409                                 | Upper chainguard                            | 1           |              |
| 20 | DS57                                  | Bolt ( $\frac{1}{8}$ in. U.H.)              | 1           |              |
| 21 | S26-2                                 | Spring washer                               | 1           |              |
| 22 | F4134                                 | Front bracket                               | 1           |              |
| 23 | F4135                                 | Pivot bolt                                  | 1           |              |
| 24 | F2277                                 | Spring washer                               | 1           |              |
| 25 | S25-13                                | Plain washer                                | 2           |              |
| 26 | E5269                                 | Nut                                         | 1           |              |
| 27 | F4136                                 | Stepped bolt                                | 1           |              |
| 28 | S25-3                                 | Plain washer                                | 1           |              |
| 29 | S1-51                                 | Nut                                         | 1           |              |
| 30 | F4199                                 | Lower chainguard                            | 1           | 3TA, 5TA     |
| 31 | W840                                  | Bolt (17/32 in. U.H.)                       | 1           |              |
| 32 | E2288                                 | Serrated washer                             | 1           |              |
| 33 | DS47                                  | Nut                                         | 1           |              |
| 34 | PCW73A                                | Spring washer                               | 1           |              |
| 35 | F3597                                 | Brake operating rod                         | 1           |              |
| 36 | $\frac{1}{8}$ in. x $\frac{3}{8}$ in. | Split pin                                   | 1           |              |
| 37 | F4585                                 | Adjuster nut                                | 1           |              |
| 38 | F4201                                 | Brake torque stay                           | 1           | T90, T100    |
| 39 | F6046                                 | Front chainguard                            | 1           |              |
| 40 | 31383                                 | Stop lamp switch, type 22 B                 | 1           |              |
| 41 | T1076                                 | Bolt ( $\frac{3}{8}$ in. U.H.)              | 3           |              |
| 42 | F4717                                 | Self locking nut                            | 5           |              |
| 43 | F5687                                 | Lever                                       | 1           |              |
| 44 | 3/32 in. x $\frac{7}{8}$ in.          | Split pin                                   | 1           |              |
| 45 | F5413                                 | "D" washer                                  | 1           |              |



FORK ASSEMBLY REF. N° 1

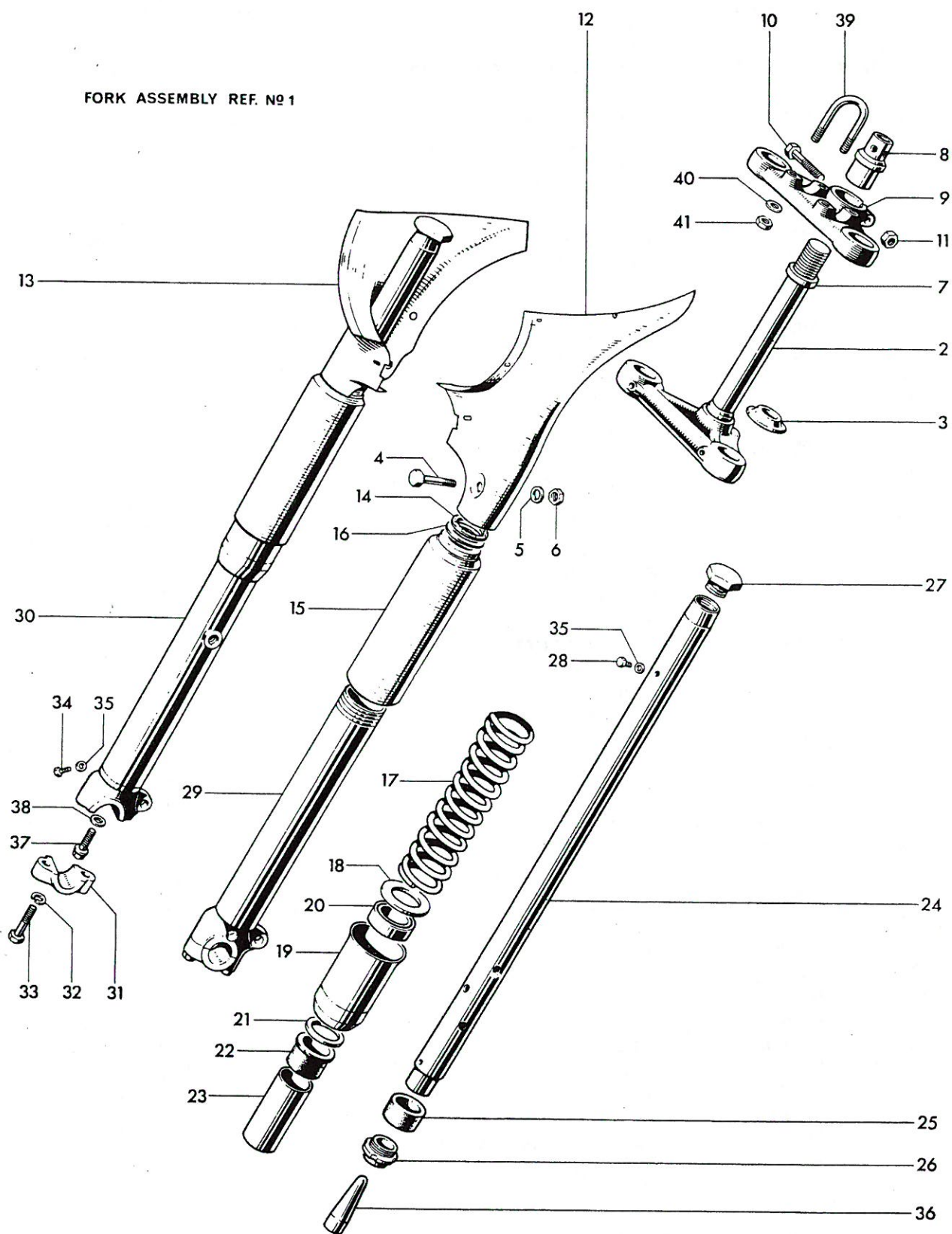
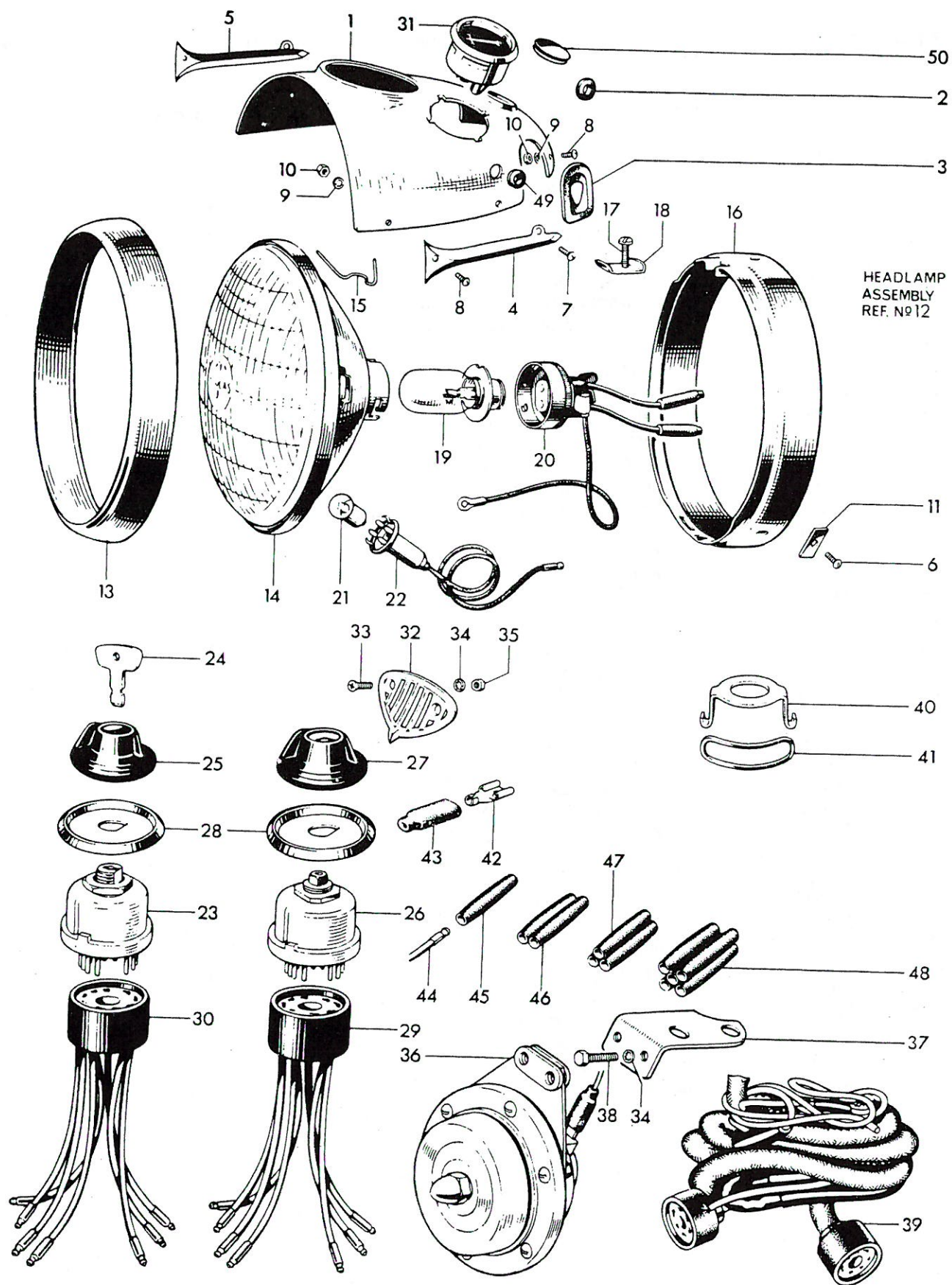


Fig. 15. TELESCOPIC FRONT FORK, 3TA AND 5TA

| Ref. No.                                  | Part No. | DESCRIPTION                                      | QUANTITY | REMARKS |
|-------------------------------------------|----------|--------------------------------------------------|----------|---------|
| <b>TELESCOPIC FRONT FORK, 3TA AND 5TA</b> |          |                                                  |          |         |
| 1                                         | H2014    | FORK ASSEMBLY ... ..                             | 1        |         |
| 2                                         | H1328    | Middle lug and stem ... ..                       | 1        |         |
| 3                                         | H1110    | Bottom cone ... ..                               | 1        |         |
| 4                                         | H941     | Pinch bolt ( $2\frac{1}{4}$ in. U.H.) ... ..     | 2        |         |
| 5                                         | S25-2    | Plain washer ... ..                              | 2        |         |
| 6                                         | H1335    | Nut ( $2\frac{3}{8}$ in. O.A.) ... ..            | 2        |         |
| 7                                         | H1667    | Distance piece ... ..                            | 1        |         |
| 8                                         | H1141    | Fork stem sleeve nut ... ..                      | 1        |         |
| 9                                         | H1108    | Top lug ... ..                                   | 1        |         |
| 10                                        | F1760    | Pinch bolt ( $1\frac{1}{8}$ in. U.H.) ... ..     | 1        |         |
| 11                                        | H379     | Seated nut ... ..                                | 1        |         |
| 12                                        | H1290    | Left nacelle cover ... ..                        | 1        |         |
| 13                                        | H1291    | Right nacelle cover ... ..                       | 1        |         |
| 14                                        | F4047    | Cork washer ... ..                               | 2        |         |
| 15                                        | H1916    | Upper cover tube ... ..                          | 2        |         |
| 16                                        | H1745    | Plain washer ... ..                              | 2        |         |
| 17                                        | H1891    | Main spring (Yellow/Blue) ... ..                 | 2        |         |
| 18                                        | H1656    | Plain washer ... ..                              | 2        |         |
| 19                                        | H1654    | DUST EXCLUDER SLEEVE NUT ... ..                  | 2        |         |
| 20                                        | H1500    | Oil seal ... ..                                  | 2        |         |
| 21                                        | H431     | Plain washer ... ..                              | 2        |         |
| 22                                        | H441     | Top bearing ... ..                               | 2        |         |
| 23                                        | H1896    | Damping sleeve ... ..                            | 2        |         |
| 24                                        | H1890    | STANCHION c/w BEARING ... ..                     | 2        |         |
| 25                                        | H443     | Lower bearing ... ..                             | 2        |         |
| 26                                        | H1058    | Bearing nut ... ..                               | 2        |         |
| 27                                        | H1659    | Cap nut ... ..                                   | 2        |         |
| 28                                        | H519A    | Oil filler plug ( $\frac{3}{8}$ in. U.H.) ... .. | 2        |         |
| 29                                        | H1842    | LEFT BOTTOM MEMBER c/w CAP ... ..                | 1        |         |
| 30                                        | H1843    | RIGHT BOTTOM MEMBER c/w CAP ... ..               | 1        |         |
| 31                                        | H1844    | Spindle cap ... ..                               | 2        |         |
| 32                                        | S26-3    | Spring washer ... ..                             | 4        |         |
| 33                                        | H1070    | Cap bolt ( $1\frac{7}{8}$ in. U.H.) ... ..       | 4        |         |
| 34                                        | H1071    | Drain plug ... ..                                | 2        |         |
| 35                                        | H430     | Fibre washer ... ..                              | 4        |         |
| 36                                        | H1499    | Restrictor ... ..                                | 2        |         |
| 37                                        | H1063    | Flanged bolt ( $23/32$ in. U.H.) ... ..          | 2        |         |
| 38                                        | H1062    | Aluminium washer ... ..                          | 2        |         |
| 39                                        | H660     | Handlebar "U" bolt ... ..                        | 2        |         |
| 40                                        | S25-3    | Plain washer ... ..                              | 4        |         |
| 41                                        | E1310    | Nut ... ..                                       | 4        |         |





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

## NACELLE, HEADLAMP AND SWITCHES

|    |          |                                         |     |     |     |     |     |             |  |
|----|----------|-----------------------------------------|-----|-----|-----|-----|-----|-------------|--|
| 1  | H1781    | Nacelle top                             | ... | ... | ... | ... | ... | 1           |  |
| 2  | H961     | Rubber grommet                          | ... | ... | ... | ... | ... | 1           |  |
| 3  | H669     | Rubber grommet                          | ... | ... | ... | ... | ... | 2           |  |
| 4  | H877     | Left motif                              | ... | ... | ... | ... | ... | 1           |  |
| 5  | H878     | Right motif                             | ... | ... | ... | ... | ... | 1           |  |
| 6  | H689     | Screw ( $\frac{1}{4}$ in. U.H.)         | ... | ... | ... | ... | ... | 4           |  |
| 7  | H687     | Screw ( $\frac{3}{8}$ in. U.H.)         | ... | ... | ... | ... | ... | 2           |  |
| 8  | H688     | Screw ( $\frac{5}{16}$ in. U.H.)        | ... | ... | ... | ... | ... | 2           |  |
| 9  | E2880    | Serrated washer                         | ... | ... | ... | ... | ... | 4           |  |
| 10 | H691     | Nut                                     | ... | ... | ... | ... | ... | 4           |  |
| 11 | H690     | Nut                                     | ... | ... | ... | ... | ... | 1           |  |
| 12 | 59176    | HEADLAMP                                | ... | ... | ... | ... | ... | 1           |  |
| 13 | 553248   | Rim                                     | ... | ... | ... | ... | ... | 1           |  |
| 14 | 516812   | Light unit                              | ... | ... | ... | ... | ... | 1           |  |
| 15 | 504665   | Fixing wire                             | ... | ... | ... | ... | ... | 6           |  |
| 16 | 553267   | Fixing ring                             | ... | ... | ... | ... | ... | 1           |  |
| 17 | 144921   | Screw                                   | ... | ... | ... | ... | ... | 1           |  |
| 18 | 534296   | Plate                                   | ... | ... | ... | ... | ... | 1           |  |
| 19 | 414      | Bulb (50/40 W. L.H. Dipping. Pre-focus) | ... | ... | ... | ... | ... | 1           |  |
| 20 | 554602   | Adaptor                                 | ... | ... | ... | ... | ... | 1           |  |
| 21 | 222      | Bulb (4W.M.C.C.)                        | ... | ... | ... | ... | ... | 1           |  |
| 22 | 554710   | Pilot bulbholder                        | ... | ... | ... | ... | ... | 1           |  |
| 23 | 34427    | IGNITION SWITCH c/w KEY, type 88SA      | ... | ... | ... | ... | ... | 1           |  |
| 24 | 54336176 | Ignition key                            | ... | ... | ... | ... | ... | 1           |  |
| 25 | 54336178 | Ignition switch cover                   | ... | ... | ... | ... | ... | 1           |  |
| 26 | 34289    | Lighting switch, type 88SA              | ... | ... | ... | ... | ... | 1           |  |
| 27 | 54330934 | Knob c/w screw                          | ... | ... | ... | ... | ... | 1           |  |
| 28 | 54330576 | Switch bezel plate                      | ... | ... | ... | ... | ... | 2           |  |
| 29 | 54930007 | Replacement harness socket (Lighting)   | ... | ... | ... | ... | ... | as required |  |
| 30 | 54930008 | Replacement harness socket (Ignition)   | ... | ... | ... | ... | ... | as required |  |
| 31 | 36296    | Ammeter, type 2AR                       | ... | ... | ... | ... | ... | 1           |  |
| 32 | H992     | Horn grille                             | ... | ... | ... | ... | ... | 1           |  |
| 33 | F4129    | Screw (0.435 in. U.H.)                  | ... | ... | ... | ... | ... | 2           |  |
| 34 | GS299    | Serrated washer                         | ... | ... | ... | ... | ... | 4           |  |
| 35 | F3799    | Nut                                     | ... | ... | ... | ... | ... | 2           |  |
| 36 | H1420    | Horn bracket                            | ... | ... | ... | ... | ... | 1           |  |
| 37 | 70164    | Horn type 8H                            | ... | ... | ... | ... | ... | 1           |  |
| 38 | F4771    | Bolt ( $\frac{1}{2}$ in. U.H.)          | ... | ... | ... | ... | ... | 2           |  |
| 39 | 54938942 | Wiring harness                          | ... | ... | ... | ... | ... | 1           |  |
| 40 | F5983    | Bracket                                 | ... | ... | ... | ... | ... | 2           |  |
| 41 | F5988    | Rubber band                             | ... | ... | ... | ... | ... | 2           |  |
| 42 | 54942078 | Lucar connector                         | ... | ... | ... | ... | ... | 2           |  |
| 43 | 54190042 | Insulating cover                        | ... | ... | ... | ... | ... | 2           |  |
| 44 | 900269   | Snap connector terminal                 | ... | ... | ... | ... | ... | as required |  |
| 45 | 900288   | Single snap connector                   | ... | ... | ... | ... | ... | as required |  |
| 46 | 850641   | Double snap connector                   | ... | ... | ... | ... | ... | as required |  |
| 47 | 850844   | Triple snap connector                   | ... | ... | ... | ... | ... | as required |  |
| 48 | 850832   | Quintuple snap connector                | ... | ... | ... | ... | ... | as required |  |
| 49 | H1938    | Blind grommet                           | ... | ... | ... | ... | ... | 2           |  |
| 50 | H1421    | Rubber grommet                          | ... | ... | ... | ... | ... | 1           |  |

FORK ASSEMBLY REF. N°1

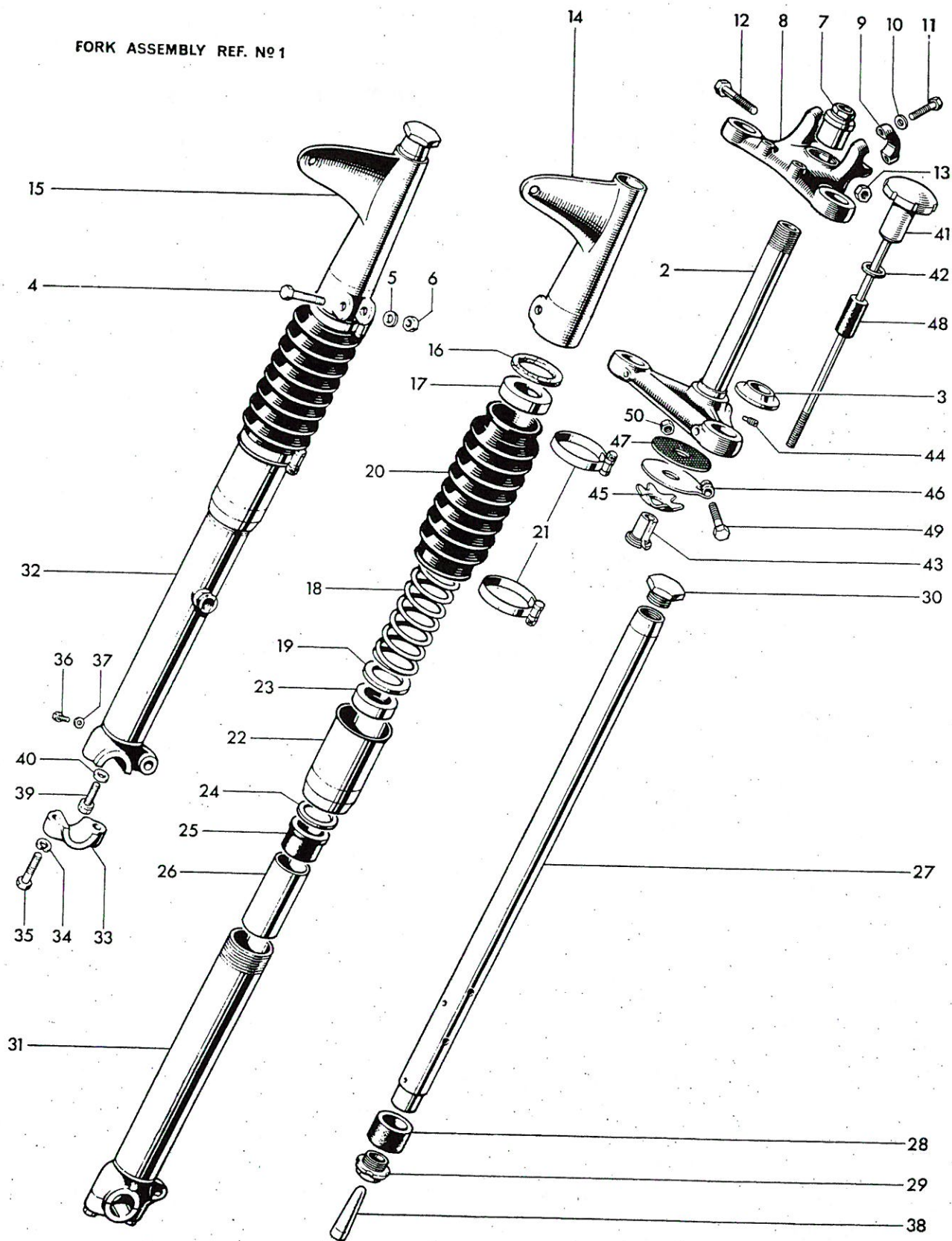


Fig. 17. TELESCOPIC FRONT FORK, T90 AND T100

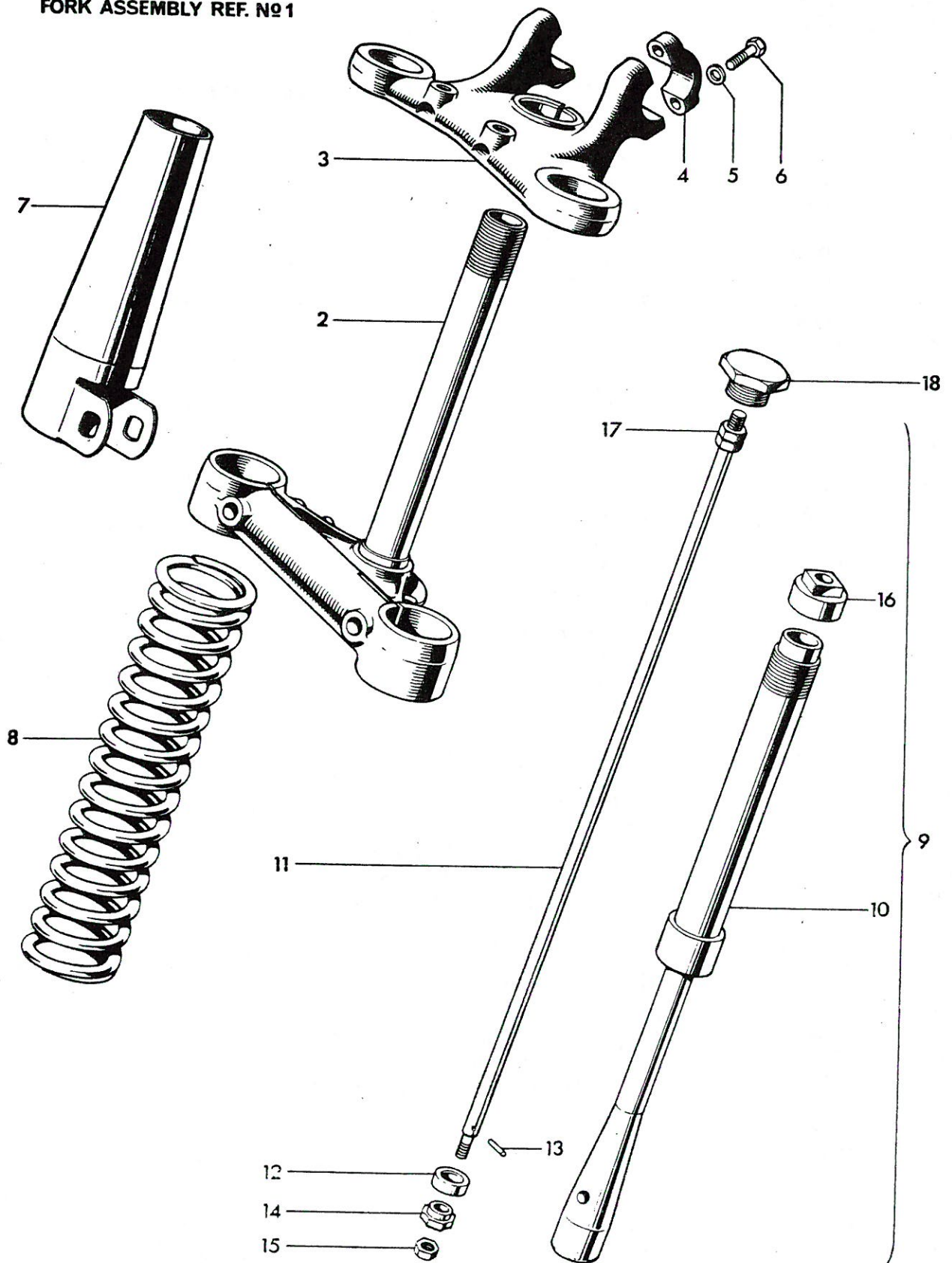
| Ref. No. | Part No. | DESCRIPTION | QUANTITY | REMARKS |
|----------|----------|-------------|----------|---------|
|----------|----------|-------------|----------|---------|

# **TELESCOPIC FRONT FORK, T90 AND T100**

|    |        |                               |   |                            |
|----|--------|-------------------------------|---|----------------------------|
| 1  | H1918  | FORK ASSEMBLY                 | 1 | incl. U.S.A. Western T100C |
| 2  | H1328  | Middle lug and stem           | 1 |                            |
| 3  | H1110  | Bottom cone                   | 1 |                            |
| 4  | H941   | Pinch bolt (2 1/4 in. U.H.)   | 2 |                            |
| 5  | S25-2  | Plain washer                  | 2 |                            |
| 6  | H1335  | Nut (2 3/8 in. O.A.)          | 2 |                            |
| 7  | H405   | Fork stem sleeve nut          | 1 |                            |
| 8  | H1287  | TOP LUG c/w CAPS              | 1 |                            |
| 9  | H506   | Handlebar cap                 | 2 |                            |
| 10 | S25-3  | Plain washer                  | 4 |                            |
| 11 | H1340  | Bolt (1 1/8 in. U.H.)         | 4 |                            |
| 12 | F1760  | Pinch bolt (1 1/8 in. U.H.)   | 1 |                            |
| 13 | H379   | Seated nut                    | 1 |                            |
| 14 | H1888  | Left cover                    | 1 |                            |
| 15 | H1887  | Right cover                   | 1 |                            |
| 16 | F4047  | Cork washer                   | 2 |                            |
| 17 | H1657  | Spring abutment               | 2 |                            |
| 18 | H1891  | Main spring (Yellow/Blue)     | 2 |                            |
| 19 | H1656  | Plain washer                  | 2 |                            |
| 20 | H1645  | Telescopic gaiter             | 2 |                            |
| 21 | D340   | Clip                          | 4 |                            |
| 22 | H1654  | DUST EXCLUDER SLEEVE NUT      | 2 |                            |
| 23 | H1500  | Oil seal                      | 2 |                            |
| 24 | H431   | Plain washer                  | 2 |                            |
| 25 | H441   | Top bearing                   | 2 |                            |
| 26 | H1896  | Damping sleeve                | 2 |                            |
| 27 | H1889  | STANCHION c/w BEARING         | 2 |                            |
| 28 | H443   | Lower bearing                 | 2 |                            |
| 29 | H1058  | Bearing nut                   | 2 |                            |
| 30 | H1658  | Cap nut                       | 2 |                            |
| 31 | H1842  | LEFT BOTTOM MEMBER c/w CAP    | 1 |                            |
| 32 | H1843  | RIGHT BOTTOM MEMBER c/w CAP   | 1 |                            |
| 33 | H1844  | Spindle cap                   | 2 |                            |
| 34 | S26-3  | Spring washer                 | 4 |                            |
| 35 | H1070  | Bolt (1 7/8 in. U.H.)         | 4 |                            |
| 36 | H1071  | Drain plug                    | 2 |                            |
| 37 | H430   | Fibre washer                  | 2 |                            |
| 38 | H1499  | Restrictor                    | 2 |                            |
| 39 | H1063  | Flanged bolt (23/32 in. U.H.) | 2 |                            |
| 40 | H1062  | Aluminium washer              | 2 |                            |
| 41 | H1142  | Steering damper rod           | 1 |                            |
| 42 | H565   | Plain washer                  | 1 |                            |
| 43 | H408   | Adjuster sleeve               | 1 |                            |
| 44 | H1286  | Locating pin                  | 1 |                            |
| 45 | H95    | Spring plate                  | 1 |                            |
| 46 | H1111A | Anchor plate                  | 1 |                            |
| 47 | H435   | Friction disc                 | 1 |                            |
| 48 | H1618  | Rubber sleeve                 | 1 |                            |
| 49 | F3468  | Bolt (2 1/4 in. U.H.)         | 1 |                            |
| 50 | S1-51  | Nut                           | 1 |                            |



**FORK ASSEMBLY REF. №1**



**Fig. 18. TELESCOPIC FRONT FORK, U.S.A. EASTERN T100C**

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

# TELESCOPIC FRONT FORK, U.S.A. EASTERN T100C

|    |       |                                 |             |  |
|----|-------|---------------------------------|-------------|--|
| 1  | H2015 | FORK ASSEMBLY                   | 1           |  |
| 2  | H1328 | Middle lug and stem...          | 1           |  |
| 3  | H1287 | TOP LUG c/w CAPS                | 1           |  |
| 4  | H506  | Cap                             | 2           |  |
| 5  | S25-3 | Plain washer                    | 4           |  |
| 6  | H1340 | Bolt (1 $\frac{1}{8}$ in. U.H.) | 4           |  |
| 7  | H1696 | Top cover                       | As required |  |
| 8  | H1892 | Main spring (yellow/green)      | 2           |  |
| 9  | H1913 | DAMPER ASSEMBLY                 | 2           |  |
| 10 | H1893 | Restrictor body...              | 2           |  |
| 11 | H1897 | Rod                             | 2           |  |
| 12 | H1764 | Cup                             | 2           |  |
| 13 | H454  | Pin                             | 2           |  |
| 14 | H452  | Oil restrictor                  | 2           |  |
| 15 | F879  | Nut                             | 2           |  |
| 16 | H1761 | Restrictor body cap             | 2           |  |
| 17 | T224  | Nut                             | 4           |  |
| 18 | H1762 | Cap nut                         | 2           |  |

All other parts as page 53.

ASSEMBLY REF. No. 1

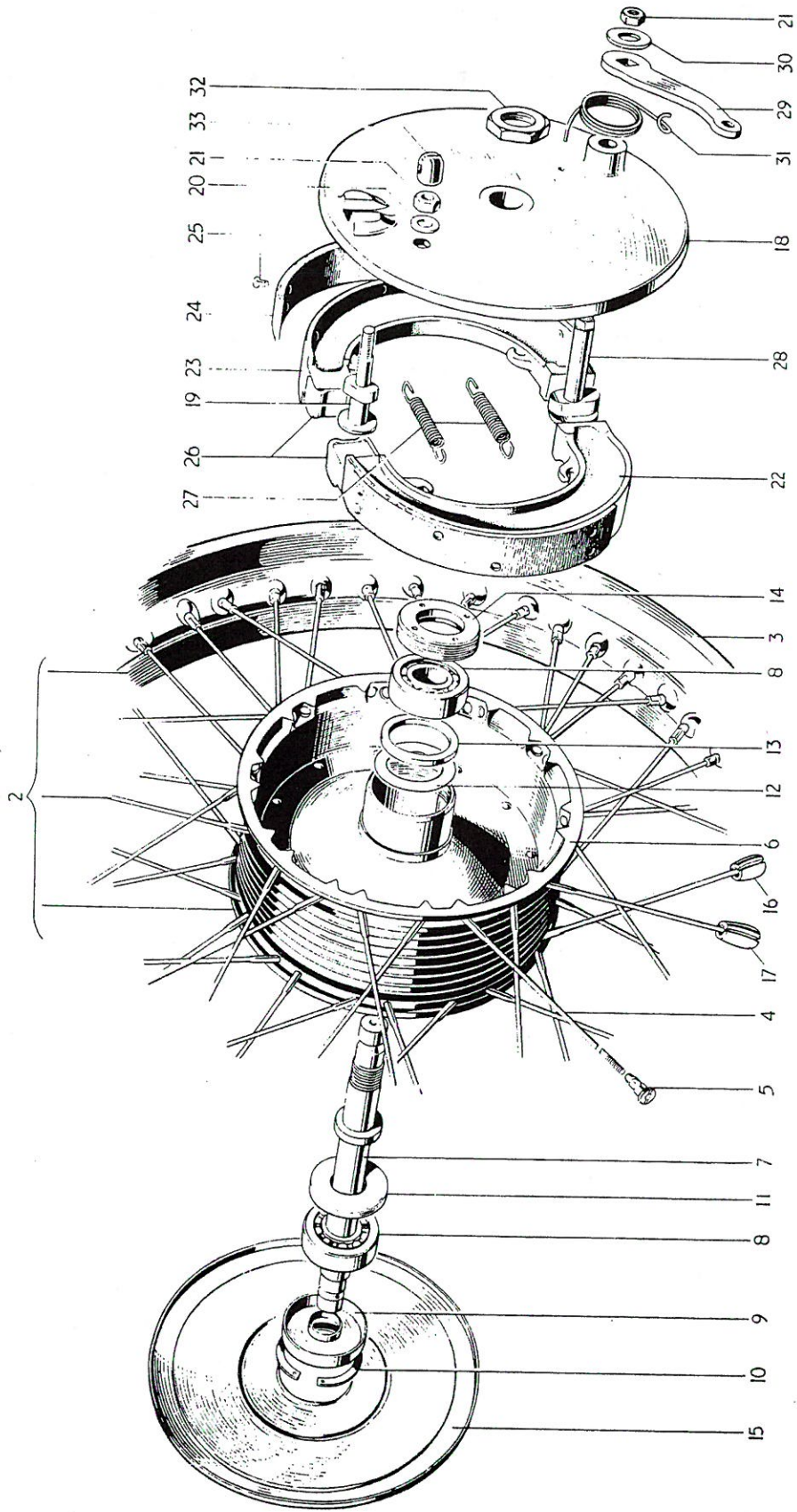


Fig. 19. FRONT WHEEL



| Ref. No.           | Part No. | DESCRIPTION                                                 | QUANTITY    | REMARKS      |
|--------------------|----------|-------------------------------------------------------------|-------------|--------------|
| <b>FRONT WHEEL</b> |          |                                                             |             |              |
| 1                  | W1665    | FRONT WHEEL COMPLETE ... ..                                 | 1           | T100R, T100C |
| 1                  | W1664    | FRONT WHEEL COMPLETE ... ..                                 | 1           |              |
| 2                  | W1229    | RIM, SPOKES AND HUB ASSEMBLY ... ..                         | 1           | T100R, T100C |
| 2                  | W1370    | RIM, SPOKES AND HUB ASSEMBLY ... ..                         | 1           |              |
| 3                  | W1230    | Front wheel rim (WM2-19) ... ..                             | 1           | T100R, T100C |
| 3                  | W1373    | Front wheel rim (WM2-18) ... ..                             | 1           |              |
| 4                  | W1236    | Spoke (8/10G x 6 in. straight) c/w nipple ...               | 40          | T100R, T100C |
| 4                  | W1497    | Spoke (8/10G x 5 $\frac{5}{8}$ in. straight) c/w nipple ... | 40          |              |
| 5                  | S79-2    | Spoke nipple ... ..                                         | 40          |              |
| 6                  | W1231    | Hub and brake drum ... ..                                   | 1           |              |
| 7                  | W1641    | Wheel spindle ... ..                                        | 1           |              |
| 8                  | W653     | Bearing ... ..                                              | 2           |              |
| 9                  | W1237    | Dust cover ... ..                                           | 1           |              |
| 10                 | T280     | Circlip ... ..                                              | 1           |              |
| 11                 | W1481    | Grease retainer ... ..                                      | 1           |              |
| 12                 | W1474    | Grease retainer (Brake side) ... ..                         | 1           |              |
| 13                 | W1238    | Backing ring ... ..                                         | 1           |              |
| 14                 | W582     | Retaining ring ... ..                                       | 1           |              |
| 15                 | W1334    | Cover plate ... ..                                          | 1           |              |
| 16                 | W1197    | Balance weight, $\frac{1}{2}$ oz. ... ..                    | as required |              |
| 17                 | W1198    | Balance weight, 1 oz. ... ..                                | as required |              |
| 18                 | W1301    | Brake anchor plate ... ..                                   | 1           |              |
| 19                 | W1639    | Fulcrum pin ... ..                                          | 1           |              |
| 20                 | S25-2    | Plain washer ... ..                                         | 1           |              |
| 21                 | S1-52    | Nut ... ..                                                  | 2           |              |
| 22                 | W1406    | LEADING BRAKE SHOE C/W LINING ... ..                        | 1           |              |
| 23                 | W1407    | TRAILING BRAKE SHOE C/W LINING ... ..                       | 1           |              |
| 24                 | NW243    | Brake lining ... ..                                         | 2           |              |
| 25                 | W129     | Brass rivet ... ..                                          | 16          |              |
| 26                 | W1415    | Thrust pad ... ..                                           | 2           |              |
| 27                 | W135     | Shoe return spring ... ..                                   | 2           |              |
| 28                 | W1243    | Brake cam ... ..                                            | 1           |              |
| 29                 | W1331    | Brake cam lever ... ..                                      | 1           |              |
| 30                 | S25-6    | Plain washer ... ..                                         | 1           |              |
| 31                 | W592     | Lever return spring ... ..                                  | 1           |              |
| 32                 | W1246    | Anchor plate nut ... ..                                     | 1           |              |
| 33                 | W1640    | Abutment ( $\frac{9}{16}$ in. deep) ... ..                  | as required |              |
| 33                 | W1711    | Abutment ( $\frac{13}{16}$ in. deep) ... ..                 | as required |              |

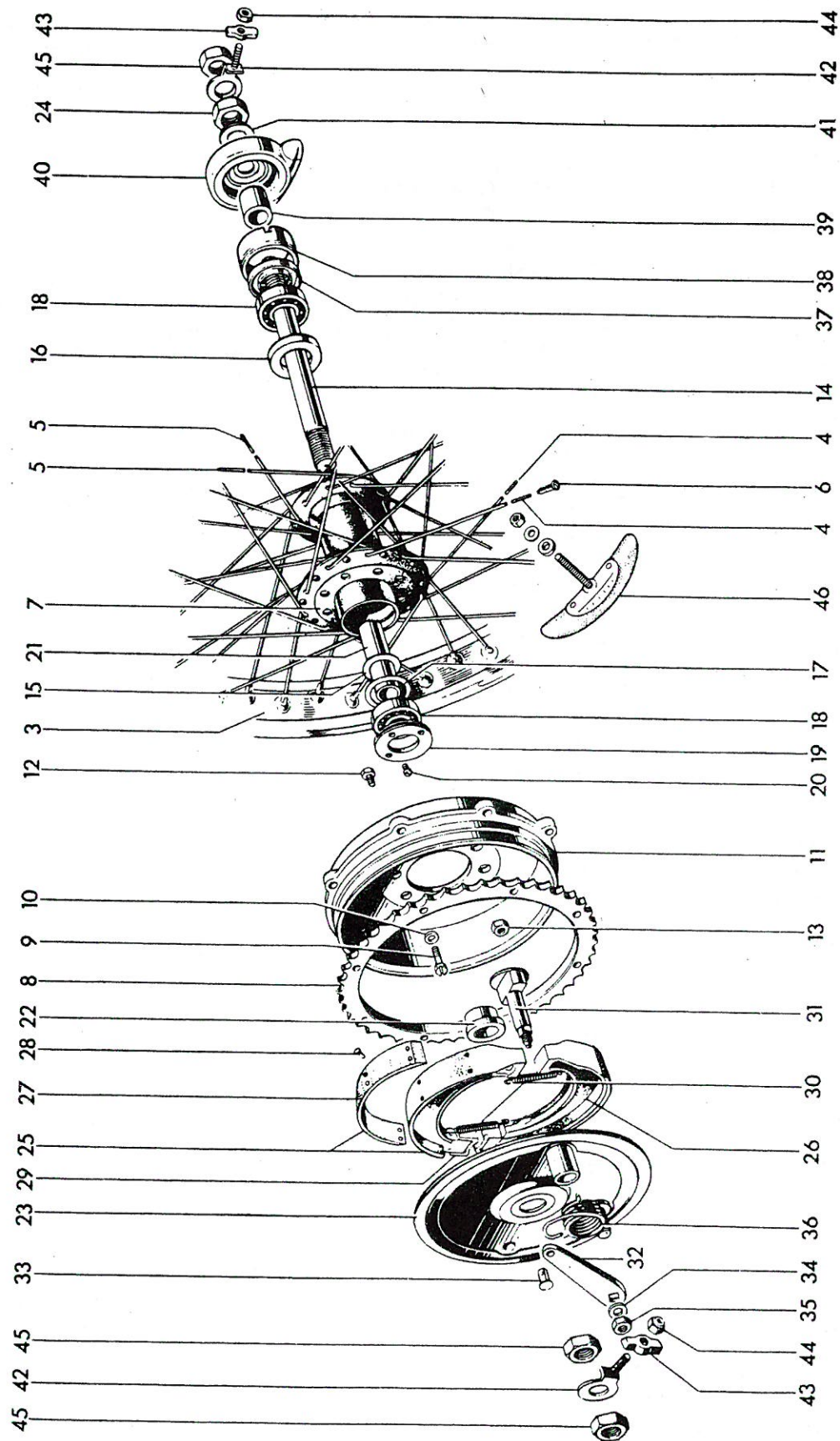


Fig. 20. REAR WHEEL

| Ref. No.          | Part No. | DESCRIPTION                                               | QUANTITY | REMARKS      |
|-------------------|----------|-----------------------------------------------------------|----------|--------------|
| <b>REAR WHEEL</b> |          |                                                           |          |              |
| 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 $\frac{3}{8}$ in. 90°) c/w nipple ... .. | 20       |              |
| 5                 | W1108    | Spoke (8/10G x 7 $\frac{3}{8}$ in. 90°) c/w nipple ... .. | 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 ( $\frac{1}{2}$ 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                | W1282    | Nut ... ..                                                | 1        |              |
| 25                | W1406    | LEADING BRAKE SHOE C/W LINING ... ..                      | 1        |              |
| 26                | W1407    | TRAILING BRAKE SHOE C/W LINING ... ..                     | 1        |              |
| 27                | NW243    | Brake lining ... ..                                       | 2        |              |
| 28                | W129     | Brass rivet ... ..                                        | 16       |              |
| 29                | W1415    | Thrust pad ... ..                                         | 2        |              |
| 30                | W135     | Shoe return spring ... ..                                 | 2        |              |
| 31                | W1083    | Brake cam ... ..                                          | 1        |              |
| 32                | W1466    | Brake cam lever ... ..                                    | 1        |              |
| 33                | W1467    | Pivot pin... ..                                           | 1        |              |
| 34                | S25-6    | Plain washer ... ..                                       | 1        |              |
| 35                | S1-52    | Nut ... ..                                                | 1        |              |
| 36                | W1090    | Lever return spring ... ..                                | 1        |              |
| 37                | W1635    | Grease retainer ... ..                                    | 1        |              |
| 38                | W1476    | Speedometer adaptor ... ..                                | 1        |              |
| 39                | W1477    | Distance piece ... ..                                     | 1        |              |
| 40                | D373     | Speedometer gearbox ... ..                                | 1        |              |
| 41                | W1280    | Plain washer ... ..                                       | 1        |              |
| 42                | W1134    | Chain adjuster ... ..                                     | 2        |              |
| 43                | W1015    | Adjuster end plate ... ..                                 | 2        |              |
| 44                | W1058    | Self-locking nut ... ..                                   | 2        |              |
| 45                | F1747    | Spindle nut ... ..                                        | 3        |              |
| 46                | D106     | Tyre security bolt... ..                                  | 2        |              |
| 46                | WM3      | Tyre security bolt... ..                                  | 2        | T100R, T100C |



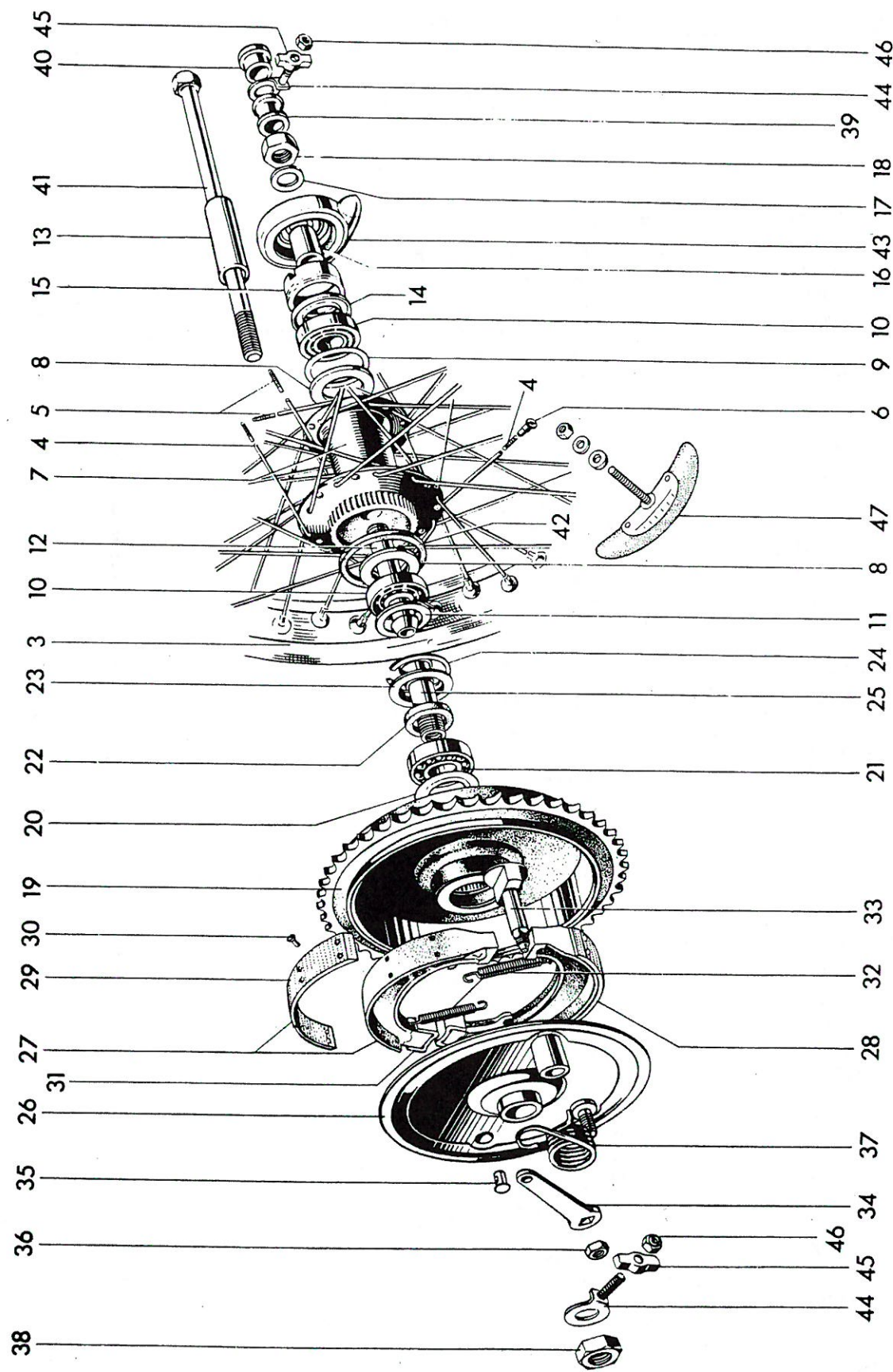


Fig. 21. QUICKLY DETACHABLE REAR WHEEL (NOT U.S.A.)

## 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 $\frac{3}{8}$ in.90°) c/w nipple ... .. | 20 |              |
| 5  | W1108 | Spoke (8/10G x 7 $\frac{7}{8}$ in.90°) c/w nipple ... .. | 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 | W1282 | Nut ... ..                                               | 1  |              |
| 19 | W1040 | Sprocket and brake drum 46T ... ..                       | 1  |              |
| 20 | W1143 | Grease retainer ... ..                                   | 1  |              |
| 21 | W1041 | Bearing ... ..                                           | 1  |              |
| 22 | W1042 | 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 | NW243 | Brake lining ... ..                                      | 2  |              |
| 30 | W129  | Brass rivet ... ..                                       | 16 |              |
| 31 | W1415 | Thrust pad ... ..                                        | 2  |              |
| 32 | W135  | Shoe return spring ... ..                                | 2  |              |
| 33 | W1083 | Brake cam ... ..                                         | 1  |              |
| 34 | W1466 | Brake cam lever ... ..                                   | 1  |              |
| 35 | W1467 | Pivot pin ... ..                                         | 1  |              |
| 36 | S1-52 | Nut ... ..                                               | 1  |              |
| 37 | W1090 | Lever return spring ... ..                               | 1  |              |
| 38 | W1052 | Nut ... ..                                               | 1  |              |
| 39 | W1392 | Inner distance piece ... ..                              | 1  |              |
| 40 | W1170 | Outer distance piece ... ..                              | 1  |              |
| 41 | W1055 | Spindle ... ..                                           | 1  |              |
| 42 | W1091 | Rubber sealing ring ... ..                               | 1  |              |
| 43 | D373  | Speedometer gearbox ... ..                               | 1  |              |
| 44 | W1135 | Chain adjuster ... ..                                    | 2  |              |
| 45 | W1015 | Adjuster end plate ... ..                                | 2  |              |
| 46 | W1058 | Self-locking nut ... ..                                  | 2  |              |
| 47 | D106  | Tyre security bolt ... ..                                | 2  |              |
| 47 | WM3   | Tyre security bolt ... ..                                | 2  | T100R, T100C |

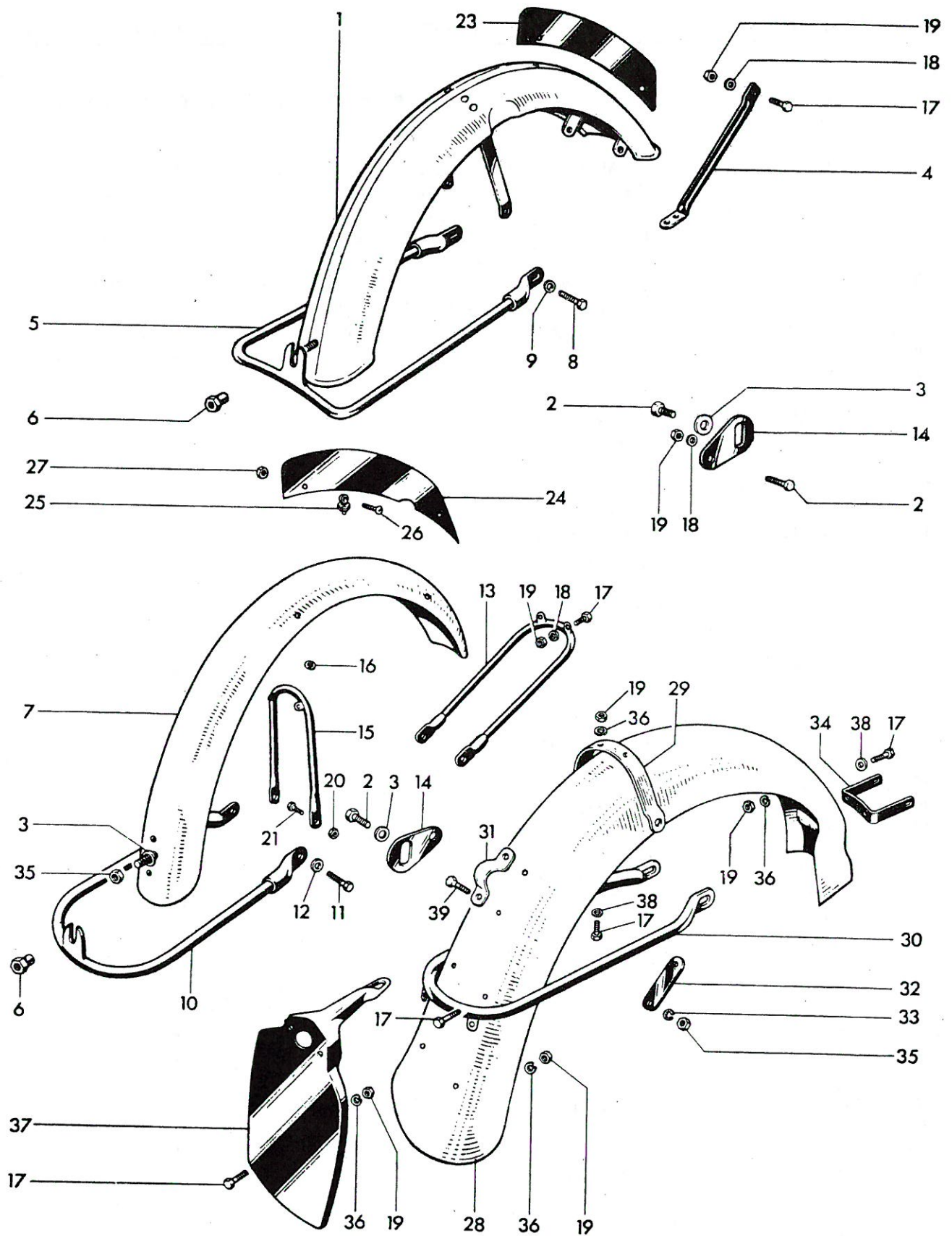


Fig. 22. MUDGUARDS (STANDARD)

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

### MUDGUARDS (STANDARD)

|    |        |                                      |    |           |
|----|--------|--------------------------------------|----|-----------|
| 1  | H1901  | Front mudguard ...                   | 1  | 3TA, 5TA  |
| 2  | F929   | Bolt ( $\frac{1}{2}$ in. U.H.) ...   | 5  |           |
| 3  | F4299  | Plain washer ...                     | 4  |           |
| 4  | H1964  | Front stay ...                       | 2  |           |
| 5  | H1100  | Bottom stay ...                      | 1  | 3TA, 5TA  |
| 6  | NS362  | Spigot nut ...                       | 1  |           |
| 7  | H1675  | Mudguard blade ...                   | 1  | T90, T100 |
| 8  | W62    | Bolt ...                             | 2  | 3TA, 5TA  |
| 9  | S25-2  | Plain washer ...                     | 2  | 3TA, 5TA  |
| 10 | H1482  | Bottom stay ...                      | 1  |           |
| 11 | H424   | Bolt ( $\frac{39}{64}$ in. U.H.) ... | 2  | T90, T100 |
| 12 | S25-71 | Plain washer ...                     | 2  |           |
| 13 | H1681  | Front stay ...                       | 1  |           |
| 14 | H1685  | Bracket ...                          | 2  |           |
| 15 | H1683  | Mudguard bridge ...                  | 1  | T90, T100 |
| 16 | WE170  | Fibre washer ...                     | 2  |           |
| 17 | DS57   | Bolt ( $\frac{7}{16}$ in. U.H.) ...  | 10 |           |
| 18 | S25-1  | Plain washer ...                     | 6  |           |
| 19 | F879   | Nut ...                              | 17 |           |
| 20 | T224   | Nut ...                              | 2  | T90, T100 |
| 21 | DS55   | Bolt ( $\frac{15}{16}$ in. U.H.) ... | 2  | T90, T100 |
| 22 | F1369  | Bolt ( $\frac{5}{8}$ in. U.H.) ...   | 2  | 3TA, 5TA  |
| 23 | F6469  | Number plate ...                     | 1  | 3TA, 5TA  |
| 24 | F6470  | Number plate ...                     | 1  | T90, T100 |
| 25 | H741   | Clip assembly ...                    | 2  |           |
| 26 | H687   | Screw ( $\frac{3}{8}$ in. U.H.) ...  | 2  |           |
| 27 | H745   | Nut ...                              | 2  |           |
| 28 | F5984  | Mudguard blade ...                   | 1  |           |
| 29 | F6915  | Mudguard bridge ...                  | 1  |           |
| 30 | F5424  | Lifting handle ...                   | 1  |           |
| 31 | F5994  | Clip ...                             | 1  |           |
| 32 | F6031  | Backing plate ...                    | 1  |           |
| 33 | S26-3  | Spring washer ...                    | 9  |           |
| 34 | F6916  | Bracket ...                          | 1  |           |
| 35 | S1-51  | Nut ...                              | 3  |           |
| 36 | S26-2  | Spring washer ...                    | 10 |           |
| 37 | F5924  | Number plate ...                     | 1  |           |
| 38 | F6310  | Plain washer ...                     | 4  |           |
| 39 | H590   | Bolt ( $\frac{9}{16}$ in. U.H.) ...  | 2  |           |



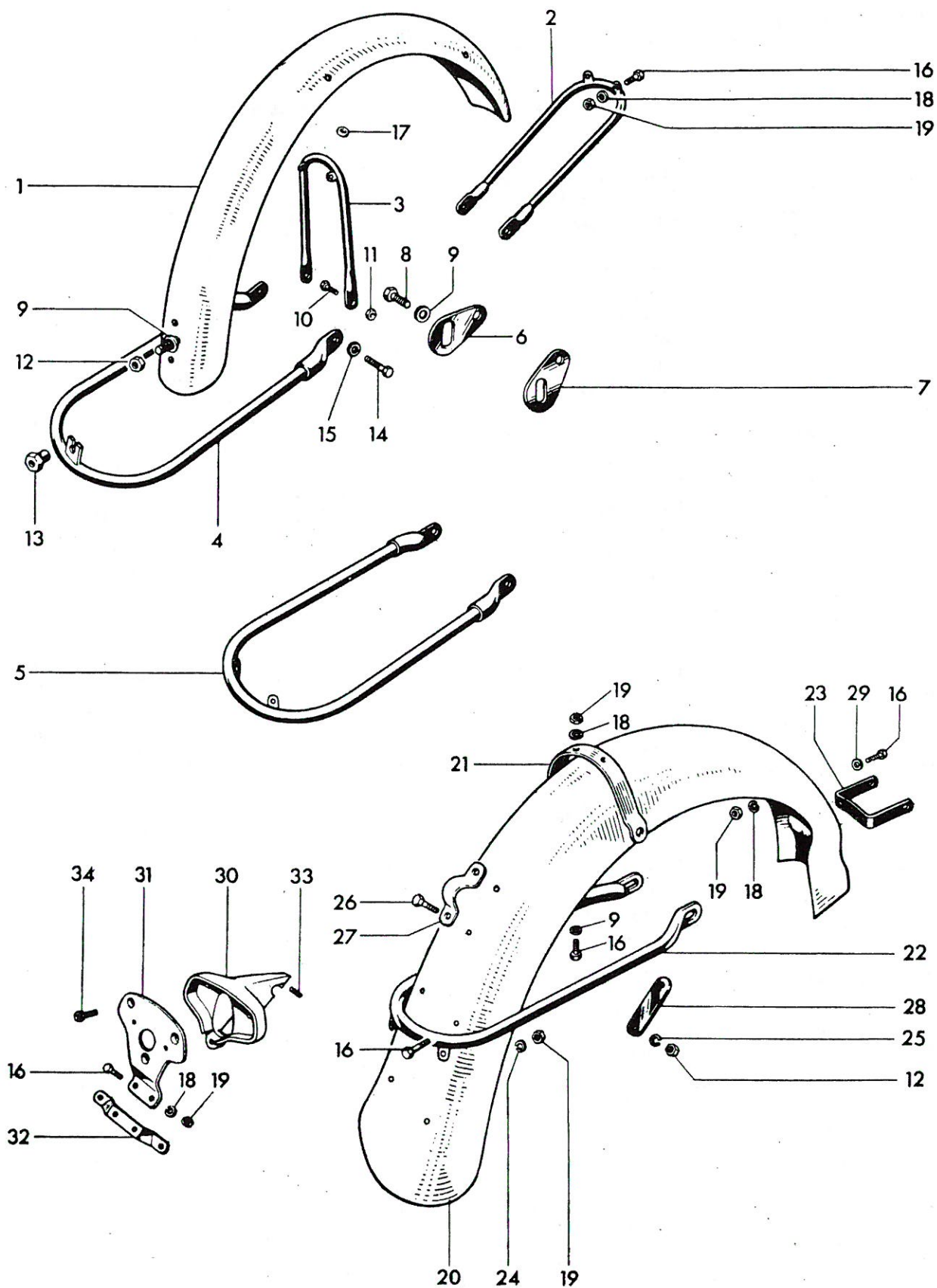


Fig. 23. FENDERS (U.S.A.)

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

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

|    |        |                                          |    |                      |
|----|--------|------------------------------------------|----|----------------------|
| 1  | H1677  | Front fender ... ..                      | 1  | T100R, Eastern T100C |
| 1  | H1687  | Front fender (aluminium) ... ..          | 1  | Western T100C        |
| 2  | H1681  | Front stay ... ..                        | 1  |                      |
| 3  | H1683  | Centre bridge ... ..                     | 1  |                      |
| 4  | H1678  | Bottom stay ... ..                       | 1  | T100R, Eastern T100C |
| 5  | H1273  | Bottom stay ... ..                       | 1  | Western T100C        |
| 6  | H1685  | Bracket ... ..                           | 2  |                      |
| 7  | H1688  | Bracket ... ..                           | 2  | Western T100C        |
| 8  | F929   | Bolt ( $\frac{1}{2}$ in. U.H.) ... ..    | 5  |                      |
| 9  | F4299  | Plain washer ... ..                      | 5  |                      |
| 10 | DS55   | Bolt ( $\frac{5}{16}$ in. U.H.) ... ..   | 2  |                      |
| 11 | T224   | Nut ... ..                               | 2  |                      |
| 12 | S1-51  | Nut ... ..                               | 4  |                      |
| 13 | NS362  | Spigot nut ... ..                        | 1  |                      |
| 14 | H424   | Bolt ... ..                              | 2  |                      |
| 15 | S25-71 | Plain washer ... ..                      | 2  |                      |
| 16 | DS57   | Bolt ( $\frac{7}{8}$ in. U.H.) ... ..    | 10 |                      |
| 17 | WE170  | Fibre washer ... ..                      | 4  |                      |
| 18 | S25-1  | Plain washer ... ..                      | 13 |                      |
| 19 | F879   | Nut ... ..                               | 13 |                      |
| 20 | F6965  | Rear fender ... ..                       | 1  | T100R, Eastern T100C |
| 20 | F6966  | Rear fender (aluminium) ... ..           | 1  | Western T100C        |
| 21 | F6915  | Fender bridge ... ..                     | 1  |                      |
| 22 | F5424  | Lifting handle ... ..                    | 1  |                      |
| 23 | F6916  | Bracket ... ..                           | 1  |                      |
| 24 | S26-2  | Spring washer ... ..                     | 2  |                      |
| 25 | S26-3  | Spring washer ... ..                     | 5  |                      |
| 26 | H590   | Bolt ( $\frac{9}{16}$ in. U.H.) ... ..   | 2  |                      |
| 27 | F5994  | Clip ... ..                              | 1  |                      |
| 28 | F6031  | Backing plate ... ..                     | 1  |                      |
| 29 | F6310  | Plain washer ... ..                      | 1  |                      |
| 30 | F6847  | Tail lamp adapter ... ..                 | 1  |                      |
| 31 | F6849  | Tail lamp plate ... ..                   | 1  |                      |
| 32 | F6850  | Number plate bracket ... ..              | 1  |                      |
| 33 | E2980  | Stud ( $\frac{15}{16}$ in. O.A.) ... ..  | 1  |                      |
| 34 | F4715  | Screw ( $\frac{13}{32}$ in. U.H.) ... .. | 3  |                      |

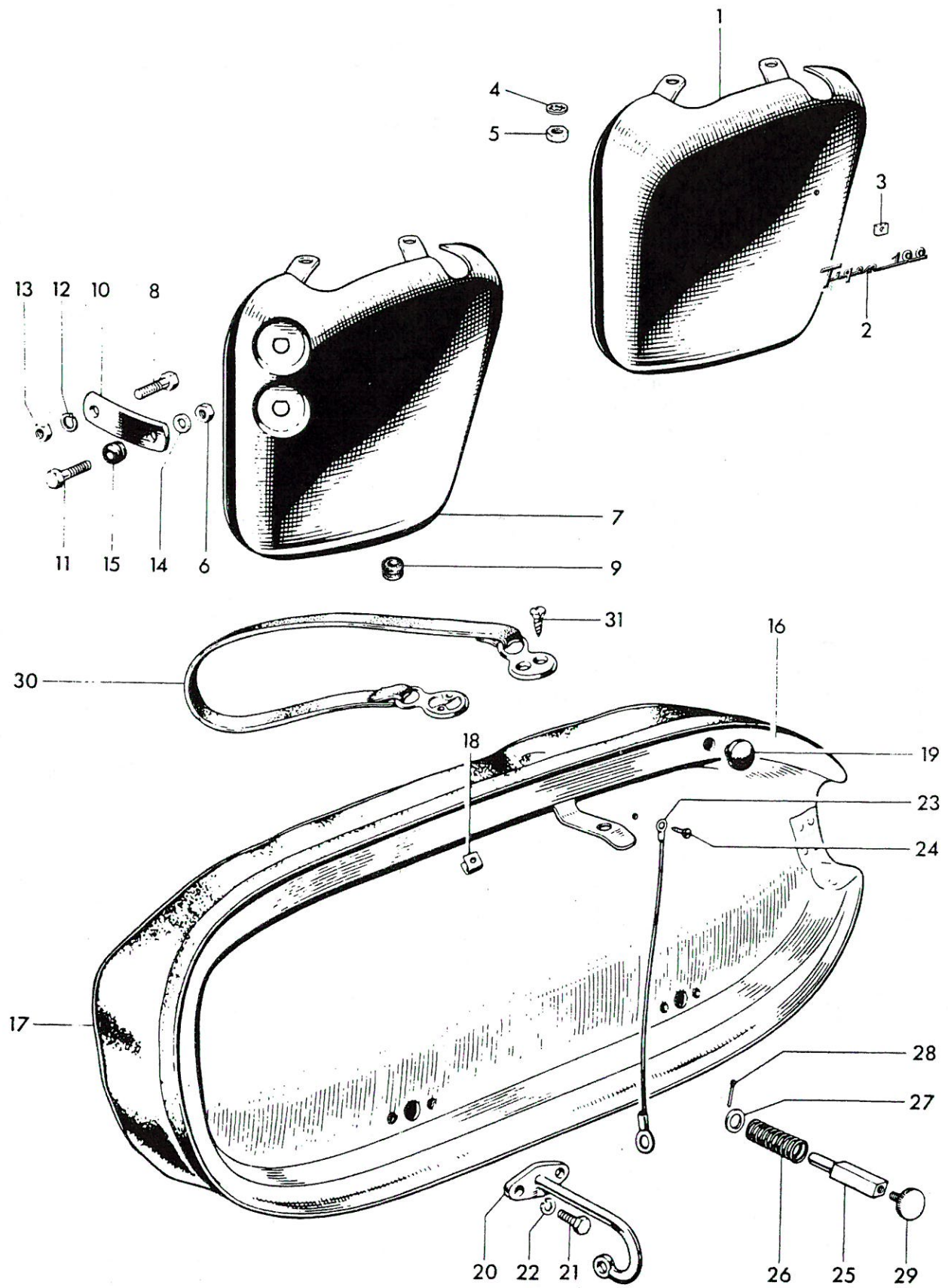


Fig. 24. PANELS AND TWINSEAT

| Ref. No.                   | Part No.                               | DESCRIPTION                                 | QUANTITY | REMARKS              |
|----------------------------|----------------------------------------|---------------------------------------------|----------|----------------------|
| <b>PANELS AND TWINSEAT</b> |                                        |                                             |          |                      |
| 1                          | F6964                                  | Left panel ... ..                           | 1        | 3TA, 5TA             |
| 2                          | F6947                                  | Motif "Twenty-One" ... ..                   | 2        |                      |
| 2                          | F6948                                  | Motif "Tiger 90" ... ..                     | 2        |                      |
| 2                          | F6949                                  | Motif "Tiger 100" ... ..                    | 2        |                      |
| 2                          | F6950                                  | Motif "Speed Twin" ... ..                   | 2        |                      |
| 3                          | F4317                                  | Spire nut ... ..                            | 4        |                      |
| 4                          | E1612                                  | Serrated washer ... ..                      | 2        |                      |
| 5                          | 13104/00/2                             | Nut ... ..                                  | 2        |                      |
| 6                          | 15104/00/2                             | Self-locking nut ... ..                     | 1        |                      |
| 7                          | F6931                                  | Switch panel ... ..                         | 1        | T90, T100            |
| 8                          | F1369                                  | Bolt ( $\frac{5}{8}$ in. U.H.) ... ..       | 1        |                      |
| 9                          | F5466                                  | Grommet ... ..                              | 2        |                      |
| 10                         | F5976                                  | Link ... ..                                 | 1        |                      |
| 11                         | 11104/06/2                             | Bolt ( $\frac{3}{4}$ in. U.H.) ... ..       | 1        |                      |
| 12                         | S26-2                                  | Spring washer ... ..                        | 1        |                      |
| 13                         | F879                                   | Nut ... ..                                  | 1        |                      |
| 14                         | S25-43                                 | Washer ... ..                               | 1        |                      |
| 15                         | H961                                   | Grommet ... ..                              | 3        |                      |
| 16                         | F4239                                  | TWINSEAT (GREY TOP) ... ..                  | 1        |                      |
| 16                         | F4360A                                 | TWINSEAT (BLACK TOP) ... ..                 | 1        | Eastern T100C        |
| 17                         | F4244                                  | Twin seat cover c/w clips (GREY TOP) ... .. | 1        |                      |
| 17                         | F4244A                                 | Twinseat cover c/w clips (BLACK TOP) ... .. | 1        | Eastern T100C        |
| 18                         | F4475                                  | Clip ... ..                                 |          | As required          |
| 19                         | F4898                                  | Rubber buffer ... ..                        | 2        |                      |
| 20                         | F4222                                  | Hinge ... ..                                | 2        |                      |
| 21                         | DS57                                   | Bolt ( $\frac{7}{8}$ in. U.H.) ... ..       | 4        |                      |
| 22                         | S26-2                                  | Spring washer ... ..                        | 4        |                      |
| 23                         | D374                                   | Check wire ... ..                           | 1        |                      |
| 24                         | F4483                                  | Self tapping screw ... ..                   | 1        |                      |
| 25                         | F4226                                  | Seat catch plunger ... ..                   | 1        |                      |
| 26                         | F4228                                  | Spring ... ..                               | 1        |                      |
| 27                         | E1719A                                 | Plain washer ... ..                         | 1        |                      |
| 28                         | $\frac{3}{32}$ in. x $\frac{1}{2}$ in. | Split pin ... ..                            | 1        |                      |
| 29                         | F6659                                  | Knob ... ..                                 | 1        |                      |
| 30                         | F4361                                  | Safety strap ... ..                         | 1        | Western T100C, T100R |
| 31                         | F4365                                  | Self tapping screw ... ..                   | 4        |                      |



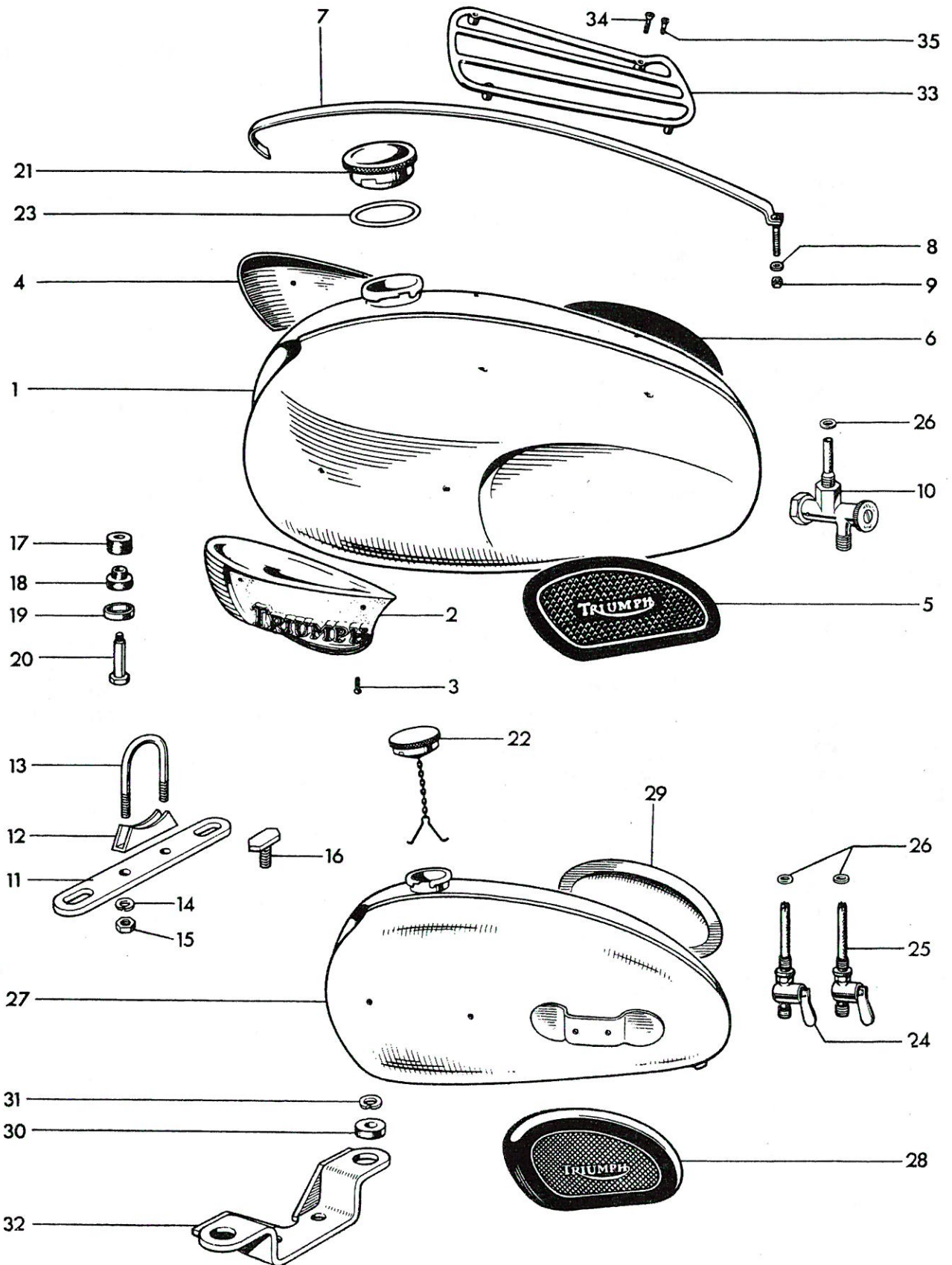


Fig. 25. PETROL TANK

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

### PETROL (GAS) TANKS

|    |       |                                     |   |                       |
|----|-------|-------------------------------------|---|-----------------------|
| 1  | F7001 | Petrol tank (3 gallons)             | 1 | 3TA, 5TA<br>T90, T100 |
| 2  | F6887 | Styling unit (left)                 | 1 |                       |
| 3  | F4129 | Styling unit screw (0.435 in. U.H.) | 4 |                       |
| 4  | F6888 | Styling unit (right)                | 1 |                       |
| 5  | F5401 | Left knee grip                      | 1 |                       |
| 6  | F5402 | Right knee grip                     | 1 |                       |
| 7  | F6313 | Centre styling strip                | 1 |                       |
| 8  | F4019 | Serrated washer                     | 1 |                       |
| 9  | H919  | Nut                                 | 1 |                       |
| 10 | F1717 | Petrol tap                          | 1 |                       |
| 11 | F6143 | Tank bracket                        | 2 | 3TA, 5TA, T90, T100   |
| 12 | F6144 | Saddle                              | 1 |                       |
| 13 | F6145 | 'U' bolt                            | 1 |                       |
| 14 | S26-3 | Spring washer                       | 4 |                       |
| 15 | S1-51 | Nut                                 | 4 |                       |
| 16 | F6535 | 'T' head bolt                       | 2 |                       |
| 17 | F5228 | Rubber washer                       | 4 |                       |
| 18 | F5229 | Spigot rubber                       | 4 |                       |
| 19 | F3814 | Cup                                 | 4 |                       |
| 20 | F1808 | Bolt                                | 4 |                       |
| 21 | F3220 | FILLER CAP                          | 1 | T100C, T100R          |
| 22 | F3219 | FILLER CAP c/w JACK CHAIN           | 1 |                       |
| 23 | F4048 | Joint washer                        | 1 |                       |
| 24 | F4971 | Petrol tap (left)                   | 1 |                       |
| 25 | F4972 | Petrol tap with reserve tube        | 1 |                       |
| 26 | F1511 | Fibre washer                        | 2 |                       |
| 27 | F7002 | Petrol tank (2½ U.S. gallons)       | 1 |                       |
| 28 | F1606 | Left knee grip                      | 1 |                       |
| 29 | F1605 | Right knee grip                     | 1 |                       |
| 30 | F4108 | Rubber washer                       | 4 |                       |
| 31 | S26-2 | Spring washer                       | 4 | A                     |
| 32 | F6958 | Tank bracket                        | 2 |                       |
| 33 | F3917 | Parcel grid                         | 1 |                       |
| 34 | F2936 | Screw                               | 1 |                       |
| 35 | F4384 | Rubber blanking plug                | 1 |                       |

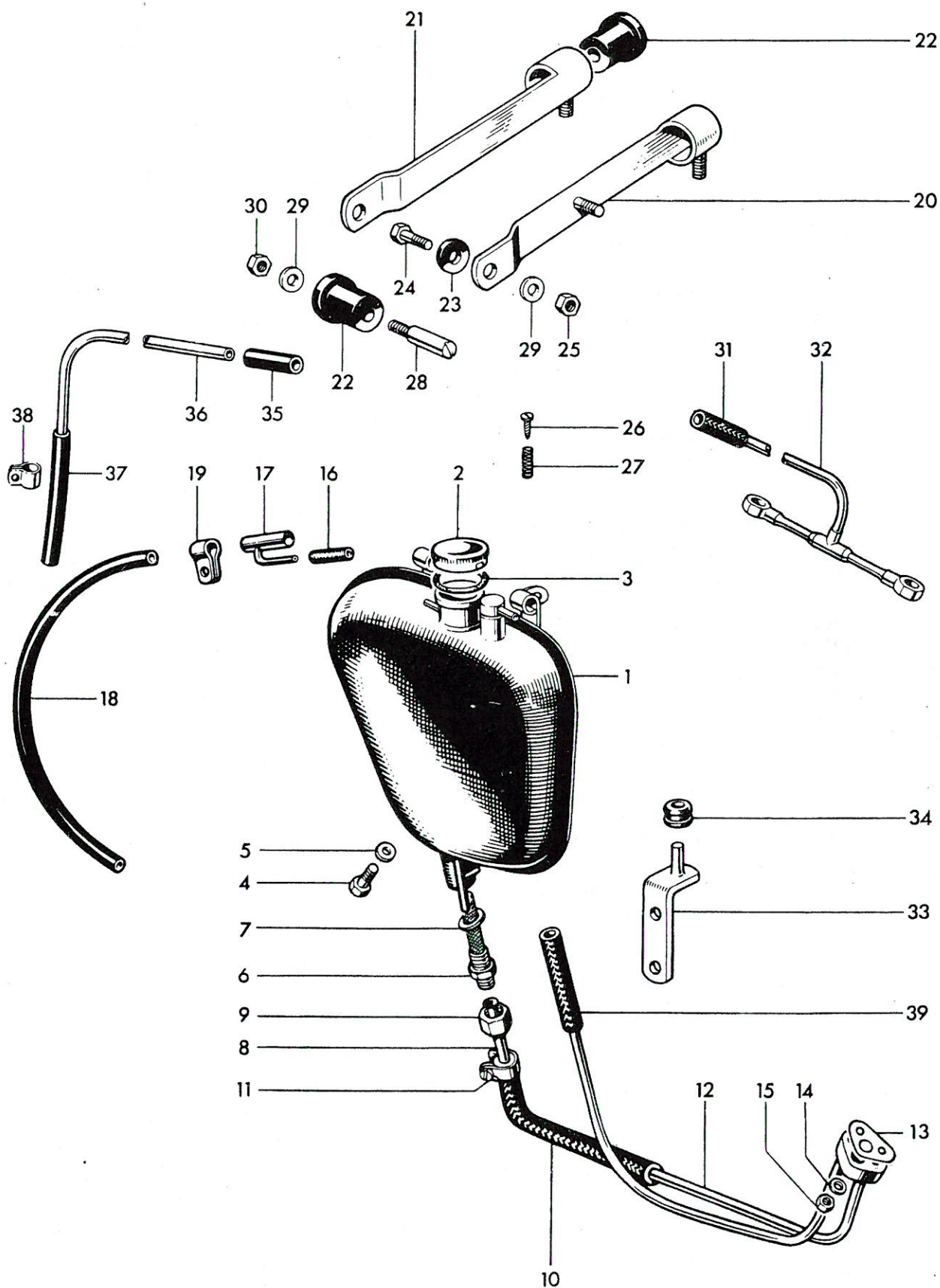


Fig. 26. OIL TANK

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

### OIL TANK

|    |            |                                       |   |  |
|----|------------|---------------------------------------|---|--|
| 1  | F6877      | Oil tank ... ..                       | 1 |  |
| 2  | F3216A     | FILLER CAP ... ..                     | 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 | E3353      | Flexible connector, long ... ..       | 2 |  |
| 11 | E5473      | Clip ... ..                           | 4 |  |
| 12 | E5434      | Oil pipes and junction block ... ..   | 1 |  |
| 13 | E3763      | Joint washer ... ..                   | 1 |  |
| 14 | E3446      | Plain washer ... ..                   | 1 |  |
| 15 | E1310      | Nut ... ..                            | 1 |  |
| 16 | E6356      | Vent pipe ... ..                      | 1 |  |
| 17 | E5370      | "T" piece ... ..                      | 1 |  |
| 18 | E5376      | Extension pipe ... ..                 | 1 |  |
| 18 | E5376      | Extension pipe ... ..                 | 1 |  |
| 19 | F3098      | Clip ... ..                           | 2 |  |
| 20 | F6892      | Front strap ... ..                    | 1 |  |
| 21 | *F6894     | Rear strap ... ..                     | 1 |  |
| 22 | F6673      | Spigot rubber ... ..                  | 4 |  |
| 23 | F6968      | Rubber washer ... ..                  | 2 |  |
| 24 | 11104/06/2 | Bolt ( $\frac{3}{4}$ in. U.H.) ... .. | 2 |  |
| 25 | 15104/00/2 | Self locking nut ... ..               | 2 |  |
| 26 | F6511      | Metering screw ... ..                 | 1 |  |
| 27 | F6874      | Coil spring ... ..                    | 1 |  |
| 28 | F6672      | Screwed peg ... ..                    | 2 |  |
| 29 | S25-13     | Plain washer ... ..                   | 4 |  |
| 30 | F879       | Nut ... ..                            | 2 |  |
| 31 | E6353      | Rubber connector ... ..               | 1 |  |
| 32 | E6351      | Rocker oil feed pipe ... ..           | 1 |  |
| 33 | F6898      | Bracket ... ..                        | 1 |  |
| 34 | F6039      | Grommet ... ..                        | 1 |  |
| 35 | E6355      | Flexible pipe ... ..                  | 1 |  |
| 36 | E6354      | Chain oiler pipe ... ..               | 1 |  |
| 37 | E6357      | Flexible pipe ... ..                  | 1 |  |
| 38 | F6970      | Clip ... ..                           | 1 |  |
| 39 | MF119      | Flexible connector, short ... ..      | 1 |  |

\* See page 73



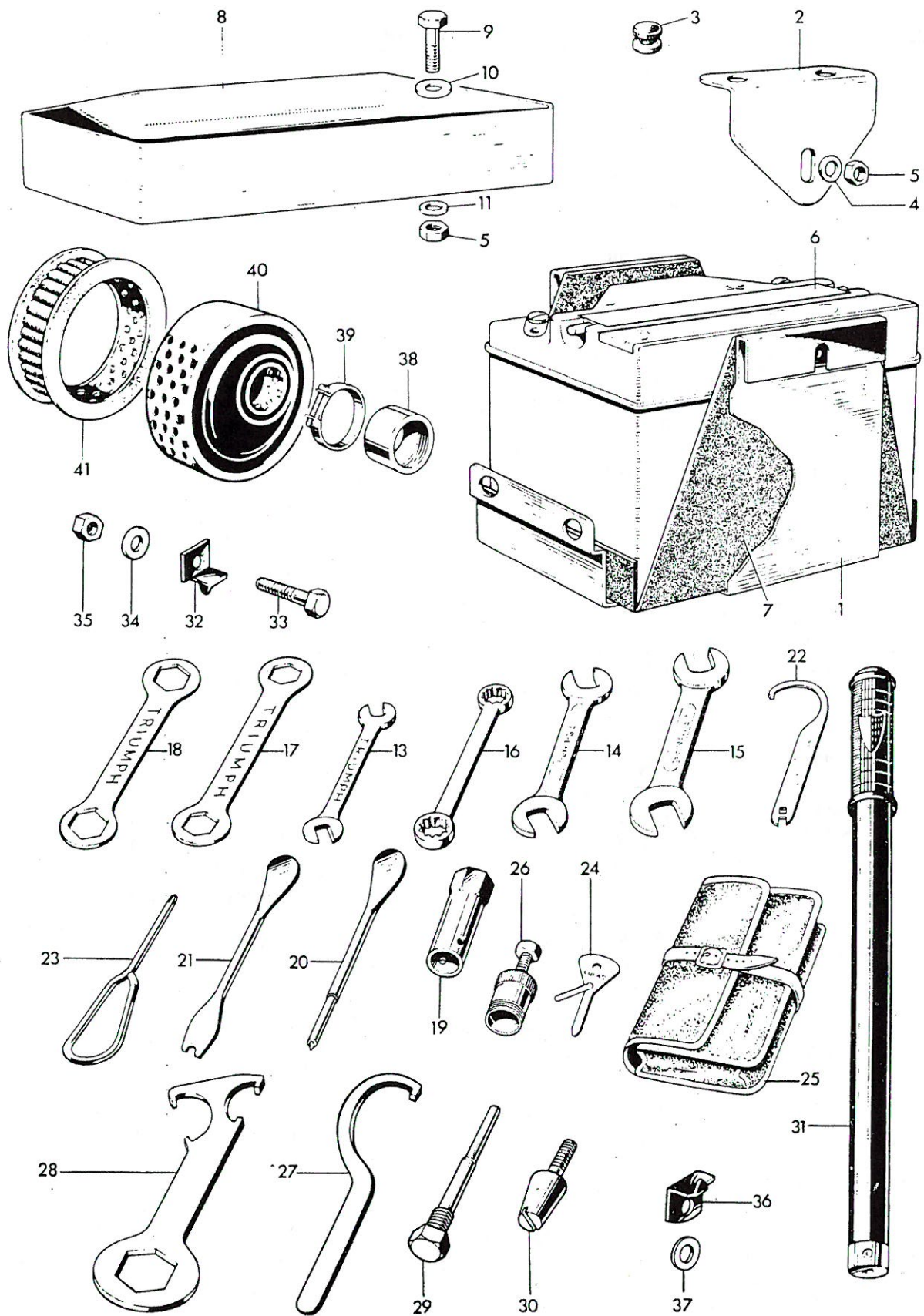


Fig. 27. BATTERY, TOOLKIT AND AIR FILTER

## BATTERY, TOOLKIT AND AIR FILTER

|    |        |                                                             |     |     |     |     |     |     |             |               |
|----|--------|-------------------------------------------------------------|-----|-----|-----|-----|-----|-----|-------------|---------------|
| 1  | *F6891 | Battery carrier                                             | ... | ... | ... | ... | ... | ... | 1           |               |
| 2  | *F6897 | Retainer                                                    | ... | ... | ... | ... | ... | ... | 2           |               |
| 3  | *E6226 | Rubber                                                      | ... | ... | ... | ... | ... | ... | 4           |               |
| 4  | S25-1  | Plain washer                                                | ... | ... | ... | ... | ... | ... | 3           |               |
| 5  | F879   | Nut                                                         | ... | ... | ... | ... | ... | ... | 4           |               |
| 6  | *PUZ5A | Battery                                                     | ... | ... | ... | ... | ... | ... | 1           |               |
| 7  | *F6969 | Battery carrier lining                                      | ... | ... | ... | ... | ... | ... | 1           |               |
| 8  | F6901  | Tool tray                                                   | ... | ... | ... | ... | ... | ... | 1           |               |
| 9  | F1369  | Bolt ( $\frac{5}{8}$ in. U.H.)                              | ... | ... | ... | ... | ... | ... | 2           |               |
| 10 | F7128  | Plain washer                                                | ... | ... | ... | ... | ... | ... | 2           |               |
| 11 | S25-13 | Plain washer                                                | ... | ... | ... | ... | ... | ... | 1           |               |
| 12 | D446   | TOOL KIT                                                    | ... | ... | ... | ... | ... | ... | 1           |               |
| 13 | D360   | Open spanner, $\frac{1}{8}$ in. x $\frac{5}{32}$ in. whit.  | ... | ... | ... | ... | ... | ... | 1           |               |
| 14 | NA55   | Open spanner, $\frac{1}{4}$ in. x $\frac{5}{16}$ in. whit.  | ... | ... | ... | ... | ... | ... | 1           |               |
| 15 | DA16   | Open spanner, $\frac{3}{8}$ in. x $\frac{7}{16}$ in. whit.  | ... | ... | ... | ... | ... | ... | 1           |               |
| 16 | D370   | Ring spanner, $\frac{1}{16}$ in. x $\frac{1}{4}$ in. whit.  | ... | ... | ... | ... | ... | ... | 1           |               |
| 17 | PA57   | Ring spanner, $\frac{1}{2}$ in. x $\frac{9}{16}$ in. whit.  | ... | ... | ... | ... | ... | ... | 1           |               |
| 18 | D311   | Ring spanner, $\frac{5}{8}$ in. x $\frac{11}{16}$ in. whit. | ... | ... | ... | ... | ... | ... | 1           |               |
| 19 | D87    | Box spanner, spark plug ...                                 | ... | ... | ... | ... | ... | ... | 1           |               |
| 20 | D363   | Tyre lever and tommy bar                                    | ... | ... | ... | ... | ... | ... | 1           |               |
| 21 | D364   | Tyre lever and clutch key                                   | ... | ... | ... | ... | ... | ... | 1           |               |
| 22 | D362   | "C" spanner and tappet key                                  | ... | ... | ... | ... | ... | ... | 1           |               |
| 23 | D336   | Phillips No. 3 screwdriver                                  | ... | ... | ... | ... | ... | ... | 1           |               |
| 24 | 400935 | Ignition screwdriver and feeler gauge                       | ... | ... | ... | ... | ... | ... | 1           |               |
| 25 | WA58   | Tool roll                                                   | ... | ... | ... | ... | ... | ... | 1           |               |
| 26 | DA50/1 | Clutch hub extractor                                        | ... | ... | ... | ... | ... | ... | as required |               |
| 27 | D527   | Fork spanner (for sleeve nut)                               | ... | ... | ... | ... | ... | ... | as required |               |
| 28 | D220   | Fork spanner (for cap nut)                                  | ... | ... | ... | ... | ... | ... | as required |               |
| 29 | D484   | Contact breaker extractor                                   | ... | ... | ... | ... | ... | ... | as required |               |
| 30 | D486   | Contact breaker assembly pilot                              | ... | ... | ... | ... | ... | ... | as required |               |
| 31 | D296   | Tyre inflator                                               | ... | ... | ... | ... | ... | ... | 1           |               |
| 32 | F5432  | Inflator top bracket                                        | ... | ... | ... | ... | ... | ... | 1           |               |
| 33 | F1369  | Bolt ( $\frac{5}{8}$ in. U.H.)                              | ... | ... | ... | ... | ... | ... | 1           |               |
| 34 | S25-43 | Plain washer                                                | ... | ... | ... | ... | ... | ... | 1           |               |
| 35 | S1-40  | Nut                                                         | ... | ... | ... | ... | ... | ... | 1           |               |
| 36 | F5433  | Inflator bottom bracket                                     | ... | ... | ... | ... | ... | ... | 1           |               |
| 37 | S25-3  | Plain washer                                                | ... | ... | ... | ... | ... | ... | 1           |               |
| 38 | E5194  | Adaptor                                                     | ... | ... | ... | ... | ... | ... | 1           | 3TA, 5TA      |
| 38 | F4812  | Adaptor                                                     | ... | ... | ... | ... | ... | ... | 4           | T90, T100     |
| 39 | F5625  | Clip                                                        | ... | ... | ... | ... | ... | ... | 1           |               |
| 40 | F6430  | AIR FILTER                                                  | ... | ... | ... | ... | ... | ... | 1           |               |
| 41 | F4811  | Filter element (felt)                                       | ... | ... | ... | ... | ... | ... | 1           |               |
| 40 | F6433  | AIR FILTER                                                  | ... | ... | ... | ... | ... | ... | 1           | U.S.A. models |
| 41 | F5694  | Filter element (paper)                                      | ... | ... | ... | ... | ... | ... | 1           | U.S.A. models |

\*Some early models have two 6 volt batteries. These are interchangeable as a group but the following part numbers apply to this condition (Not Illustrated)

|       |                            |                   |
|-------|----------------------------|-------------------|
| PUZ5A | Battery                    | use MKZ9E (2 off) |
| F6891 | Battery carrier            | use F7083         |
| F6894 | Rear strap                 | use F7086         |
| F6897 | Retainer                   | use F7085 (1 off) |
| E6226 | Rubber                     | use F7045 (3 off) |
| —     | Rubber (between batteries) | use F7046 (2 off) |
| F6969 | Battery carrier lining     | use F7087         |

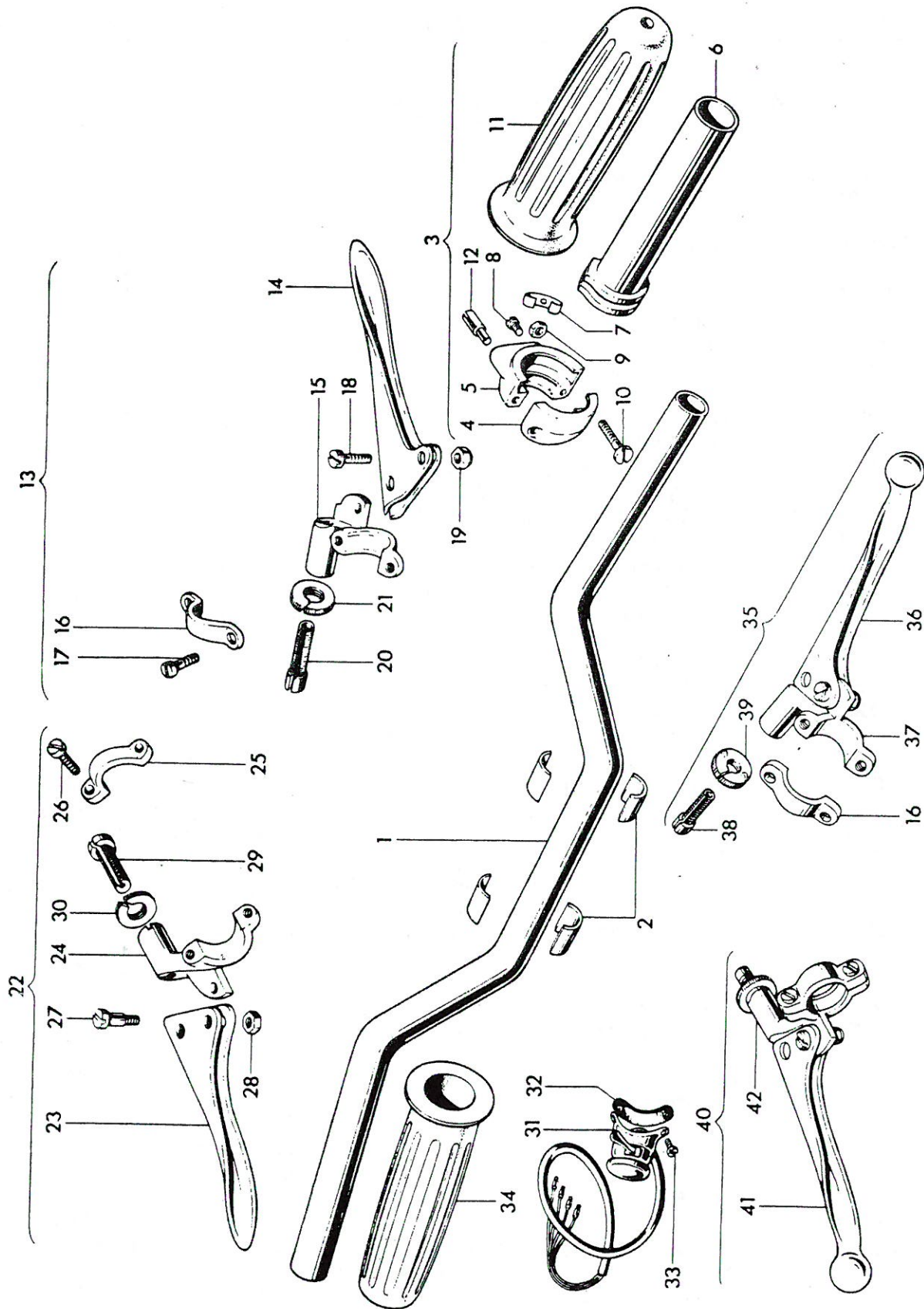


Fig. 28. HANDLEBARS AND CONTROL LEVERS

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

## HANDLEBARS AND CONTROL LEVERS

|    |         |                                              |   |                |
|----|---------|----------------------------------------------|---|----------------|
| 1  | H1871   | Handlebar ... ..                             | 1 | 3TA, 5TA       |
| 1  | H1872   | Handlebar ... ..                             | 1 | T90, T100      |
| 1  | H1519   | American handlebar ... ..                    | 1 | T100C          |
| 1  | H1873   | American handlebar ... ..                    | 1 | T100R          |
| 2  | H1425   | Packing piece ... ..                         | 4 |                |
| 3  | 16/362  | TWISTGRIP ... ..                             | 1 |                |
| 4  | 16/328  | Body top half ... ..                         | 1 |                |
| 5  | 16/329  | Body bottom half ... ..                      | 1 |                |
| 6  | 16/091  | Rotor ... ..                                 | 1 |                |
| 7  | 16/008  | Friction spring ... ..                       | 1 |                |
| 8  | 16/009  | Friction spring screw ... ..                 | 1 |                |
| 9  | 16/010  | Nut ... ..                                   | 1 |                |
| 10 | 11/014  | Screw ... ..                                 | 2 |                |
| 11 | 366/012 | Handlebar grip ... ..                        | 1 |                |
| 12 | 16/011  | Cable stop ... ..                            | 1 |                |
| 13 | 18/999  | FRONT BRAKE LEVER ASSEMBLY ... ..            | 1 |                |
| 14 | 18/535  | Brake lever ... ..                           | 1 |                |
| 15 | 18/1013 | Brake lever bracket ... ..                   | 1 |                |
| 16 | 12/595  | Clamp ... ..                                 | 1 |                |
| 17 | 11/014  | Screw ... ..                                 | 2 |                |
| 18 | 18/087  | Fulcrum screw ... ..                         | 1 |                |
| 19 | 18/053  | Self-locking nut ... ..                      | 1 |                |
| 20 | 18/1005 | Cable adjuster ... ..                        | 1 |                |
| 21 | 18/1006 | Thumb nut ... ..                             | 1 |                |
| 22 | 18/1000 | CLUTCH LEVER ASSEMBLY ... ..                 | 1 |                |
| 23 | 18/528  | Clutch lever ... ..                          | 1 |                |
| 24 | 18/1009 | Clutch lever bracket ... ..                  | 1 |                |
| 25 | 12/595  | Clamp ... ..                                 | 1 |                |
| 26 | 11/014  | Screw ... ..                                 | 2 |                |
| 27 | 18/087  | Fulcrum screw ... ..                         | 1 |                |
| 28 | 18/053  | Self-locking nut ... ..                      | 1 |                |
| 29 | 18/1005 | Cable adjuster ... ..                        | 1 |                |
| 30 | 18/1006 | Thumb nut ... ..                             | 1 |                |
| 31 | 31563   | Horn push and dip switch ... ..              | 1 |                |
| 32 | 380459  | Backing rubber ... ..                        | 1 |                |
| 33 | H1876   | Screw (½ in. U.H.) ... ..                    | 2 |                |
| 34 | 366/011 | Handlebar grip ... ..                        | 1 |                |
| 35 | 18/951  | FRONT BRAKE LEVER ASSEMBLY (Ball-end) ... .. | 1 | } T100C, T100R |
| 36 | 18/754  | Brake lever (Ball-end) ... ..                | 1 |                |
| 37 | 18/777  | Brake lever bracket ... ..                   | 1 |                |
| 38 | 18/838  | Cable adjuster ... ..                        | 1 |                |
| 39 | 18/839  | Thumb nut ... ..                             | 1 |                |
| 40 | 18/952  | CLUTCH LEVER ASSEMBLY (Ball-end) ... ..      | 1 | }              |
| 41 | 18/752  | Clutch lever (Ball-end) ... ..               | 1 |                |
| 42 | 18/773  | Clutch lever bracket ... ..                  | 1 |                |



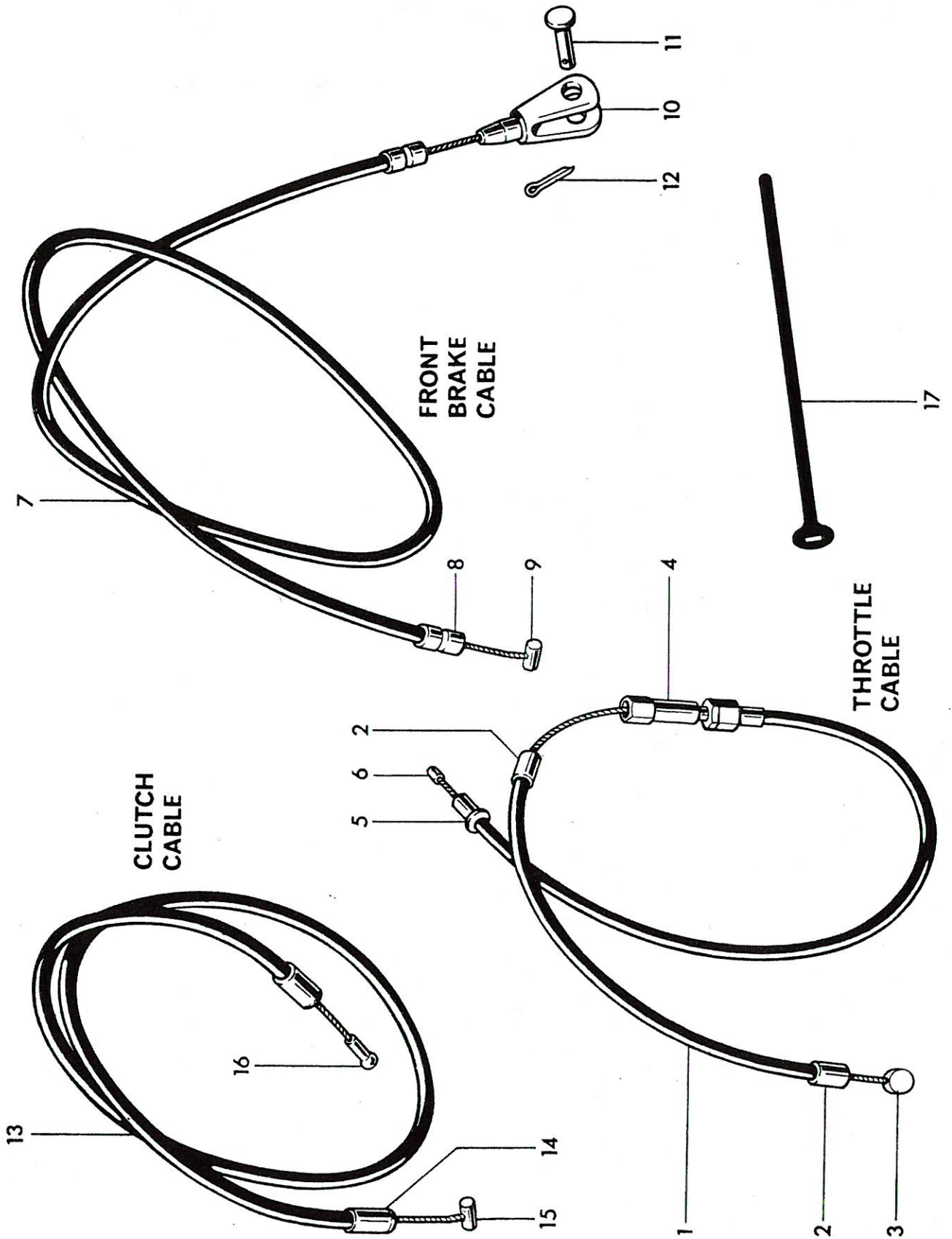


Fig. 29. CONTROL CABLES

| Ref. No.              | Part. No.                              | DESCRIPTION                  | QUANTITY    | REMARKS      |
|-----------------------|----------------------------------------|------------------------------|-------------|--------------|
| <b>CONTROL CABLES</b> |                                        |                              |             |              |
| 1                     | D495                                   | THROTTLE CABLE ... ..        | 1           |              |
| 2                     | D101                                   | Ferrule ... ..               | 3           |              |
| 3                     | D83                                    | Nipple ... ..                | 1           |              |
| 4                     | D104                                   | Adjuster ... ..              | 1           |              |
| 5                     | 6/132A                                 | Ferrule ... ..               | 1           |              |
| 6                     | NS191                                  | Nipple ... ..                | 1           |              |
| 7                     | D561                                   | FRONT BRAKE CABLE ... ..     | 1           | 3TA, 5TA     |
| 7                     | D560                                   | FRONT BRAKE CABLE ... ..     | 1           | T90, T100    |
| 8                     | D103                                   | Ferrule ... ..               | 2           |              |
| 9                     | D506                                   | Nipple ... ..                | 1           |              |
| 10                    | W593                                   | Fork end ... ..              | 1           |              |
| 11                    | WF32                                   | Pivot pin... ..              | 1           |              |
| 12                    | $\frac{1}{16}$ in. x $\frac{3}{8}$ in. | Split pin ... ..             | 1           |              |
| 13                    | D566                                   | CLUTCH CABLE ... ..          | 1           |              |
| 13                    | D565                                   | AMERICAN CLUTCH CABLE ... .. | 1           | T100R, T100C |
| 14                    | D103                                   | Ferrule ... ..               | 2           |              |
| 15                    | D506                                   | Nipple ... ..                | 1           |              |
| 16                    | DS73                                   | Nipple ... ..                | 1           |              |
| 17                    | XA69                                   | Cable clip ... ..            | As required |              |

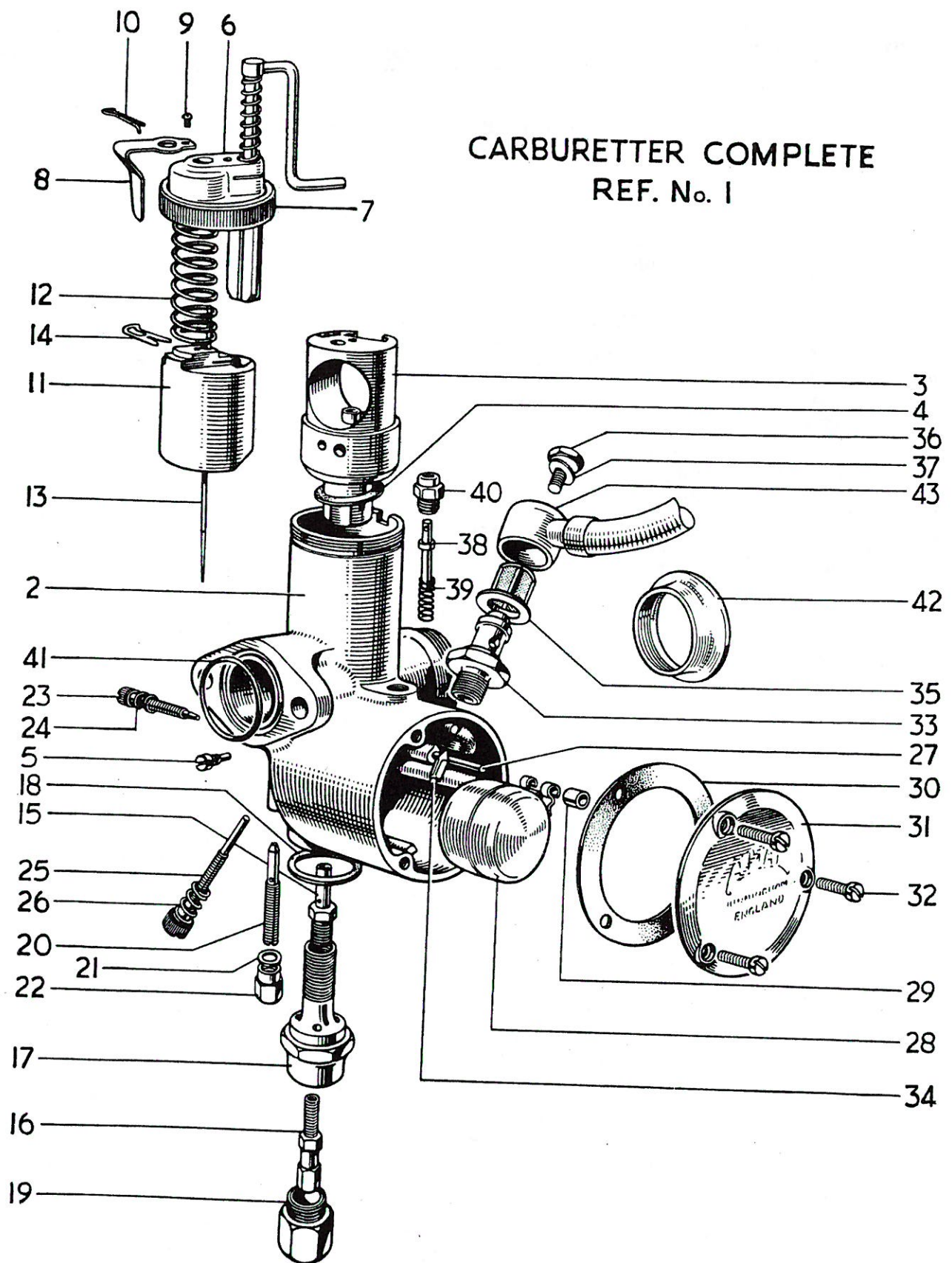


Fig. 30. CARBURETTER, 3TA AND 5TA

| Ref. No.                        | Part No. | DESCRIPTION                              | QUANTITY    | REMARKS |
|---------------------------------|----------|------------------------------------------|-------------|---------|
| <b>CARBURETTER, 3TA AND 5TA</b> |          |                                          |             |         |
| 1                               | 375/62   | CARBURETTER, 25/32 in. choke             | 1           | 3TA     |
| 1                               | 375/35   | CARBURETTER, $\frac{7}{8}$ in. choke     | 1           | 5TA     |
| 2                               | 375/003  | Mixing chamber, 25/32 in. choke          | 1           | 3TA     |
| 2                               | 375/005  | Mixing chamber, $\frac{7}{8}$ in. choke  | 1           | 5TA     |
| 3                               | 375/057  | Jet block, 25/32 in. choke               | 1           | 3TA     |
| 3                               | 375/059  | Jet block, $\frac{7}{8}$ in. choke       | 1           | 5TA     |
| 4                               | 375/067  | Joint washer                             | 1           |         |
| 5                               | 376/070  | Peg screw                                | 1           |         |
| 6                               | 375/102  | AIR VALVE ASSEMBLY                       | 1           |         |
| 7                               | 375/065  | Mixing chamber cap                       | 1           |         |
| 8                               | 375/071  | Spring                                   | 1           |         |
| 9                               | 4/241    | Screw                                    | 1           |         |
| 10                              | 30/064   | Spring                                   | 1           |         |
| 11                              | 375/060  | Throttle valve ( $3\frac{1}{2}$ cutaway) | 1           | 3TA     |
| 11                              | 375/060  | Throttle valve (3 cutaway)               | 1           | 5TA     |
| 12                              | 375/079  | Throttle return spring                   | 1           |         |
| 13                              | 375/063  | Needle (Type B)                          | 1           |         |
| 14                              | 4/230    | Needle clip                              | 1           |         |
| 15                              | 376/072  | Needle jet (.106)                        | 1           |         |
| 16                              | 376/100  | Main jet (100)                           | 1           | 3TA     |
| 16                              | 376/100  | Main jet (160)                           | 1           | 5TA     |
| 17                              | 376/073  | Jet holder                               | 1           |         |
| 18                              | 376/074  | Fibre washer                             | 1           |         |
| 19                              | 376/075  | Cover nut                                | 1           |         |
| 20                              | 376/076  | Pilot jet (25)                           | 1           |         |
| 21                              | 116/162  | Fibre washer                             | 1           |         |
| 22                              | 376/095  | Cover nut                                | 1           |         |
| 23                              | 332/017  | Air adjusting screw                      | 1           |         |
| 24                              | 4/148    | Spring                                   | 1           |         |
| 25                              | 376/068  | Throttle stop screw                      | 1           |         |
| 26                              | 376/069  | Spring                                   | 1           |         |
| 27                              | 376/085  | Float spindle                            | 1           |         |
| 28                              | 376/083  | Float                                    | 1           |         |
| 29                              | 376/094  | Bush                                     | 1           |         |
| 30                              | 376/078  | Joint washer                             | 1           |         |
| 31                              | 376/077  | Cover                                    | 1           |         |
| 32                              | 376/079  | Screw                                    | 3           |         |
| 33                              | 376/088  | Needle seating                           | 1           |         |
| 34                              | 376/089  | Needle                                   | 1           |         |
| 35                              | 376/093  | Filter                                   | 1           |         |
| 36                              | 376/091  | Bolt                                     | 1           |         |
| 37                              | 376/092  | Fibre washer                             | 1           |         |
| 38                              | 376/086  | Tickler                                  | 1           |         |
| 39                              | 376/087  | Spring                                   | 1           |         |
| 40                              | 343/011  | Tickler body                             | 1           |         |
| 41                              | 244/765  | "O" ring seal...                         | 1           |         |
| 42                              | 229/048  | Air intake tube                          | As required |         |
| 43                              | F4308    | Petrol pipe                              | 1           |         |



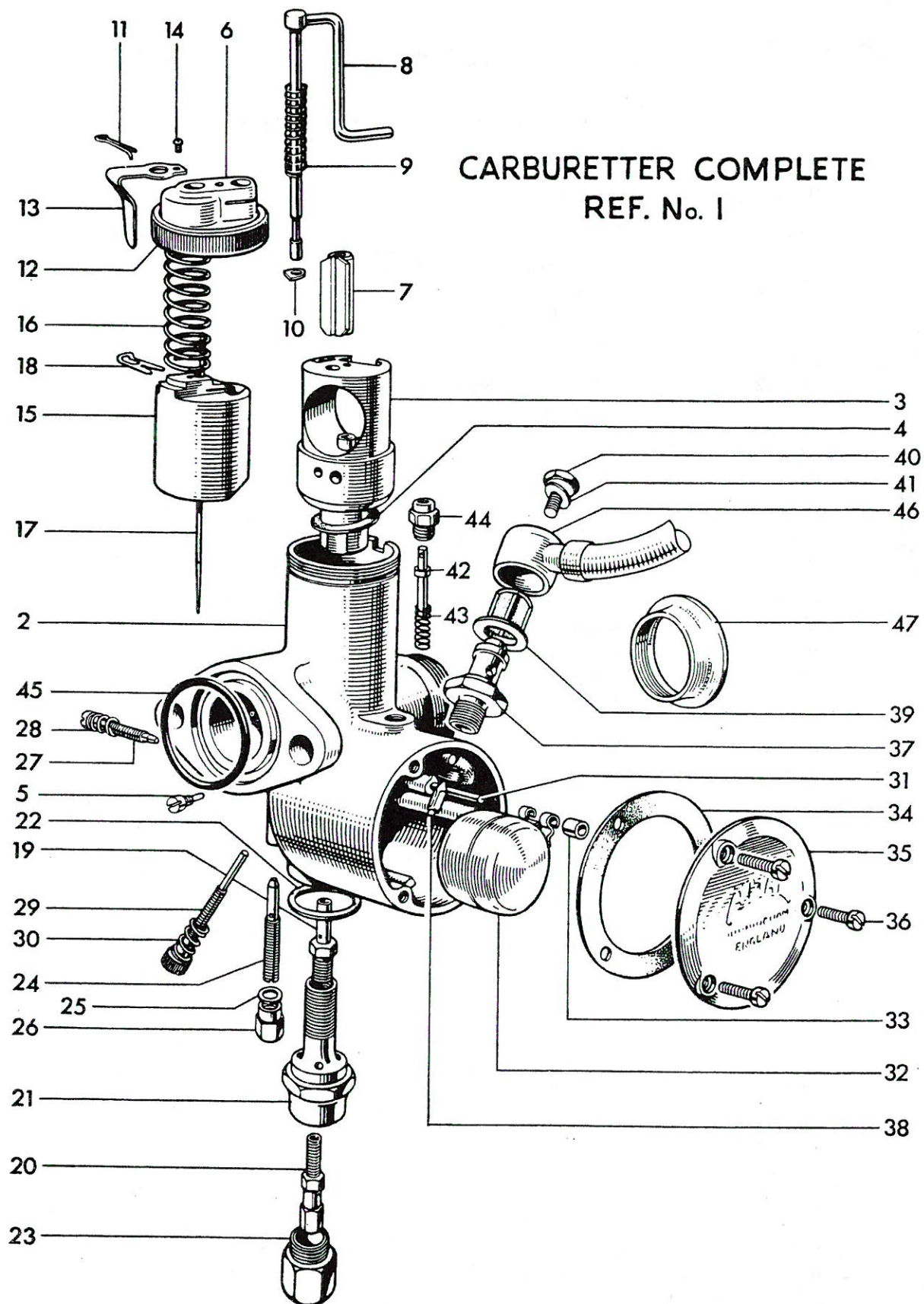


Fig. 31. CARBURETTER, T90 AND T100

### CARBURETTER, T90 AND T100

|    |          |                                              |   |                   |
|----|----------|----------------------------------------------|---|-------------------|
| 1  | 376/300  | CARBURETTER, $\frac{1}{8}$ in. choke ...     | 1 | T90               |
| 1  | 376/273  | CARBURETTER, 1 in. choke ...                 | 1 | T100              |
| 2  | 376/001  | Mixing chamber, $\frac{1}{8}$ in. choke ...  | 1 | T90               |
| 2  | 376/002  | Mixing chamber, 1 in. choke ...              | 1 | T100              |
| 3  | 376/055  | Jet block, $\frac{1}{8}$ in. choke ...       | 1 | T90               |
| 3  | 376/056  | Jet block, 1 in. choke ...                   | 1 | T100              |
| 4  | 376/067  | Joint washer ...                             | 1 |                   |
| 5  | 376/070  | Peg screw ...                                | 1 |                   |
| 6  | 376/158  | Mixing chamber top ...                       | 1 |                   |
| 7  | 376/197  | Air valve ...                                | 1 |                   |
| 8  | 376/402  | Control rod and lever ...                    | 1 |                   |
| 9  | 376/109  | Return spring ...                            | 1 |                   |
| 10 | 376/409  | Friction washer ...                          | 1 |                   |
| 11 | 30/064   | Click spring ...                             | 1 |                   |
| 12 | 376/065  | Mixing chamber cap ...                       | 1 |                   |
| 13 | 29/308   | Spring ...                                   | 1 |                   |
| 14 | 4/241    | Screw ...                                    | 1 |                   |
| 15 | 376/060  | Throttle valve (3 cutaway) ...               | 1 | T90               |
| 15 | 376/060  | Throttle valve ( $3\frac{1}{2}$ cutaway) ... | 1 | T100              |
| 16 | 376/061  | Throttle return spring ...                   | 1 |                   |
| 17 | 376/063  | Needle (Type C) ...                          | 1 |                   |
| 18 | 4/230    | Needle clip ...                              | 1 |                   |
| 19 | 376/072  | Needle jet (.106) ...                        | 1 |                   |
| 20 | 376/100  | Main jet (180) ...                           | 1 | T90               |
| 20 | 376/100  | Main jet (190) ...                           | 1 | See Pages 9 to 12 |
| 21 | 376/073  | Jet holder ...                               | 1 |                   |
| 22 | 376/074  | Fibre washer ...                             | 1 |                   |
| 23 | 376/075  | Cover nut ...                                | 1 |                   |
| 24 | 376/076  | Pilot jet (20) ...                           | 1 | T90               |
| 24 | 376/076  | Pilot jet (25) ...                           | 1 | T100              |
| 25 | 116/162  | Fibre washer ...                             | 1 |                   |
| 26 | 376/095  | Cover nut ...                                | 1 |                   |
| 27 | 332/017  | Air adjusting screw ...                      | 1 |                   |
| 28 | 4/148    | Spring ...                                   | 1 |                   |
| 29 | 376/068  | Throttle stop screw ...                      | 1 |                   |
| 30 | 376/069  | Spring ...                                   | 1 |                   |
| 31 | 376/085  | Float spindle ...                            | 1 |                   |
| 32 | 376/083  | Float ...                                    | 1 |                   |
| 33 | 376/094  | Bush ...                                     | 1 |                   |
| 34 | 376/078  | Joint washer ...                             | 1 |                   |
| 35 | 376/077  | Cover ...                                    | 1 |                   |
| 36 | 376/079  | Screw ...                                    | 3 |                   |
| 37 | 376/088  | Needle seating ...                           | 1 |                   |
| 38 | 376/089  | Needle ...                                   | 1 |                   |
| 39 | 376/093  | Filter ...                                   | 1 |                   |
| 40 | 376/091  | Bolt ...                                     | 1 |                   |
| 41 | 376/092  | Fibre washer ...                             | 1 |                   |
| 42 | 376/086  | Tickler ...                                  | 1 |                   |
| 43 | 376/087  | Spring ...                                   | 1 |                   |
| 44 | 343/011  | Tickler body ...                             | 1 |                   |
| 45 | 244/1048 | "O" ring seal... ...                         | 1 |                   |
| 46 | F4308    | Petrol pipe ...                              | 1 |                   |
| 47 | 376/066  | Air intake tube ...                          | A |                   |

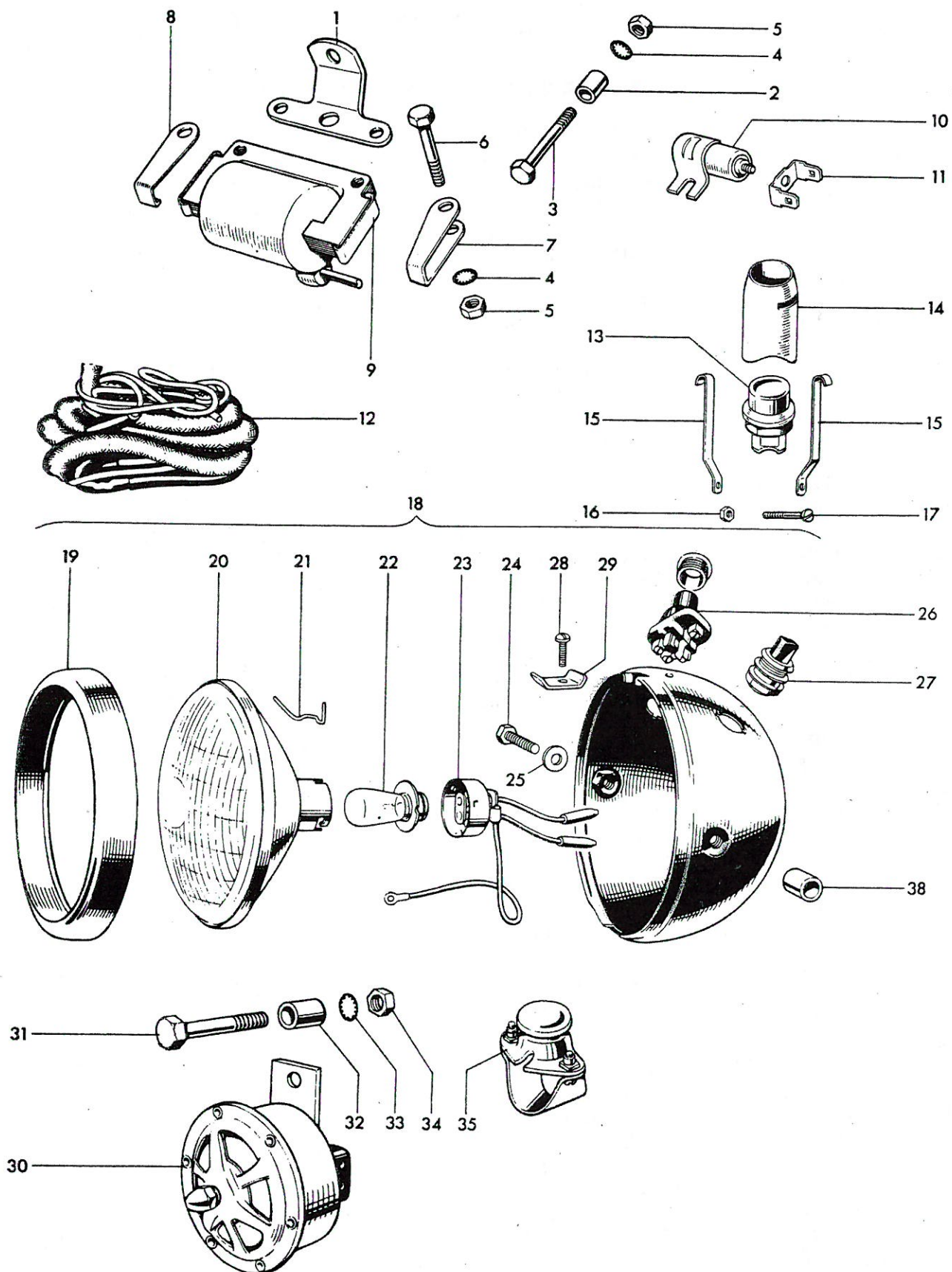


Fig. 32. A.C. MAGNETO IGNITION COILS, WIRING HARNESS AND DIRECT LIGHTING

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

# **A.C. MAGNETO IGNITION COILS, WIRING HARNESS AND DIRECT LIGHTING**

|    |            |                                               |   |                 |
|----|------------|-----------------------------------------------|---|-----------------|
| 1  | F6112      | Coil bracket ... ..                           | 4 |                 |
| 2  | F4366      | Distance piece ... ..                         | 2 |                 |
| 3  | F6122      | Bolt (1 $\frac{3}{8}$ in. U.H.) ... ..        | 2 |                 |
| 4  | E1612      | Serrated washer ... ..                        | 6 |                 |
| 5  | F879       | Nut ... ..                                    | 6 |                 |
| 6  | W932       | Bolt (1 in. U.H.) ... ..                      | 4 |                 |
| 7  | F6125      | Retainer ... ..                               | 2 |                 |
| 8  | F6136      | Retainer ... ..                               | 2 |                 |
| 9  | 45149      | Ignition coil, type 3ET ... ..                | 2 |                 |
| 10 | 54441582   | Condenser ... ..                              | 2 |                 |
| 11 | 54190108   | Lucar terminal ... ..                         | 2 |                 |
| 12 | 54937097   | Wiring harness ... ..                         | 1 |                 |
| 13 | 31071      | Cut-out button, type SS5 ... ..               | 1 | "Kill button"   |
| 14 | H1669      | Cup ... ..                                    | 1 |                 |
| 15 | H1670      | Clip ... ..                                   | 2 |                 |
| 16 | H687       | Bolt ( $\frac{3}{8}$ in. U.H.) ... ..         | 1 |                 |
| 17 | H745       | Nut ... ..                                    | 1 |                 |
| 18 | 58395      | HEADLAMP ASSEMBLY, MCH 66 ... ..              | 1 |                 |
| 19 | 534343     | Rim ... ..                                    | 1 |                 |
| 20 | 54520452   | Light unit ... ..                             | 1 |                 |
| 21 | 504665     | Fixing wire... ..                             | 6 |                 |
| 22 | 166        | Bulb (24/24W. Pre-focus, Vertical Dip) ... .. | 1 |                 |
| 23 | 554602     | Adaptor ... ..                                | 2 |                 |
| 24 | 112201     | Bolt ... ..                                   | 2 |                 |
| 25 | 137499     | Washer ... ..                                 | 2 |                 |
| 26 | 31356      | Lighting switch ... ..                        | 1 |                 |
| 27 | 31620      | Dip switch ... ..                             | 1 |                 |
| 28 | 144921     | Screw ... ..                                  | 1 |                 |
| 29 | 534296     | Plate ... ..                                  | 1 |                 |
| 30 | D552       | Horn, clear hooters AC5855G ... ..            | 1 |                 |
| 31 | 11104/06/2 | Bolt ... ..                                   | 1 |                 |
| 32 | F4366      | Distance piece ... ..                         | 1 |                 |
| 33 | E1612      | Serrated washer ... ..                        | 1 |                 |
| 34 | 15104/00/2 | Nut ... ..                                    | 1 |                 |
| 35 | D553       | Horn push, clear hooters No. 10 ... ..        | 1 |                 |
| 36 | 53972      | STOP AND TAIL LAMP, Type 679 ... ..           | 1 | Except for bulb |
| 37 | 384        | Bulb (6/18 W. Offset pin) ... ..              | 1 | See Page 87     |
| 38 | F3069      | Distance piece ... ..                         | 2 |                 |

36 and 37 not illustrated.



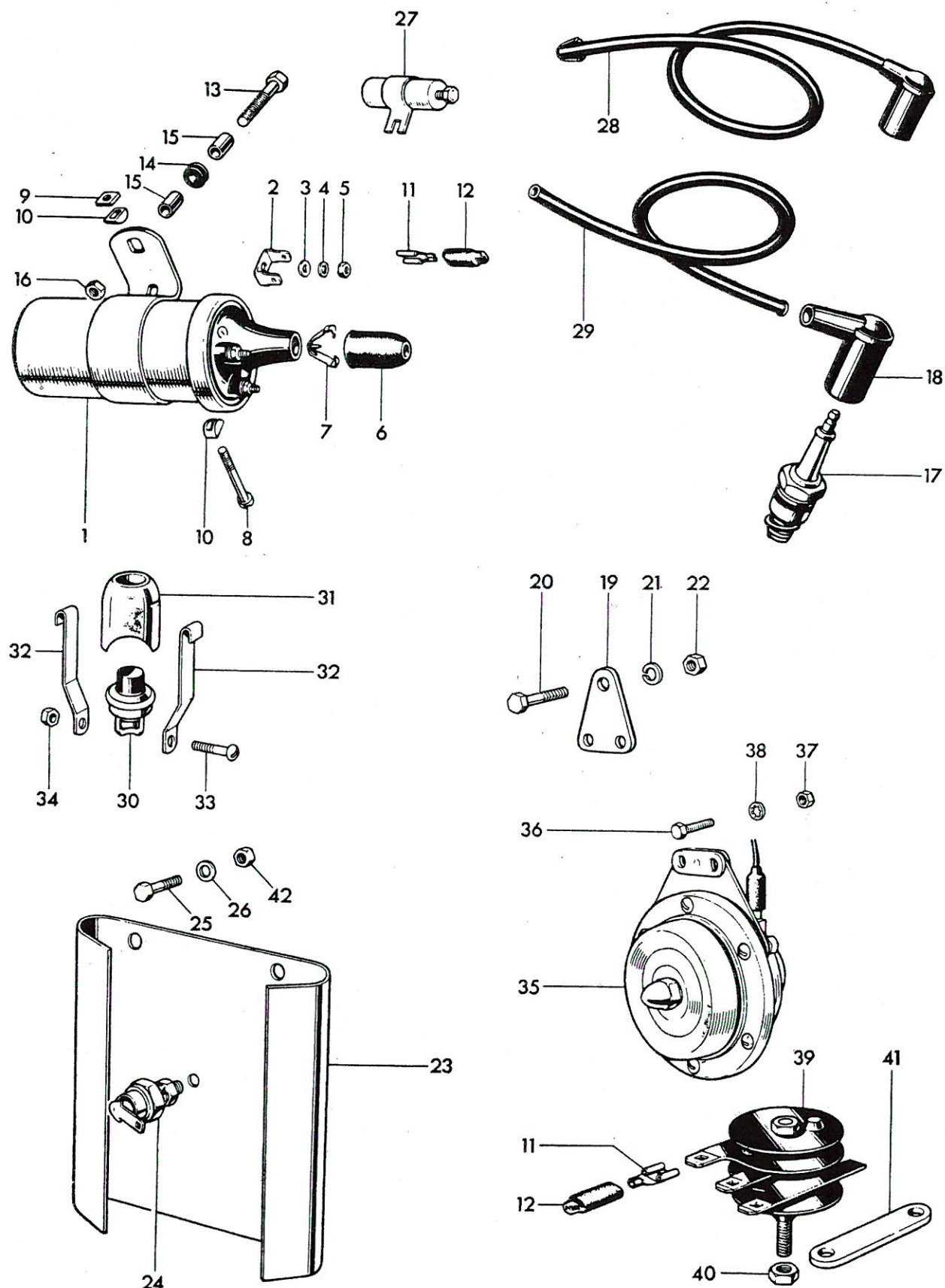


Fig. 33. D.C. IGNITION COILS, HORN, RECTIFIER AND ZENER DIODE

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

# D.C. IGNITION COILS, HORN, RECTIFIER AND ZENER DIODE

|    |          |                                 |             |               |
|----|----------|---------------------------------|-------------|---------------|
| 1  | 45110    | IGNITION COIL. Type MA12        | 2           |               |
| 2  | 54190108 | Lucar terminal                  | 4           |               |
| 3  | 131023   | Plain washer (E2351)            | 4           |               |
| 4  | 188330   | Serrated washer (GS299)         | 4           |               |
| 5  | 166043   | Nut (F3799)                     | 4           |               |
| 6  | 421554   | Rubber grommet                  | 2           |               |
| 7  | 421863   | Cable clip                      | 2           |               |
| 8  | 100104   | Screw                           | 2           |               |
| 9  | 169160   | Square nut                      | 2           |               |
| 10 | 422369   | "D" washer                      | 4           |               |
| 11 | 54942078 | Lucar connector                 | as required |               |
| 12 | 54190042 | Insulating cover...             | as required |               |
| 13 | F3809    | Bolt (1 $\frac{3}{4}$ in. U.H.) | 2           |               |
| 14 | F5466    | Rubber grommet                  | 2           |               |
| 15 | F5467    | Distance piece                  | 4           |               |
| 16 | E3290    | Self locking nut                | 2           |               |
| 17 | —        | Sparking plug (Champion N4)     | 2           |               |
| 18 | D262     | Plug cover                      | 2           | U.S.A.        |
| 19 | F6632    | Horn bracket                    | 1           |               |
| 20 | H426     | Bolt ( $\frac{3}{8}$ in. U.H.)  | 1           |               |
| 21 | S26-1    | Spring washer                   | 1           |               |
| 22 | S1-52    | Nut                             | 1           |               |
| 23 | F6900    | Mounting plate                  | 1           |               |
| 24 | 49345    | Zener diode                     | 1           |               |
| 25 | DS57     | Bolt ( $\frac{7}{8}$ in. U.H.)  | 2           |               |
| 26 | S25-1    | Washer                          | 2           |               |
| 27 | 54441582 | Condenser                       | 2           | U.S.A.        |
| 28 | 54937976 | H.T. lead complete (resistive)  | 2           |               |
| 29 | 842183   | H.T. lead (7 m.m. cable)        | 2           | U.S.A.        |
| 30 | 35601    | Cut-out button, type SS5        | 1           | "Kill button" |
| 31 | H1669    | Cup                             | 1           |               |
| 32 | H1670    | Clip                            | 2           |               |
| 33 | H687     | Bolt ( $\frac{3}{8}$ in. U.H.)  | 1           |               |
| 34 | H745     | Nut                             | 1           |               |
| 35 | 70164    | Horn, type 8H                   | 1           |               |
| 36 | F4771    | Screw ( $\frac{3}{8}$ in. U.H.) | 2           |               |
| 37 | F3799    | Nut                             | 2           |               |
| 38 | GS299    | Serrated washer                 | 2           |               |
| 39 | 49072    | Rectifier, type 2DS 506         | 1           |               |
| 40 | F5338    | Nut (156 596)                   | 1           |               |
| 41 | F6896    | Bracket                         | 1           |               |
| 42 | F879     | Nut                             | 2           |               |

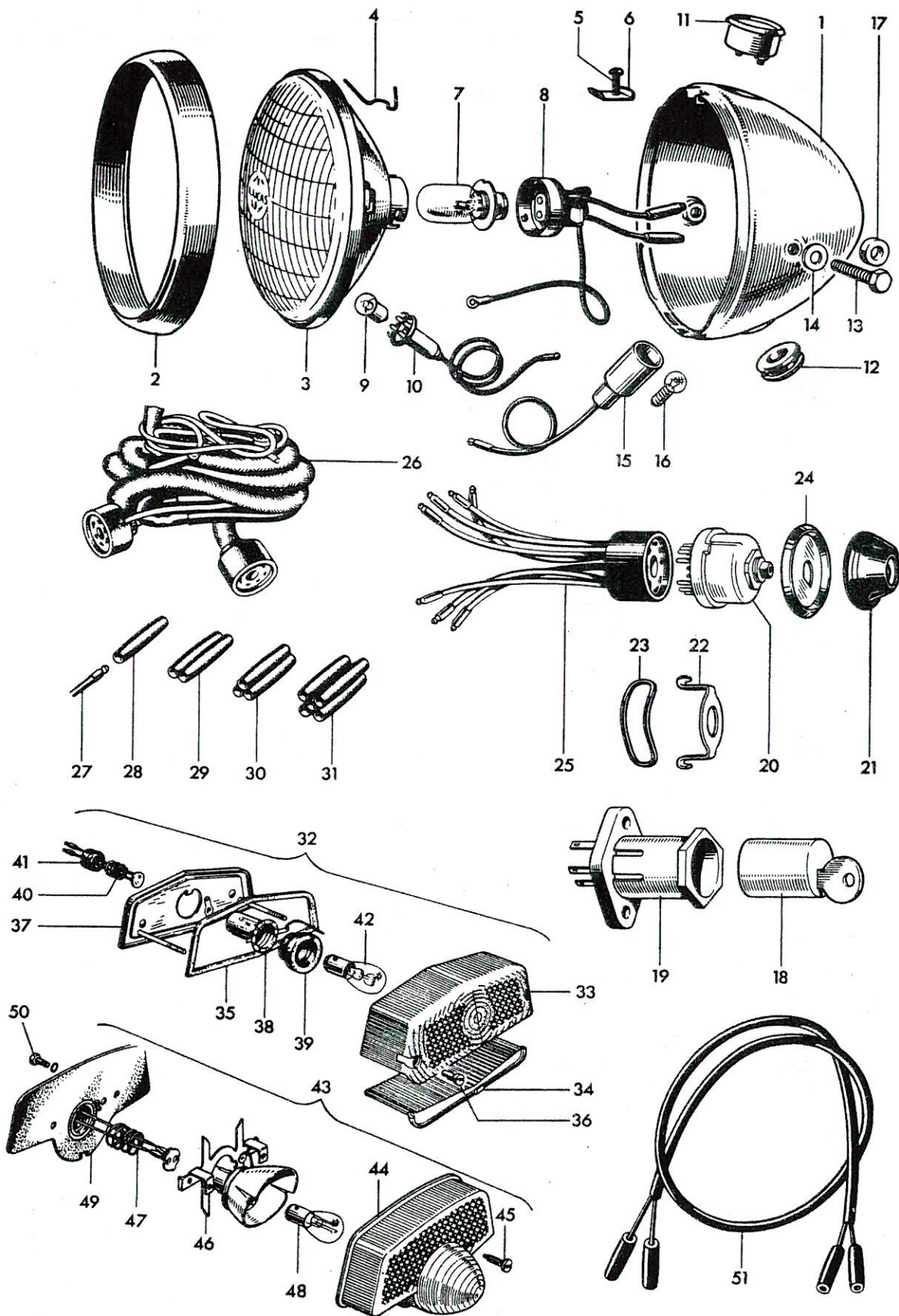


Fig. 34. HEADLAMP, WIRING HARNESS, SWITCHES AND TAIL LAMP

## HEADLAMP, WIRING HARNESS, SWITCHES AND TAIL LAMP

|    |          |                                       |     |     |     |     |     |     |   |             |
|----|----------|---------------------------------------|-----|-----|-----|-----|-----|-----|---|-------------|
| 1  | 59579    | HEADLAMP COMPLETE                     | ... | ... | ... | ... | ... | ... | 1 |             |
| 2  | 553248   | Rim ...                               | ... | ... | ... | ... | ... | ... | 1 |             |
| 3  | 516798   | Light unit ...                        | ... | ... | ... | ... | ... | ... | 1 |             |
| 4  | 504665   | Fixing wire...                        | ... | ... | ... | ... | ... | ... | 6 |             |
| 5  | 144921   | Screw                                 | ... | ... | ... | ... | ... | ... | 1 |             |
| 6  | 534296   | Plate                                 | ... | ... | ... | ... | ... | ... | 1 |             |
| 7  | 446      | Bulb (50/40 W. Vert dip. Pre-focus)   | ... | ... | ... | ... | ... | ... | 1 |             |
| 8  | 554602   | Main bulbholder                       | ... | ... | ... | ... | ... | ... | 1 |             |
| 9  | 988      | Bulb (3W. M.C.C.)                     | ... | ... | ... | ... | ... | ... | 1 |             |
| 10 | 554710   | Pilot bulbholder                      | ... | ... | ... | ... | ... | ... | 1 |             |
| 11 | 36296    | Ammeter type 2AR                      | ... | ... | ... | ... | ... | ... | 1 |             |
| 12 | 862217   | Grommet                               | ... | ... | ... | ... | ... | ... | 1 |             |
| 13 | 112201   | Bolt                                  | ... | ... | ... | ... | ... | ... | 2 |             |
| 14 | 137499   | Plain washer                          | ... | ... | ... | ... | ... | ... | 2 |             |
| 15 | 38189    | Ignition warning light body           | ... | ... | ... | ... | ... | ... | 1 |             |
| 16 | 281      | Bulb (2W. BA7S)                       | ... | ... | ... | ... | ... | ... | 1 |             |
| 17 | H1932    | Headlamp spacer                       | ... | ... | ... | ... | ... | ... | 2 |             |
| 18 | F6981    | Ignition lock c/w two keys            | ... | ... | ... | ... | ... | ... | 1 |             |
| 19 | 31899    | Ignition switch, type S45             | ... | ... | ... | ... | ... | ... | 1 |             |
| 20 | 34289    | Lighting switch, type 88SA            | ... | ... | ... | ... | ... | ... | 1 |             |
| 21 | 54330934 | Knob c/w screw                        | ... | ... | ... | ... | ... | ... | 1 |             |
| 22 | F5983    | Bracket                               | ... | ... | ... | ... | ... | ... | 1 |             |
| 23 | F5988    | Rubber band                           | ... | ... | ... | ... | ... | ... | 1 |             |
| 24 | 54330576 | Switch bezel plate                    | ... | ... | ... | ... | ... | ... | 1 |             |
| 25 | 54930007 | Replacement harness socket (Lighting) | ... | ... | ... | ... | ... | ... | 1 |             |
| 26 | 54938941 | Wiring harness                        | ... | ... | ... | ... | ... | ... | 1 |             |
| 27 | 900269   | Snap connector terminal               | ... | ... | ... | ... | ... | ... |   | as required |
| 28 | 900288   | Single snap connector                 | ... | ... | ... | ... | ... | ... |   | as required |
| 29 | 850641   | Double snap connector                 | ... | ... | ... | ... | ... | ... |   | as required |
| 30 | 850844   | Triple snap connector                 | ... | ... | ... | ... | ... | ... |   | as required |
| 31 | 850832   | Quintuple snap connector              | ... | ... | ... | ... | ... | ... |   | as required |
| 32 | 53454    | STOP AND TAIL LAMP, Type 564          | ... | ... | ... | ... | ... | ... | 1 |             |
| 33 | 573839   | Lens                                  | ... | ... | ... | ... | ... | ... | 1 |             |
| 34 | 575200   | Window                                | ... | ... | ... | ... | ... | ... | 1 |             |
| 35 | 575208   | Lens seating gasket                   | ... | ... | ... | ... | ... | ... | 1 |             |
| 36 | 575219   | Sleeve nut                            | ... | ... | ... | ... | ... | ... | 2 |             |
| 37 | 576002   | Base assembly                         | ... | ... | ... | ... | ... | ... | 1 | 3TA, 5TA    |
| 38 | 575209   | Bulbholder                            | ... | ... | ... | ... | ... | ... | 1 | T90, T100   |
| 39 | 575207   | Grommet                               | ... | ... | ... | ... | ... | ... | 1 |             |
| 40 | 573828   | Contact assembly                      | ... | ... | ... | ... | ... | ... | 1 |             |
| 41 | 573625   | Grommet                               | ... | ... | ... | ... | ... | ... | 1 |             |
| 42 | 380      | Bulb (6/21 W. Offset pin)             | ... | ... | ... | ... | ... | ... | 1 |             |
| 43 | 53973    | STOP AND TAIL LAMP, Type L679         | ... | ... | ... | ... | ... | ... | 1 |             |
| 44 | 54572932 | Lens...                               | ... | ... | ... | ... | ... | ... | 1 |             |
| 45 | 572289   | Screw                                 | ... | ... | ... | ... | ... | ... | 2 |             |
| 46 | 54574348 | Bulb holder with reflector            | ... | ... | ... | ... | ... | ... | 1 | T100R       |
| 47 | 573828   | Contact assembly                      | ... | ... | ... | ... | ... | ... | 1 |             |
| 48 | 380      | Bulb (6/21 W. Offset pin)             | ... | ... | ... | ... | ... | ... | 1 |             |
| 49 | 54571677 | Gasket                                | ... | ... | ... | ... | ... | ... | 1 |             |
| 50 | 127684   | Screw                                 | ... | ... | ... | ... | ... | ... | 2 |             |
| 51 | 838604   | Stop and tail lamp lead               | ... | ... | ... | ... | ... | ... | 1 |             |



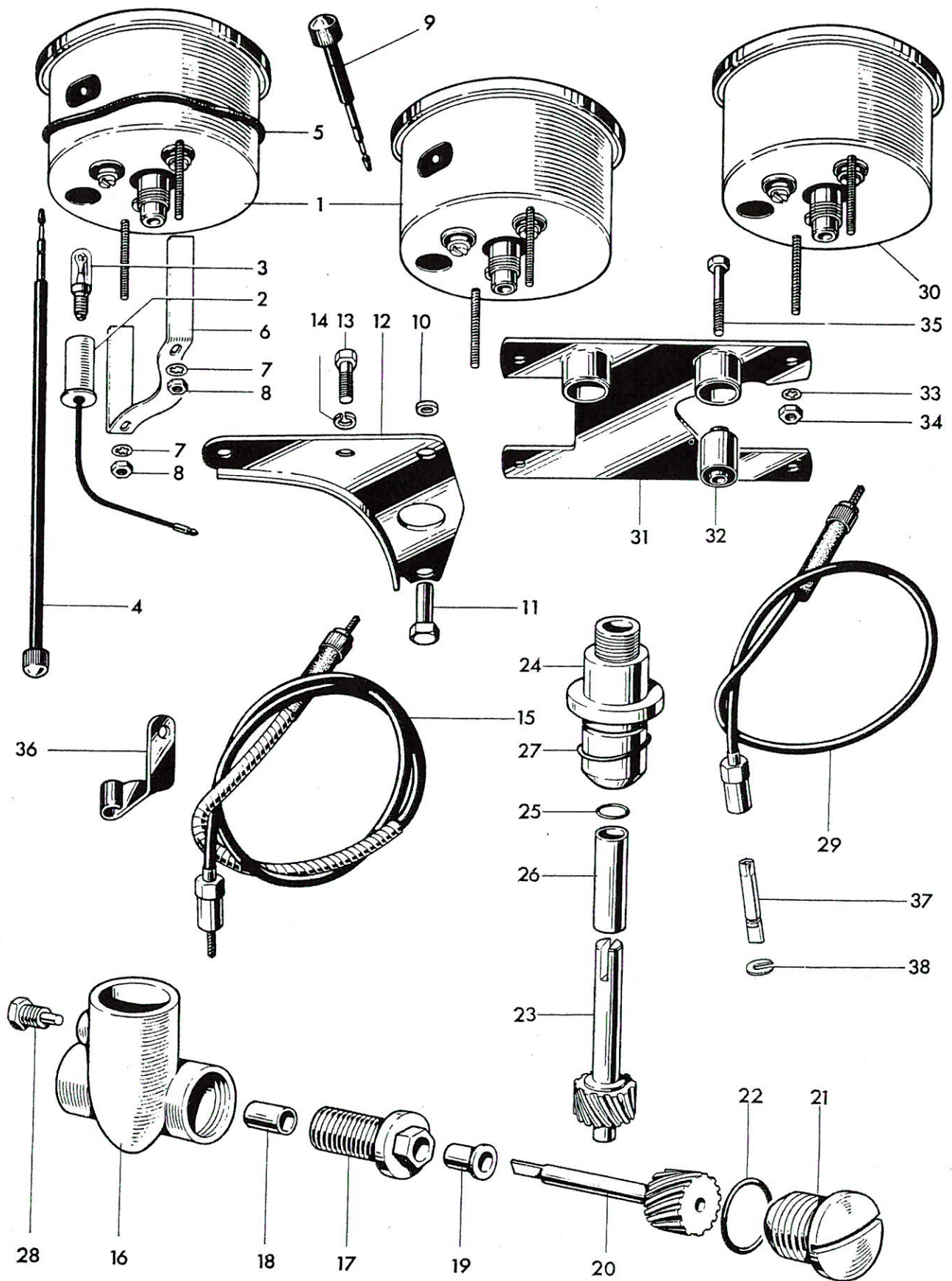


Fig. 35. SPEEDOMETER AND TACHOMETER

## SPEEDOMETER AND TACHOMETER

|    |               |                                  |     |     |     |     |     |     |   |                      |
|----|---------------|----------------------------------|-----|-----|-----|-----|-----|-----|---|----------------------|
| 1  | SSM5002/00    | Speedometer head MPH             | ... | ... | ... | ... | ... | ... | 1 | 3TA, 5TA             |
| 1  | SSM5002/01    | Speedometer head KPH             | ... | ... | ... | ... | ... | ... | 1 | Alternative 3TA, 5TA |
| 1  | SSM5001/00    | Speedometer head MPH             | ... | ... | ... | ... | ... | ... | 1 | T90, T100            |
| 1  | SSM5001/01    | Speedometer head KPH             | ... | ... | ... | ... | ... | ... | 1 | Alternative T90,T100 |
| 2  | 554734        | Bulb holder                      | ... | ... | ... | ... | ... | ... | 1 |                      |
| 3  | 987           | Bulb, 3.W. M.E.S.                | ... | ... | ... | ... | ... | ... | 1 |                      |
| 4  | 41-118-127-72 | Trip control                     | ... | ... | ... | ... | ... | ... | 1 |                      |
| 5  | 31-753-778    | Rubber ring                      | ... | ... | ... | ... | ... | ... | 1 |                      |
| 6  | 31-674-188-01 | Fixing strap                     | ... | ... | ... | ... | ... | ... | 1 |                      |
| 7  | 30-283-014-11 | Washer                           | ... | ... | ... | ... | ... | ... | 2 |                      |
| 8  | 30-277-023-11 | Nut                              | ... | ... | ... | ... | ... | ... | 2 |                      |
| 9  | 41-148-203-10 | Trip control                     | ... | ... | ... | ... | ... | ... | 1 |                      |
| 10 | H1702         | Distance piece                   | ... | ... | ... | ... | ... | ... | 2 |                      |
| 11 | H1701         | Sleeve nut                       | ... | ... | ... | ... | ... | ... | 2 |                      |
| 12 | H1668         | Bracket                          | ... | ... | ... | ... | ... | ... | 1 |                      |
| 13 | DS57          | Bolt ( $\frac{7}{16}$ in. U.H.)  | ... | ... | ... | ... | ... | ... | 2 |                      |
| 14 | S26-2         | Spring washer                    | ... | ... | ... | ... | ... | ... | 2 |                      |
| 15 | D609          | Speedometer cable (65 ins. long) | ... | ... | ... | ... | ... | ... | 1 | Smiths DF9110/00     |
| 16 | E5755         | TACHOMETER GEARBOX               | ... | ... | ... | ... | ... | ... | 1 |                      |
| 17 | E5153         | Securing screw                   | ... | ... | ... | ... | ... | ... | 1 |                      |
| 18 | E5156         | Bush                             | ... | ... | ... | ... | ... | ... | 1 |                      |
| 19 | E5155         | 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 | E6124         | Bush                             | ... | ... | ... | ... | ... | ... | 1 |                      |
| 27 | E3309         | "O" ring                         | ... | ... | ... | ... | ... | ... | 1 |                      |
| 28 | E5881         | Set screw                        | ... | ... | ... | ... | ... | ... | 1 |                      |
| 29 | D578          | Tachometer cable (28 in. long)   | ... | ... | ... | ... | ... | ... | 1 |                      |
| 30 | RSM3003/01    | Tachometer                       | ... | ... | ... | ... | ... | ... | 1 |                      |
| 31 | H1946         | MOUNTING BRACKET                 | ... | ... | ... | ... | ... | ... | 1 |                      |
| 32 | H1929         | Metallastik Bush                 | ... | ... | ... | ... | ... | ... | 2 |                      |
| 33 | 30-282-014-11 | Washer                           | ... | ... | ... | ... | ... | ... | 2 |                      |
| 34 | 30-276-037-11 | Nut                              | ... | ... | ... | ... | ... | ... | 2 |                      |
| 35 | H1086         | Bolt ( $1\frac{1}{16}$ in. U.H.) | ... | ... | ... | ... | ... | ... | 2 |                      |
| 36 | H1698         | Cable bracket                    | ... | ... | ... | ... | ... | ... | 1 |                      |
| 37 | D493          | Spade                            | ... | ... | ... | ... | ... | ... | 1 |                      |
| 38 | D494          | Circlip                          | ... | ... | ... | ... | ... | ... | 1 |                      |



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