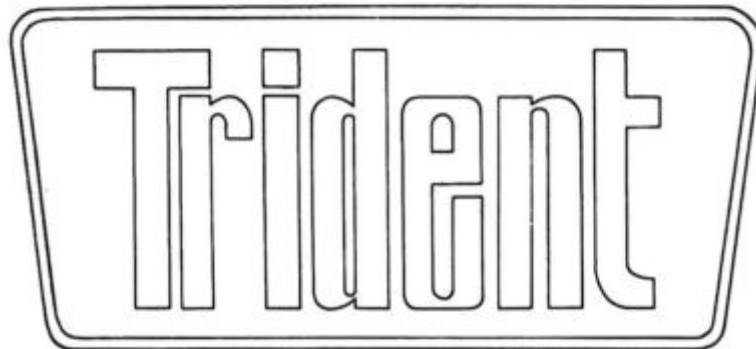


**TRIUMPH**



**45 cu. ins. (750 c.c.)**

# **REPLACEMENT PARTS CATALOGUE**

**Second Edition**

**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 USA) 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 Distributor 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.

## ILLUSTRATION INDEX

| Fig. No. | Description                                          | Page No. |
|----------|------------------------------------------------------|----------|
| 1        | CRANKSHAFT AND CONNECTING RODS                       | 8        |
| 2        | CRANKCASES                                           | 10       |
| 3        | OIL PUMP, RELEASE VALVE AND FILTER                   | 12       |
| 4        | CYLINDER HEAD AND ROCKER BOXES                       | 14       |
| 5        | CYLINDER BARREL, PUSH ROD AND TUBES, TAPPETS         | 16       |
| 6        | TIMING COVER AND CONTACT BREAKER                     | 18       |
| 7        | MANIFOLD AND THROTTLE LINKAGE                        | 20       |
| 8        | GEARBOX OUTER COVER                                  | 22       |
| 9        | GEARBOX INNER COVER AND SELECTORS                    | 24       |
| 10       | GEARBOX SHAFTS AND GEARS                             | 26       |
| 11       | CLUTCH AND CLUTCH OPERATING MECHANISM                | 28       |
| 12       | INNER AND OUTER CHAINCASE                            | 30       |
| 13       | PRIMARY TRANSMISSION AND OIL PUMP DRIVE              | 32       |
| 14       | FRAME                                                | 34       |
| 15       | SWINGING FORK AND SUSPENSION UNITS                   | 36       |
| 16       | ENGINE UNIT FITTINGS AND FOOTRESTS                   | 38       |
| 17       | EXHAUST PIPES AND SILENCERS (MUFFLERS)               | 40       |
| 18       | TELESCOPIC FRONT FORK                                | 42       |
| 19       | HANDLEBAR MOUNTINGS AND STEERING DAMPER              | 44       |
| 20       | FRONT WHEEL                                          | 46       |
| 21       | FRONT WHEEL                                          | 48       |
| 22       | REAR WHEEL                                           | 50       |
| 23       | OIL COOLER                                           | 52       |
| 24       | PETROL (GAS) TANK                                    | 54       |
| 25       | OIL TANK                                             | 56       |
| 26       | BATTERY CARRIER AND AIR FILTER                       | 58       |
| 27       | PANELS AND TWINSEAT                                  | 60       |
| 28       | MUDGUARDS (FENDERS)                                  | 62       |
| 29       | MUDGUARDS (FENDERS)                                  | 64       |
| 30       | HANDLEBARS, CONTROLS, BINNACLE AND OIL WARNING LIGHT | 66       |
| 31       | CONTROL CABLES                                       | 68       |
| 32       | TOOLKIT AND PILLION FOOTRESTS                        | 70       |
| 33       | AMAL CARBURETTER                                     | 72       |
| 34       | SPEEDOMETER AND TACHOMETER                           | 74       |
| 35       | IGNITION COILS, HORNS, RECTIFIER AND ZENER DIODE     | 76       |
| 36       | HEADLAMP, WIRING HARNESS, SWITCHES AND TAIL LAMP     | 78       |

## PROPRIETARY GROUP

Ancillary equipment which is fitted to our motor cycles is of the highest quality and is guaranteed by the manufacturers and not by ourselves. Any repairs or claims should be directed 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:—

### **CARBURETTERS.**

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

### **CHAINS.**

Renold Chains Ltd.,  
Wythenshawe,  
Manchester.

### **ELECTRICAL EQUIPMENT.**

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

### **TYRES.**

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

The Avon Rubber Co. Ltd.,  
Melksham,  
Wilts.

### **SPARKING PLUGS.**

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

### **SPEEDOMETERS.**

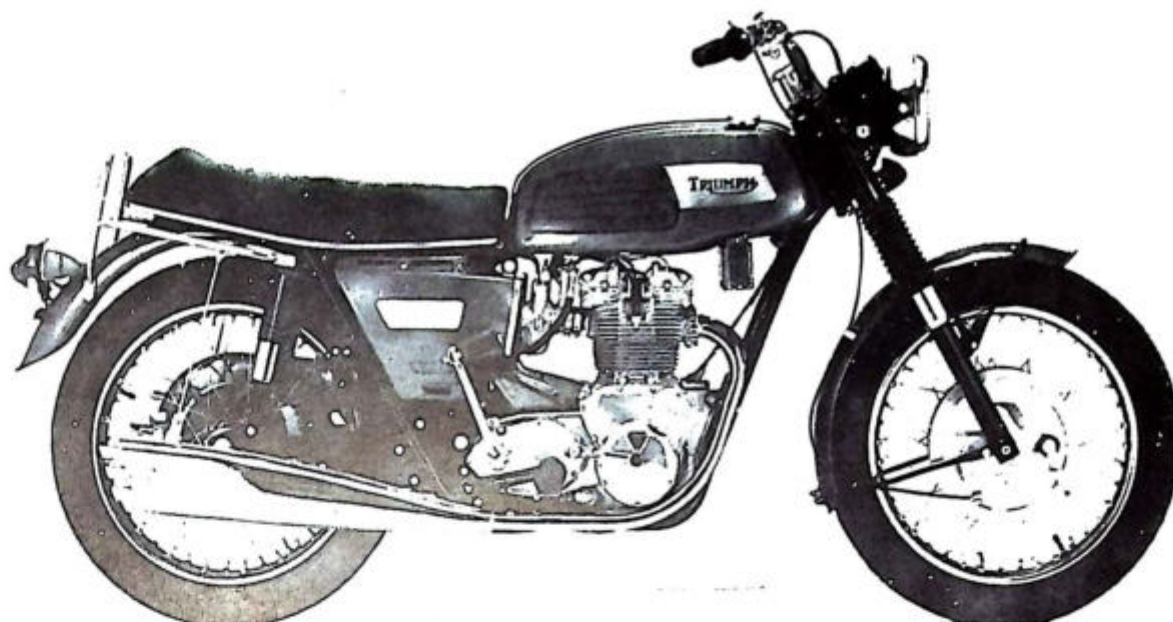
Messrs. Smiths Industries Ltd.,  
Cricklewood Works,  
London, N.W.2.

### **SUSPENSION UNITS.**

Messrs. Girling Ltd.,  
Birmingham Road,  
West Bromwich,  
Staffordshire.

# INDEX

|                              | Page       |                            | Page       |
|------------------------------|------------|----------------------------|------------|
| AIR FILTER ... ..            | 59         | KICKSTARTER ... ..         | 23         |
| ALTERNATOR ... ..            | 19         | MANIFOLD ... ..            | 21         |
| AUTO-ADVANCE UNIT ... ..     | 19         | MUDGUARDS ... ..           | 63, 65     |
| AMMETER ... ..               | 67         | MUFFLERS ... ..            | 41         |
| BATTERY CARRIER ... ..       | 59         | OIL COOLER ... ..          | 53         |
| BINNACLE ... ..              | 67         | OIL PUMP ... ..            | 13         |
| BRAKE SWITCHES ... ..        | 77         | OIL TANK ... ..            | 57         |
| CAMSHAFT, INLET AND EXHAUST  | 9          | OIL FILTER ... ..          | 13         |
| CAPACITOR, IGNITION ... ..   | 77         | OVERSIZE PARTS ... ..      | 7          |
| CARBURETTER ... ..           | 73         | PETROL TANK ... ..         | 55         |
| CENTRE STAND ... ..          | 35         | PISTONS ... ..             | 9          |
| CHAINS ... ..                | 33         | PROP STAND ... ..          | 35         |
| CHAINCASE ... ..             | 31         | PUSH RODS ... ..           | 17         |
| CLUTCH ... ..                | 29         | REAR WHEEL ... ..          | 51         |
| CLUTCH LEVER ASSEMBLY ... .. | 67         | RECTIFIER ... ..           | 77         |
| COIL ... ..                  | 77         | REFLECTORS ... ..          | 53, 63, 65 |
| CONDENSER PACK ... ..        | 77         | ROCKERS ... ..             | 15         |
| CONNECTING RODS ... ..       | 9          | SIDE PANEL ... ..          | 61         |
| CONTACT BREAKER ... ..       | 19         | SILENCERS ... ..           | 41         |
| CONTROL CABLES ... ..        | 69         | SPARK PLUG ... ..          | 77         |
| CONTROL LEVERS ... ..        | 67         | SPEEDOMETER ... ..         | 75         |
| CRANKCASE ... ..             | 11         | SPEEDOMETER GEARBOX ... .. | 51         |
| CRANKSHAFT ... ..            | 9          | STEERING DAMPER ... ..     | 45         |
| CYLINDERS ... ..             | 17         | STEERING RACES ... ..      | 35, 43     |
| CYLINDER HEAD ... ..         | 15         | SUSPENSION UNITS ... ..    | 37         |
| ENGINE PLATES ... ..         | 39         | SWINGING FORK ... ..       | 37         |
| ENGINE TORQUE STAY ... ..    | 39         | SWITCHES ... ..            | 77         |
| EXHAUST PIPES ... ..         | 41         | TACHOMETER ... ..          | 75         |
| EXHAUST PIPE ADAPTOR ... ..  | 15         | TACHOMETER GEARBOX ... ..  | 75         |
| FENDERS ... ..               | 63, 65     | TAIL LAMP ... ..           | 77         |
| FOOTRESTS ... ..             | 39         | TAPPETS ... ..             | 17         |
| FRAME ... ..                 | 35         | TIMING GEARS ... ..        | 9          |
| FRONT BRAKE... ..            | 47, 49     | TOOLKIT ... ..             | 71         |
| FRONT BRAKE LEVER ... ..     | 67         | TWIN SEAT ... ..           | 61         |
| FRONT FORKS ... ..           | 43         | VALVES ... ..              | 15         |
| FRONT WHEEL ... ..           | 47, 49     | VALVE GUIDES ... ..        | 15         |
| GASKET SET ... ..            | 7          | WARNING LIGHTS ... ..      | 67         |
| GAS TANKS ... ..             | 55         | WIRING HARNESS ... ..      | 79         |
| GEARBOX ... ..               | 23, 25, 27 | ZENER DIODE ... ..         | 77         |
| HANDLEBARS ... ..            | 67         |                            |            |
| HANDLEBAR MOUNTINGS ... ..   | 45         |                            |            |
| HEADLAMP ... ..              | 79         |                            |            |
| HEAT SINK ... ..             | 77         |                            |            |
| HORN ... ..                  | 77         |                            |            |



### TRIDENT (T150) TECHNICAL DATA

|                           |     |     |     |                        |     |     |     |     |     |                                               |
|---------------------------|-----|-----|-----|------------------------|-----|-----|-----|-----|-----|-----------------------------------------------|
| <b>Bore and stroke...</b> | ... | ... | ... | ...                    | ... | ... | ... | ... | ... | 67 x 70 mm.<br>2.67 x 2.751 ins.              |
| <b>Capacity ...</b>       | ... | ... | ... | ...                    | ... | ... | ... | ... | ... | 741 c.c. (45 cu. ins.)                        |
| <b>Compression ratio</b>  | ... | ... | ... | ...                    | ... | ... | ... | ... | ... | 9.5 : 1                                       |
| <b>Spark plugs</b>        | ... | ... | ... | ...                    | ... | ... | ... | ... | ... | Champion N3                                   |
| <b>Carburetors</b>        | ... | ... | ... | ...                    | ... | ... | ... | ... | ... | 3 Amal Concentric 626                         |
|                           |     |     |     | Main jet               | ... | ... | ... | ... | ... | 150                                           |
|                           |     |     |     | Needle jet             | ... | ... | ... | ... | ... | 106                                           |
|                           |     |     |     | Throttle valve         | ... | ... | ... | ... | ... | No. 3                                         |
| <b>Gearbox sprocket</b>   | ... | ... | ... | ...                    | ... | ... | ... | ... | ... | 19 teeth                                      |
| <b>Chains</b>             | ... | ... | ... | Front                  | ... | ... | ... | ... | ... | $\frac{3}{8}$ " Triplex x 82 links            |
|                           |     |     |     | Rear                   | ... | ... | ... | ... | ... | $\frac{5}{8}$ " x $\frac{1}{8}$ " x 106 links |
| <b>Capacities</b>         | ... | ... | ... | Gas Tank               | ... | ... | ... | ... | ... | 4½ U.S. galls. (15.94 litres)                 |
|                           |     |     |     | Oil Tank               | ... | ... | ... | ... | ... | 5 U.S. pints (2.8 litres)                     |
|                           |     |     |     | Gearbox...             | ... | ... | ... | ... | ... | 1½ pints (750 c.c.)                           |
|                           |     |     |     | Primary Chaincase      | ... | ... | ... | ... | ... | $\frac{5}{8}$ pint (350 c.c.)                 |
|                           |     |     |     | Front Forks (each leg) | ... | ... | ... | ... | ... | $\frac{1}{3}$ pint (200 c.c.)                 |
| <b>Brakes</b>             | ... | ... | ... | Front, diameter...     | ... | ... | ... | ... | ... | 8" (20.32 cm.)                                |
|                           |     |     |     | Rear, diameter         | ... | ... | ... | ... | ... | 7" (17.78 cm.)                                |
| <b>Tire size</b>          | ... | ... | ... | Front                  | ... | ... | ... | ... | ... | 3.50 x 19 ins.                                |
|                           |     |     |     | Rear                   | ... | ... | ... | ... | ... | 4.10 x 19 ins.                                |
| <b>Color</b>              | ... | ... | ... | ...                    | ... | ... | ... | ... | ... | Aquamarine                                    |

## 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 4 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 color required. Painted parts are available only in the colours or alternatives specified for that model of that particular year.

| <i>Model</i> | <i>Color</i> |
|--------------|--------------|
| T150         | Aquamarine   |

N.B. Aquamarine is a metallic finish requiring no special undercoat.

Paint is available only in 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.

## PISTON, PISTON RING AND BEARING OVERSIZES AND GASKET SETS

### PISTONS (Complete with rings, gudgeon pins and circlips)

These are in effect "carton pack" assemblies

Compression ratio 9.5 : 1      $\left\{ \begin{array}{l} \text{E9741 Std.} \\ \text{E9762} + 10 \\ \text{E9763} + 20 \\ \text{E9764} + 40 \end{array} \right.$

### PISTON RINGS

CP212      $\left\{ \begin{array}{l} \text{2 off E6838 Compression ring} \\ \text{1 off E6839 Scraper ring} \end{array} \right\} \text{Std.}$

CP212/10      $\left\{ \begin{array}{l} \text{2 off E9016 Compression ring} \\ \text{1 off E9766 Scraper ring} \end{array} \right\} + 10$

CP212/20      $\left\{ \begin{array}{l} \text{2 off E9017 Compression ring} \\ \text{1 off E9767 Scraper ring} \end{array} \right\} + 20$

CP212/40      $\left\{ \begin{array}{l} \text{2 off E9018 Compression ring} \\ \text{1 off E9768 Scraper ring} \end{array} \right\} + 40$

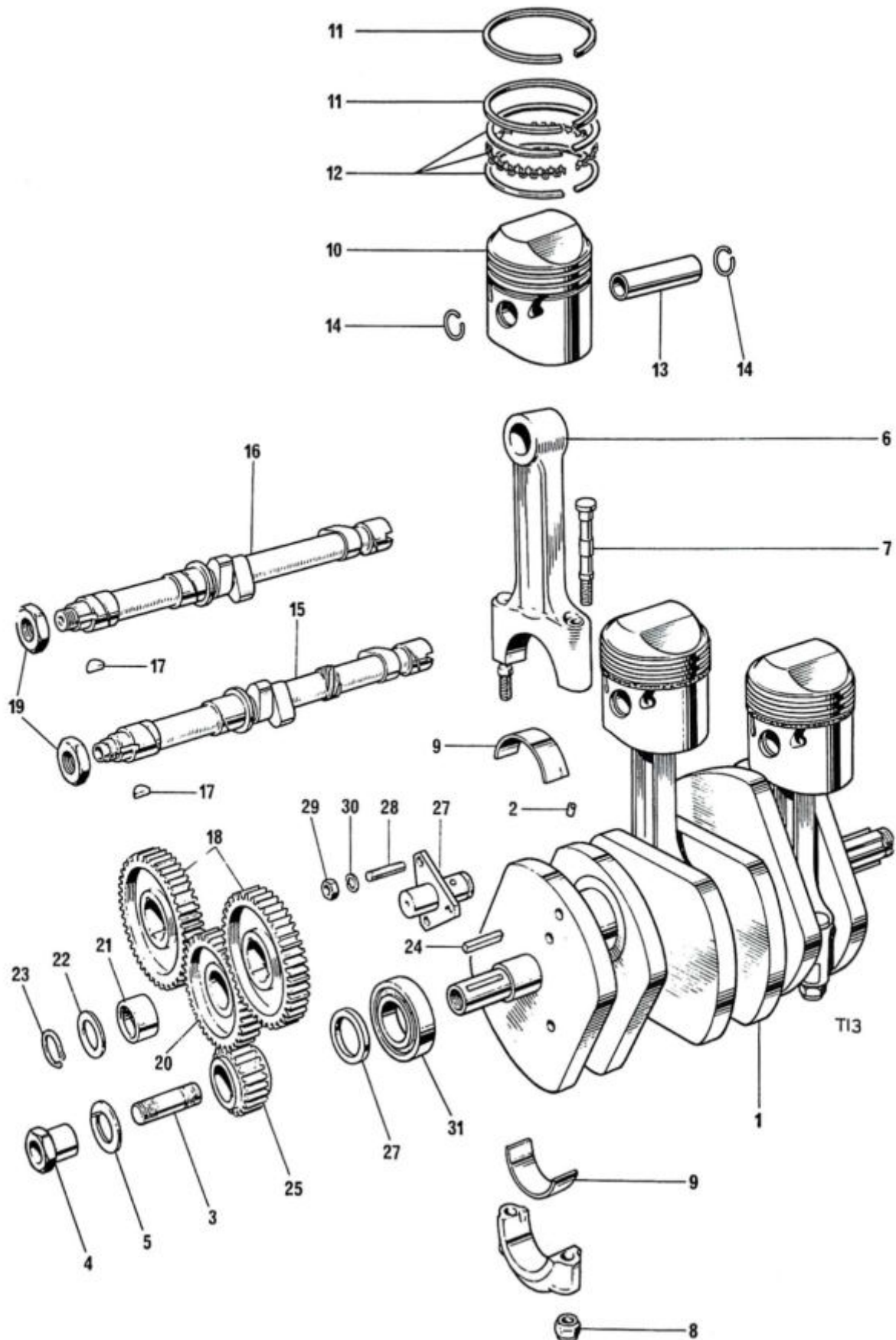
### BIG END BEARINGS SHELLS

E5998 Shell Std.  
E9023 Shell —10  
E9024 Shell —20  
E9025 Shell —30  
E9026 Shell —40

Decoke Gasket Set     99-0039  
Overhaul Gasket Set     99-0030

### MAIN BEARING SHELLS

E9027—·010 in. undersize  
E9028—·020 in. undersize  
E9029—·030 in. undersize  
E9030—·040 in. undersize



**Fig. 1. CRANKSHAFT AND CONNECTING RODS**

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

### CRANKSHAFT AND CONNECTING RODS

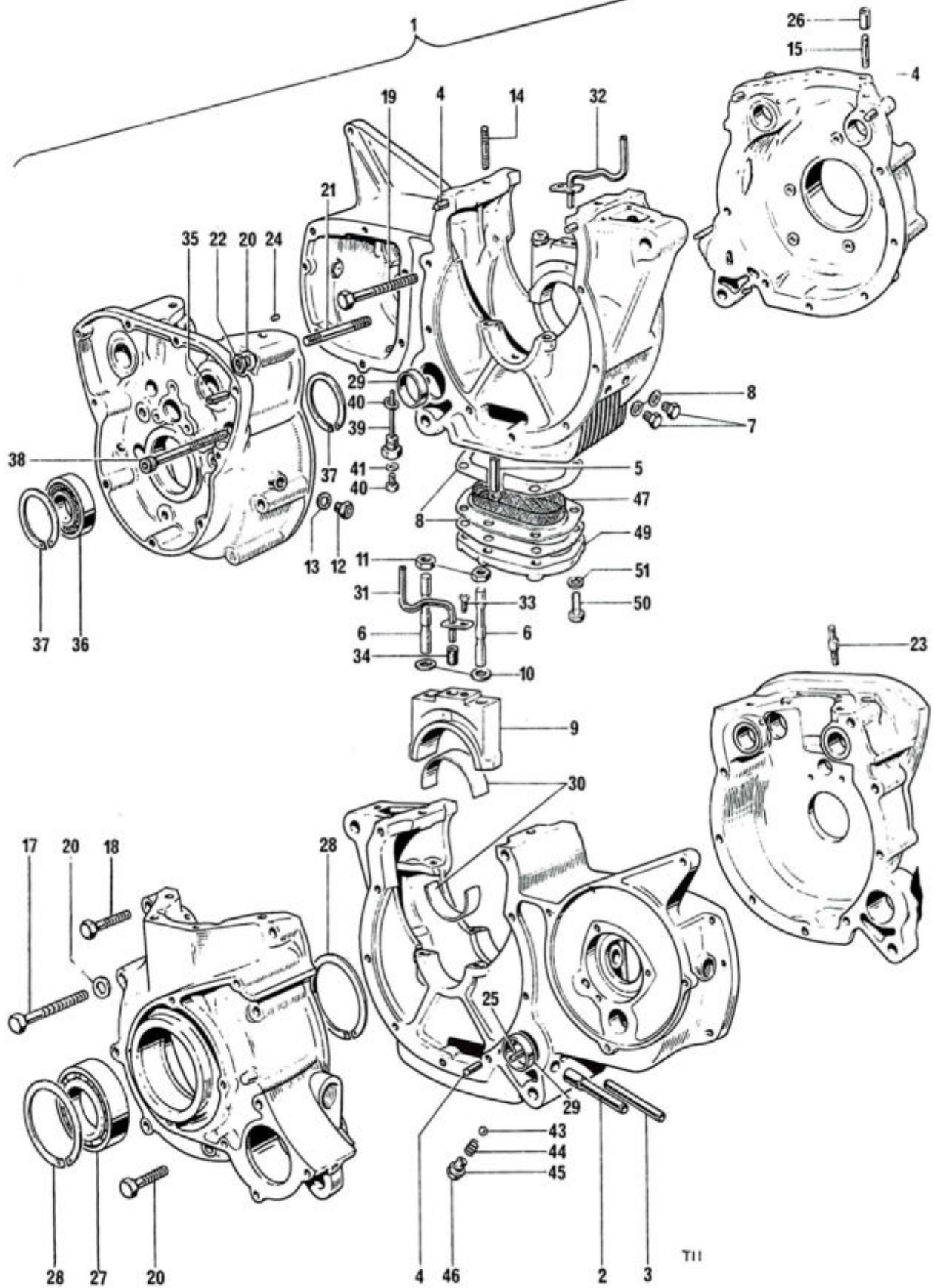
|    |         |                                                |   |  |
|----|---------|------------------------------------------------|---|--|
| 1  | E8778   | CRANKSHAFT ASSEMBLY ...                        | 1 |  |
| 2  | E6577   | Oilway plug ...                                | 4 |  |
| 3  | S548    | Alternator stud (1 $\frac{3}{8}$ in. O.A.) ... | 1 |  |
| 4  | E8763   | Rotor nut ...                                  | 1 |  |
| 5  | E3975   | Washer ...                                     | 1 |  |
| 6  | E9740   | CON ROD ASSEMBLY ...                           | 3 |  |
| 7  | E9727   | Bolt con rod ...                               | 6 |  |
| 8  | S549    | Nut, con rod ...                               | 6 |  |
| 9  | E5998   | *Bearing, big end ...                          | 3 |  |
| 10 | E9741   | †PISTON ASSEMBLY ...                           | 3 |  |
| 11 | E6838   | ‡Taper piston ring ...                         | 6 |  |
| 12 | E9739   | Scraper ring ...                               | 3 |  |
| 13 | E6836   | Gudgeon pin ...                                | 3 |  |
| 14 | E6840   | Circlip ...                                    | 6 |  |
| 15 | E8765   | Exhaust camshaft ...                           | 1 |  |
| 16 | E8764   | Inlet camshaft ...                             | 1 |  |
| 17 | E1558   | Key, camshaft ...                              | 2 |  |
| 18 | E9802   | Pinion camshaft ...                            | 2 |  |
| 19 | E6523   | Nut, camshaft ...                              | 2 |  |
| 20 | E6029   | Intermediate timing gear ...                   | 1 |  |
| 21 | E7650   | Needle roller bearing ...                      | 1 |  |
| 22 | E6088   | Thrust washer ...                              | 1 |  |
| 23 | E8768   | Circlip ...                                    | 1 |  |
| 24 | E10037  | Key—timing pinion and rotor ...                | 1 |  |
| 25 | E6524   | Timing pinion ...                              | 1 |  |
| 26 | E6173   | Distance piece ...                             | 1 |  |
| 27 | E6030   | Spindle, intermediate gear ...                 | 1 |  |
| 28 | S547    | Stud ( $\frac{7}{8}$ in. O.A.) ...             | 1 |  |
| 29 | 14-0401 | Nut, intermediate gear ...                     | 1 |  |
| 30 | S26-2   | Washer ...                                     | 1 |  |
| 31 | E8780   | Main bearing (roller) ...                      | 1 |  |

\* Available in undersizes of -0.010", 0.020", 0.030", 0.040"

† Available in oversizes of +0.010", 0.020", 0.040"

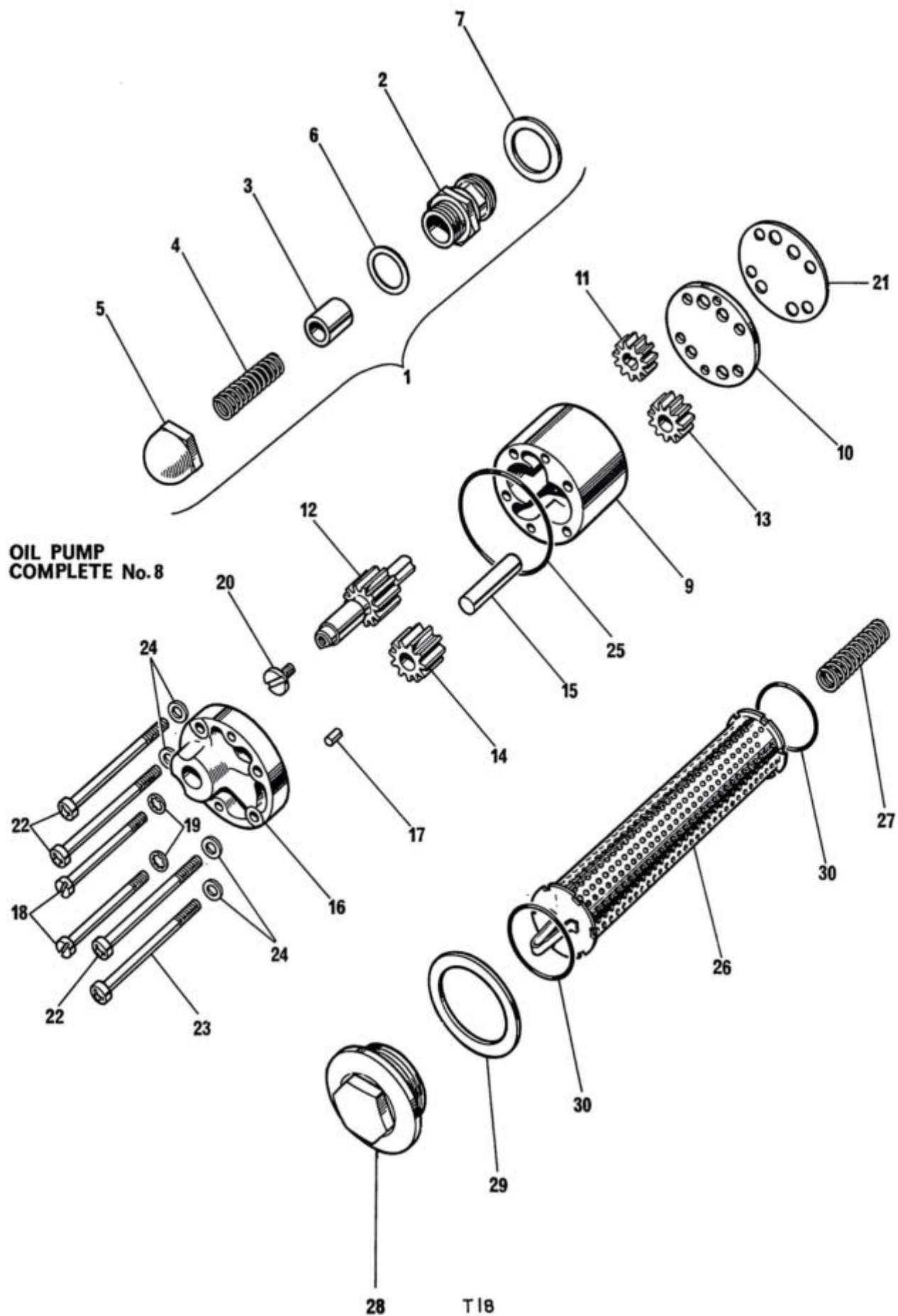
‡ Available in oversizes of +0.010, 0.020", 0.040"

} See page 7



**Fig. 2. CRANKCASES**

| Ref. No.          | Part No. | DESCRIPTION                                                 | QUANTITY | REMARKS |
|-------------------|----------|-------------------------------------------------------------|----------|---------|
| <b>CRANKCASES</b> |          |                                                             |          |         |
| 1                 | E9002    | CRANKCASES ... ..                                           | 1        |         |
| 2                 | E6573    | Oil return pipe stub ... ..                                 | 1        |         |
| 3                 | E6574    | Oil feed pipe stub ... ..                                   | 1        |         |
| 4                 | E8774    | Dowel T.S. and D.S. ... ..                                  | 4        |         |
| 5                 | E6578    | Scavenge tube ... ..                                        | 1        |         |
| 6                 | E8745    | Waisted stud, main bearing cap ... ..                       | 4        |         |
| 7                 | 14-6113  | Plug, main bearing oilways ( $\frac{5}{8}$ in. U.H.) ... .. | 2        |         |
| 8                 | E8776    | Washer ... ..                                               | 2        |         |
| 9                 | E7423    | Cap, main bearing ... ..                                    | 2        |         |
| 10                | S25-2    | Washer ... ..                                               | 4        |         |
| 11                | 14-1203  | Nut ... ..                                                  | 4        |         |
| 12                | E8755    | Plug, timing aperture ... ..                                | 1        |         |
| 13                | E1523    | Washer, timing aperture ... ..                              | 1        |         |
| 14                | S1931    | Stud, cylinder base ( $1\frac{1}{2}$ in. O.A.) ... ..       | 4        |         |
| 15                | E8738    | Stud, cylinder at dowel ( $1\frac{1}{8}$ in. O.A.) ... ..   | 2        |         |
| 16                | 14-6218  | Clamping bolt ( $1\frac{3}{8}$ in. U.H.) ... ..             | 2        |         |
| 17                | 14-6226  | Clamping bolt ( $3\frac{1}{4}$ in. U.H.) ... ..             | 9        |         |
| 18                | 14-6220  | Clamping bolt ( $1\frac{3}{4}$ in. U.H.) ... ..             | 2        |         |
| 19                | 14-6223  | Clamping bolt ( $2\frac{1}{4}$ in. U.H.) ... ..             | 1        |         |
| 20                | S25-3    | Washer ... ..                                               | 9        |         |
| 21                | 14-1427  | Stud, T.S. crankcase (3 in. O.A.) ... ..                    | 2        |         |
| 22                | 14-0302  | Nut ... ..                                                  | 2        |         |
| 23                | S1912    | Stud, cylinder base ( $1\frac{5}{8}$ in. O.A.) ... ..       | 4        |         |
| 24                | T912     | Peg, needle roller thrust ... ..                            | 1        |         |
| 25                | E1532    | Dowel, oil pump to crankcase ... ..                         | 1        |         |
| 26                | E8751    | Dowel, cylinder base ... ..                                 | 2        |         |
| 27                | E1591    | D.S. main bearing ... ..                                    | 1        |         |
| 28                | E6025    | Circlip, main bearing ... ..                                | 2        |         |
| 29                | E9586    | Sleeve at 'O' ring ... ..                                   | 2        |         |
| 30                | E6023    | Main Bearing Shell (see Page 7 also) ... ..                 | 4        |         |
| 31                | E8748    | Tappet oil feed pipe T.S. ... ..                            | 1        |         |
| 32                | E8746    | Tappet oil feed pipe D.S. ... ..                            | 1        |         |
| 33                | T1150    | Screw, pipe to bearing cap ... ..                           | 2        |         |
| 34                | E9843    | Sealing rubber ... ..                                       | 4        |         |
| 35                | T989     | Dowel ... ..                                                | 2        |         |
| 36                | E8780    | Main bearing T.S. (roller) ... ..                           | 1        |         |
| 37                | E6026    | Circlip ... ..                                              | 2        |         |
| 38                | S678     | Socket screw (4 in. U.H.) ... ..                            | 1        |         |
| 39                | T3851    | Gearbox drain plug ... ..                                   | 1        |         |
| 40                | E2441    | Fibre washer ... ..                                         | 1        |         |
| 41                | S543     | Level plug ... ..                                           | 1        |         |
| 42                | T1257    | Fibre washer ... ..                                         | 1        |         |
| 43                | E8750    | Non return valve ball ( $\frac{7}{16}$ in. dia.) ... ..     | 1        |         |
| 44                | E6567    | Spring ... ..                                               | 1        |         |
| 45                | E6742    | Joint washer ... ..                                         | 1        |         |
| 46                | E6584    | Plug ... ..                                                 | 1        |         |
| 47                | E6501    | Scavenge filter ... ..                                      | 1        |         |
| 48                | E6516    | Gasket ... ..                                               | 2        |         |
| 49                | E6580    | Cover ... ..                                                | 1        |         |
| 50                | 14-6103  | Bolt ( $\frac{5}{8}$ in. U.H.) ... ..                       | 6        |         |
| 51                | S26-2    | Spring washer ... ..                                        | 4        |         |



**Fig. 3. OIL PUMP, RELEASE VALVE AND FILTER**

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

### OIL PUMP RELEASE VALVE AND OIL FILTER

|    |        |                                                                     |              |  |
|----|--------|---------------------------------------------------------------------|--------------|--|
| 1  | E6595  | OIL PRESSURE RELEASE VALVE ... ..                                   | 1            |  |
| 2  | E7590  | Body ... ..                                                         | 1            |  |
| 3  | GS251  | Piston ... ..                                                       | 1            |  |
| 4  | E7591  | Spring ... ..                                                       | 1            |  |
| 5  | E6596  | Cap ... ..                                                          | 1            |  |
| 6  | E9738  | Joint washer (cap to body) ... ..                                   | 1            |  |
| 7  | E9737  | Alloy washer ... ..                                                 | 1            |  |
| 8  | E9001  | OIL PUMP COMPLETE ... ..                                            | 1            |  |
| 9  | E6430  | Oil pump, body ... ..                                               | Not serviced |  |
| 10 | E6502  | Base plate ... ..                                                   | 1            |  |
| 11 | E6455  | Drive feed gear ... ..                                              | 1            |  |
| 12 | E6889  | Drive scavenge gear ... ..                                          | 1            |  |
| 13 | E6038  | Driven feed gear ... ..                                             | 1            |  |
| 14 | E6039  | Driven scavenge gear ... ..                                         | 1            |  |
| 15 | E6454  | Driven gear spindle ... ..                                          | 1            |  |
| 16 | E6525  | Cover ... ..                                                        | 1            |  |
| 17 | E6459  | Dowel, cover to body ... ..                                         | 1            |  |
| 18 | S559   | Screw, cover to body (2 in. U.H.) ... ..                            | 2            |  |
| 19 | E8731  | Washer, cover to pump screw ... ..                                  | 2            |  |
| 20 | E7250  | Screw, pinion to drive gear ( $\frac{3}{8}$ in. U.H.) ... ..        | 1            |  |
| 21 | E6503  | Gasket, oil pump to crankcase ... ..                                | 1            |  |
| 22 | E10003 | Screw, pump to crankcase ( $2\frac{1}{2}$ in. U.H.) ... ..          | 3            |  |
| 23 | E9601  | Screw, pump to crankcase at dowel ( $2\frac{3}{4}$ in. U.H.) ... .. | 1            |  |
| 24 | E8732  | Washer, pump to crankcase ... ..                                    | 3            |  |
| 25 | E6570  | Seal, pump to crankcase ... ..                                      | 2            |  |
| 26 | E6571  | Oil filter element ... ..                                           | 1            |  |
| 27 | E6130  | Spring ... ..                                                       | 1            |  |
| 28 | E6582  | Cap ... ..                                                          | 1            |  |
| 29 | E6131  | Fibre washer ... ..                                                 | 1            |  |
| 30 | E8779  | Filter seal ... ..                                                  | 2            |  |

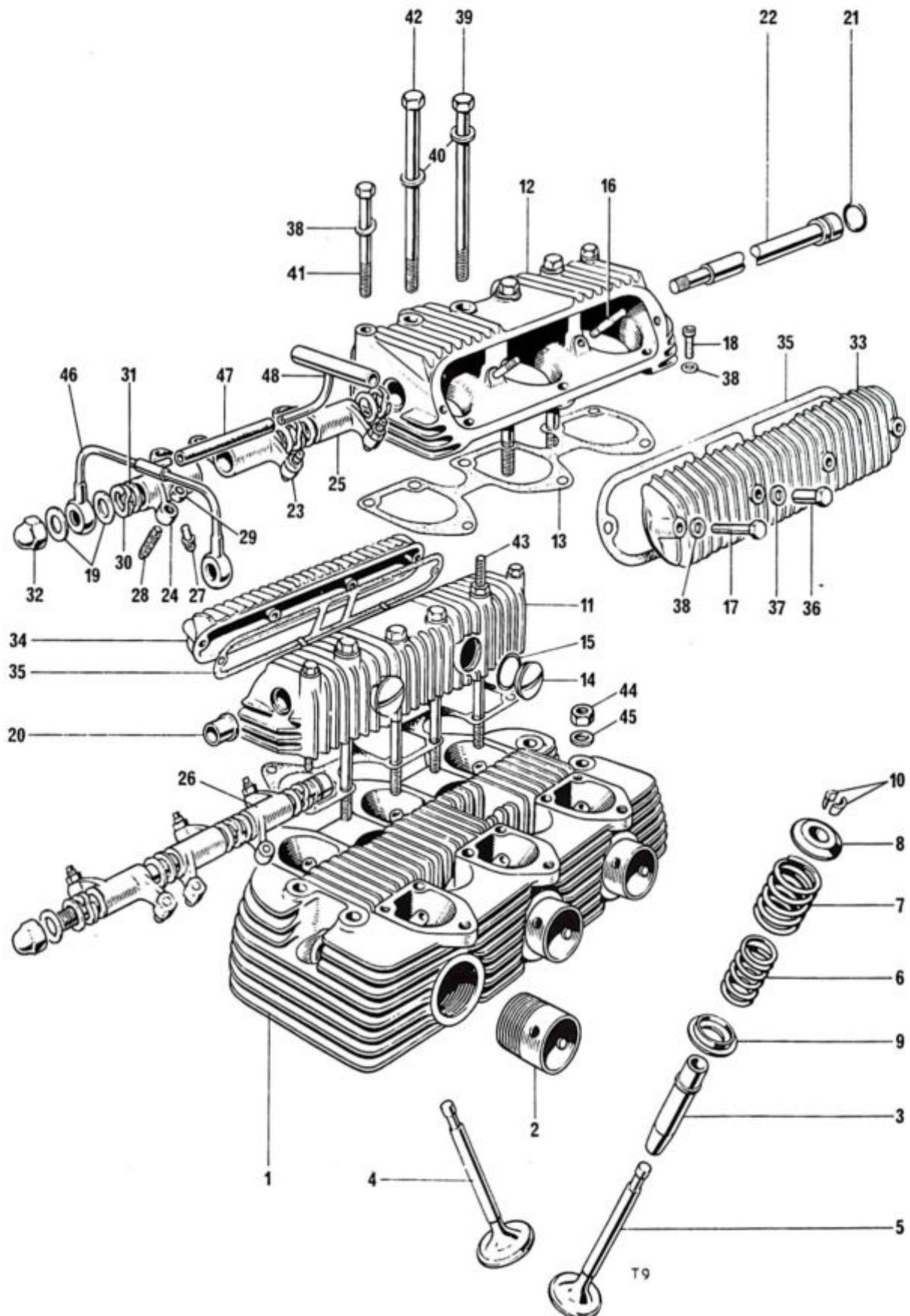


Fig. 4. CYLINDER HEAD AND ROCKER BOXES

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

### CYLINDER HEAD AND ROCKER BOXES

|    |         |                                                                               |    |  |
|----|---------|-------------------------------------------------------------------------------|----|--|
| 1  | E8781   | CYLINDER HEAD ... ..                                                          | 1  |  |
| 2  | E9510   | Exhaust pipe adaptor ... ..                                                   | 3  |  |
| 3  | E6420   | Valve guide ... ..                                                            | 6  |  |
| 4  | E6422   | Inlet valve ... ..                                                            | 3  |  |
| 5  | E6423   | Exhaust valve ... ..                                                          | 3  |  |
| 6  | E8787   | Inner, valve spring ... ..                                                    | 6  |  |
| 7  | E8788   | Outer valve spring ... ..                                                     | 6  |  |
| 8  | E8720   | Top collar ... ..                                                             | 6  |  |
| 9  | E8789   | Bottom cup ... ..                                                             | 6  |  |
| 10 | 99-0062 | Split cotter ... ..                                                           | 12 |  |
| 11 | E6561   | Inlet rocker box ... ..                                                       | 1  |  |
| 12 | E6562   | Exhaust rocker box ... ..                                                     | 1  |  |
| 13 | E8773   | Rocker box gasket ... ..                                                      | 2  |  |
| 14 | T2166   | Rocker box cap ... ..                                                         | 4  |  |
| 15 | E8782   | "O" ring cap ... ..                                                           | 4  |  |
| 16 | 14-1401 | Stud, rocker box cover (1 in. O.A.) ... ..                                    | 4  |  |
| 17 | 14-0201 | Bolt, rocker box cover (1 in. U.H.) ... ..                                    | 4  |  |
| 18 | 14-7004 | Screw ... ..                                                                  | 6  |  |
| 19 | E1335   | Copper washer ... ..                                                          | 4  |  |
| 20 | E6018   | Bush, T.S. for rocker spindle ... ..                                          | 2  |  |
| 21 | E3253   | "O" ring, D.S. bush ... ..                                                    | 2  |  |
| 22 | E9558   | Rocker spindle ... ..                                                         | 2  |  |
| 23 | E9779   | ROCKER LEVER, T.S. INLET/CENTRE EXHAUST ... ..                                | 2  |  |
| 24 | E9780   | ROCKER LEVER, T.S. EXHAUST/CENTRE INLET ... ..                                | 2  |  |
| 25 | E9782   | ROCKER LEVER, EXHAUST D.S. ... ..                                             | 1  |  |
| 26 | E9781   | ROCKER LEVER, INLET D.S. ... ..                                               | 1  |  |
| 27 | E7651   | Ball pin ... ..                                                               | 6  |  |
| 28 | E8783   | Adjusting pin ... ..                                                          | 6  |  |
| 29 | 14-0402 | Locknut ... ..                                                                | 6  |  |
| 30 | E1574   | Thackeray washer ... ..                                                       | 6  |  |
| 31 | E1575   | Plain washer ... ..                                                           | 12 |  |
| 32 | S550    | Dome nut ... ..                                                               | 2  |  |
| 33 | E6564   | Inspection cover, exhaust ... ..                                              | 1  |  |
| 34 | E6563   | Inspection cover, inlet ... ..                                                | 1  |  |
| 35 | E6565   | Gasket ... ..                                                                 | 2  |  |
| 36 | E9237   | Sleeve nut ... ..                                                             | 4  |  |
| 37 | E9239   | Plain washer ... ..                                                           | 4  |  |
| 38 | S25-1   | Washer ... ..                                                                 | 8  |  |
| 39 | E8820   | Bolt, short rockerbox to barrel ( $\frac{5}{16}$ " x $4\frac{1}{4}$ ") ... .. | 4  |  |
| 40 | E9240   | Washer ... ..                                                                 | 8  |  |
| 41 | 14-6211 | Bolt, rocker box to head (3 in. U.H.) ( $\frac{1}{4}$ " x 3") ... ..          | 4  |  |
| 42 | E8819   | Bolt, long rocker box to barrel ( $\frac{5}{16}$ " x $4\frac{1}{2}$ ")... ..  | 2  |  |
| 43 | E10280  | Bolt, torque stay, rocker box to barrel ( $5\frac{1}{32}$ in.) ... ..         | 2  |  |
| 44 | 14-0303 | Nut ... ..                                                                    | 4  |  |
| 45 | F2184   | Washer ... ..                                                                 | 4  |  |
| 46 | E9274   | Rocker pipe ... ..                                                            | 1  |  |
| 47 | E6353   | Connecting tube ... ..                                                        | 1  |  |
| 48 | E9271   | Oil feed pipe ... ..                                                          | 1  |  |
| 49 | S550    | Dome nut ... ..                                                               | 2  |  |

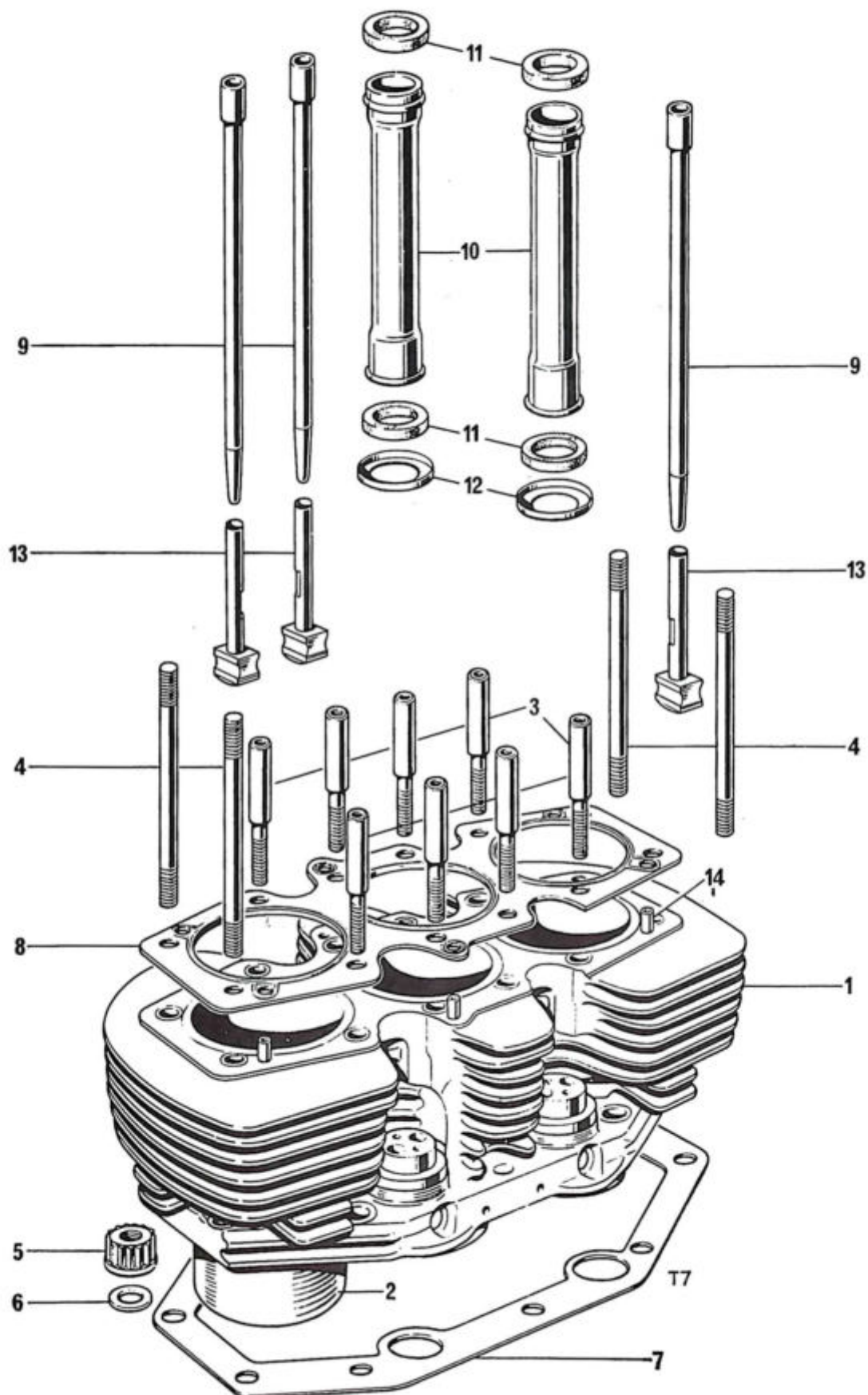
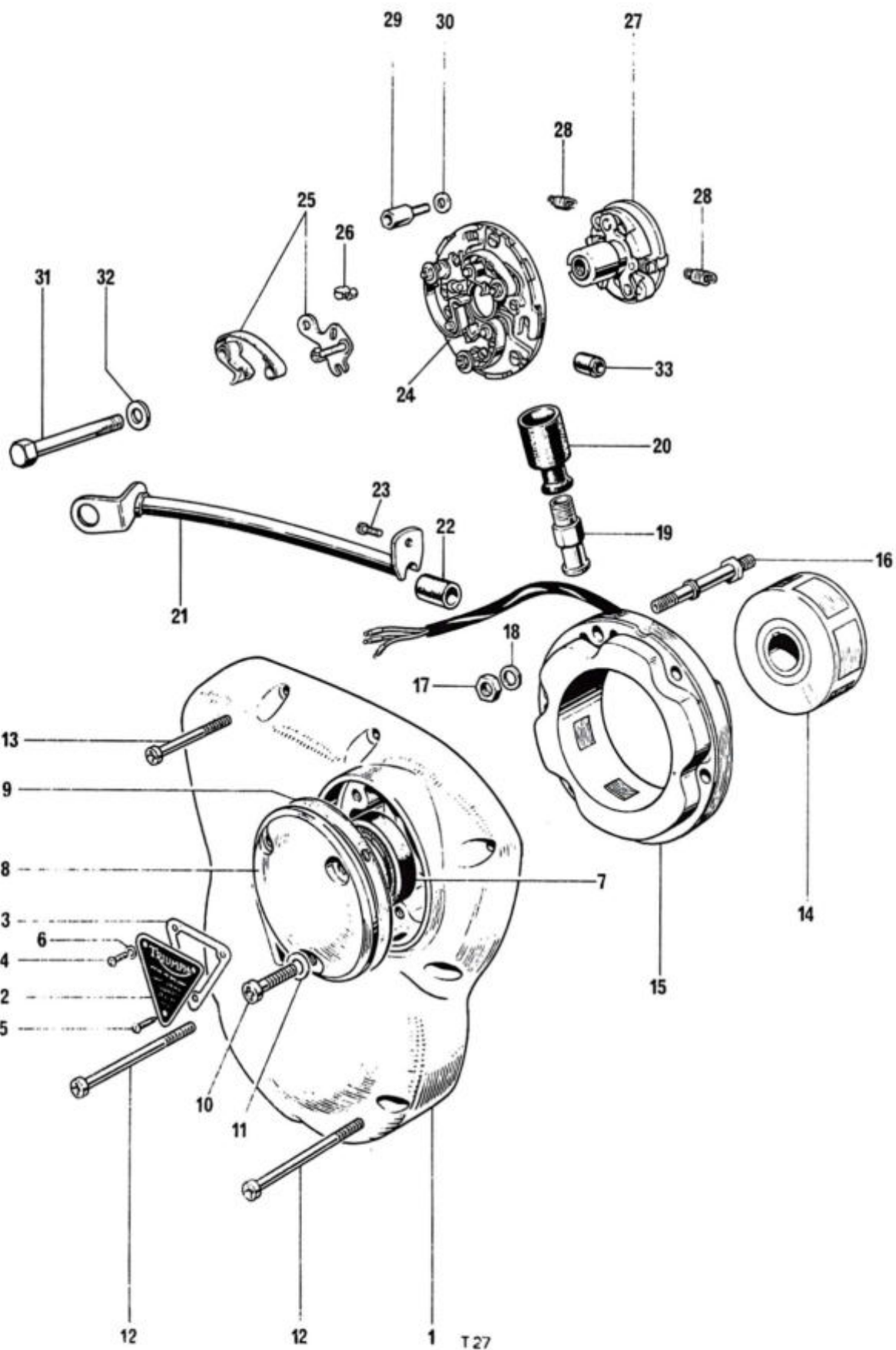


Fig. 5. CYLINDER BARREL, PUSH ROD AND TUBES, TAPPETS

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

### CYLINDER BARREL, PUSH RODS AND TUBES, TAPPET BLOCKS

|    |       |                                                 |     |     |     |     |    |
|----|-------|-------------------------------------------------|-----|-----|-----|-----|----|
| 1  | E6529 | CYLINDER BARREL C/W LINERS                      | ... | ... | ... | ... | 1  |
| 2  | E8914 | Cylinder liner                                  | ... | ... | ... | ... | 3  |
| 3  | E8817 | Pillar stud                                     | ... | ... | ... | ... | 8  |
| 4  | S686  | Stud, barrel to head ( $4\frac{5}{8}$ in. O.A.) | ... | ... | ... | ... | 4  |
| 5  | S692  | Base nut (12 point)                             | ... | ... | ... | ... | 10 |
| 6  | GS308 | Washer                                          | ... | ... | ... | ... | 10 |
| 7  | E6496 | Cylinder base gasket                            | ... | ... | ... | ... | 1  |
| 8  | E9972 | Cylinder head gasket                            | ... | ... | ... | ... | 1  |
| 9  | E6506 | Push rod                                        | ... | ... | ... | ... | 6  |
| 10 | E6955 | Push rod tube                                   | ... | ... | ... | ... | 4  |
| 11 | E4752 | Sealing rubber                                  | ... | ... | ... | ... | 8  |
| 12 | E4746 | Bottom cup                                      | ... | ... | ... | ... | 4  |
| 13 | E8917 | Tappet                                          | ... | ... | ... | ... | 6  |
| 14 | E1532 | Dowel                                           | ... | ... | ... | ... | 6  |



**Fig. 6. TIMING COVER AND CONTACT BREAKER**

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

### TIMING COVER AND CONTACT BREAKER

|    |         |                                                                  |   |  |
|----|---------|------------------------------------------------------------------|---|--|
| 1  | E6432   | Timing cover ... ..                                              | 1 |  |
| 2  | E8762   | Cover, timing aperture ... ..                                    | 1 |  |
| 3  | E8761   | Joint washer ... ..                                              | 1 |  |
| 4  | E10007  | Screw ( $\frac{5}{16}$ in. U.H.) ... ..                          | 2 |  |
| 5  | E10006  | Pointer screw ... ..                                             | 1 |  |
| 6  | E9266   | Washer ... ..                                                    | 3 |  |
| 7  | E4568   | Oil seal ... ..                                                  | 1 |  |
| 8  | E6519   | C:B. cover ... ..                                                | 1 |  |
| 9  | E6572   | Gasket C:B. cover ... ..                                         | 1 |  |
| 10 | F4715   | Screw ( $\frac{1}{2}$ in. U.H.) ... ..                           | 3 |  |
| 11 | GS299   | Washer ... ..                                                    | 3 |  |
| 12 | 14-6612 | Screw (2" U.H.) ... ..                                           | 3 |  |
| 13 | 14-6608 | Screw (1" U.H.) ... ..                                           | 6 |  |
| 14 | 99-1012 | Rotor 54210937 ... ..                                            | 1 |  |
| 15 | 99-1016 | Stator 47209 ... ..                                              | 1 |  |
| 16 | E6522   | Stud, alternator mounting ... ..                                 | 3 |  |
| 17 | S677    | Nut, alternator mounting ... ..                                  | 3 |  |
| 18 | S25-3   | Washer ... ..                                                    | 3 |  |
| 19 | E8760   | Cable seal nut ... ..                                            | 1 |  |
| 20 | E4144   | Grommet ... ..                                                   | 1 |  |
| 21 | E8757   | Cover, alternator leads ... ..                                   | 1 |  |
| 22 | E8756   | Rubber ferrule ... ..                                            | 1 |  |
| 23 | H916    | Screw, lead cover to crankcase ( $\frac{3}{16}$ in. U.H.) ... .. | 1 |  |
| 24 | 99-1013 | CONTACT BREAKER 7CA 54419327 ... ..                              | 1 |  |
| 25 | 99-1014 | Contact set 54419828 ... ..                                      | 3 |  |
| 26 | 99-0769 | Adjusting screw 54419220 ... ..                                  | 3 |  |
| 27 | 99-1015 | AUTO ADVANCE UNIT 54419867 ... ..                                | 1 |  |
| 28 | 99-0757 | Spring 54415642 ... ..                                           | 2 |  |
| 29 | E6521   | Pillar bolt ... ..                                               | 3 |  |
| 30 | E6559   | Washer ... ..                                                    | 3 |  |
| 31 | 14-0208 | Bolt C.B. cam to camshaft ( $2\frac{1}{4}$ " U.H.) ... ..        | 1 |  |
| 32 | S25-43  | Washer ... ..                                                    | 1 |  |
| 33 | E8756   | Grommet ... ..                                                   | 1 |  |

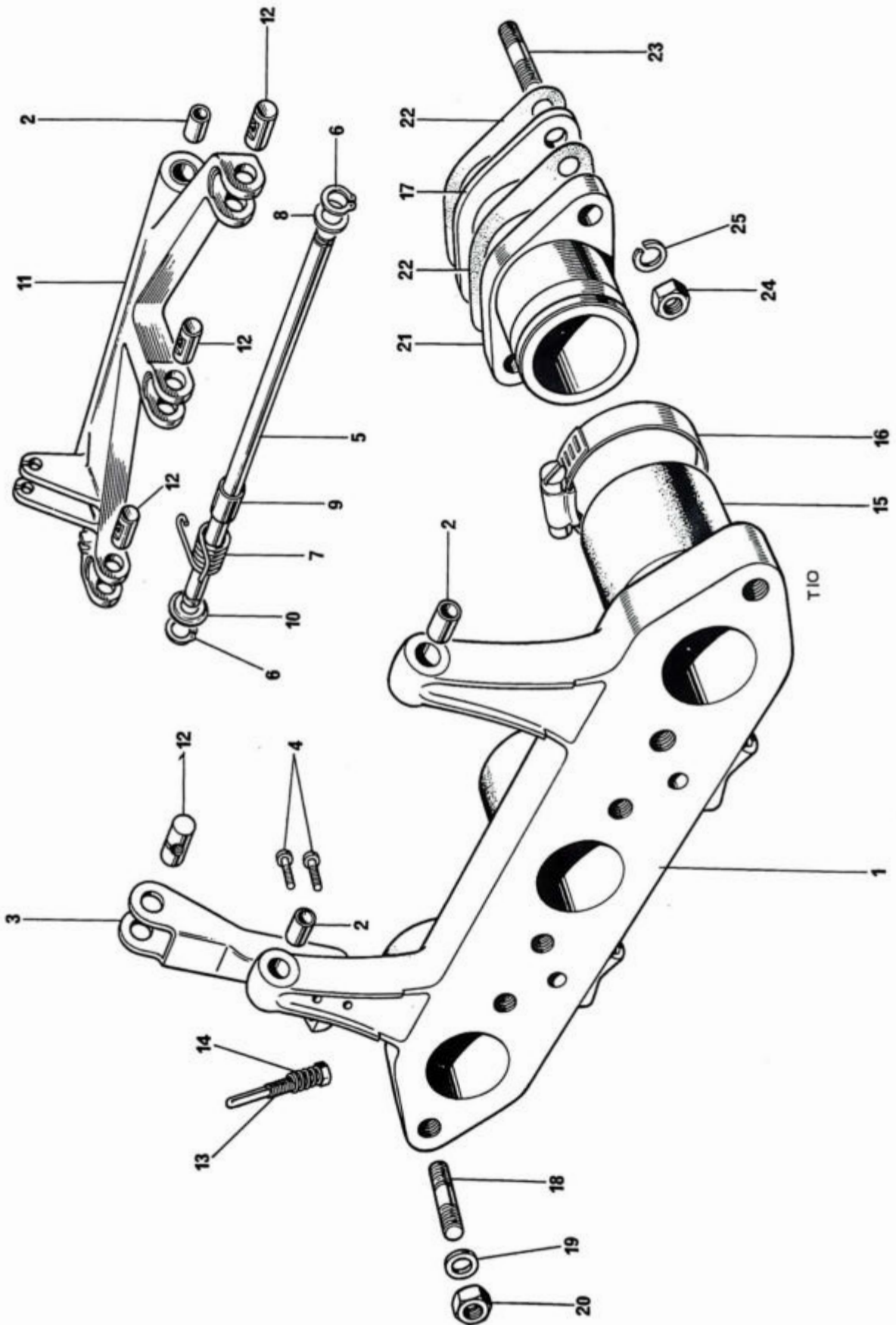


FIG. 7. MANIFOLD AND THROTTLE LINKAGE

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

### MANIFOLD AND THROTTLE LINKAGE

|    |         |                                               |     |     |     |     |     |     |   |
|----|---------|-----------------------------------------------|-----|-----|-----|-----|-----|-----|---|
| 1  | E7633   | ADAPTOR c/w BUSHES                            | ... | ... | ... | ... | ... | ... | 1 |
| 2  | E9073   | Bush                                          | ... | ... | ... | ... | ... | ... | 4 |
| 3  | E9242   | Support arm                                   | ... | ... | ... | ... | ... | ... | 1 |
| 4  | S774    | Screw self-tapping ( $\frac{5}{16}$ in. U.H.) | ... | ... | ... | ... | ... | ... | 2 |
| 5  | E9251   | Spindle                                       | ... | ... | ... | ... | ... | ... | 1 |
| 6  | E9255   | Circlip                                       | ... | ... | ... | ... | ... | ... | 2 |
| 7  | E9880   | Return spring                                 | ... | ... | ... | ... | ... | ... | 1 |
| 8  | F10245  | Washer                                        | ... | ... | ... | ... | ... | ... | 1 |
| 9  | E9820   | Spacer                                        | ... | ... | ... | ... | ... | ... | 1 |
| 10 | E9821   | Retaining cup                                 | ... | ... | ... | ... | ... | ... | 1 |
| 11 | E9241   | Operating arm                                 | ... | ... | ... | ... | ... | ... | 1 |
| 12 | E9243   | Trunnion                                      | ... | ... | ... | ... | ... | ... | 4 |
| 13 | E9252   | Screw                                         | ... | ... | ... | ... | ... | ... | 1 |
| 14 | E9254   | Spring                                        | ... | ... | ... | ... | ... | ... | 1 |
| 15 | E9060   | Rubber sleeve                                 | ... | ... | ... | ... | ... | ... | 3 |
| 16 | D707    | Jubilee type clip                             | ... | ... | ... | ... | ... | ... | 6 |
| 17 | E8981   | Insulating block                              | ... | ... | ... | ... | ... | ... | 3 |
| 18 | S673    | Stud carburetter ( $1\frac{1}{4}$ " O.A.)     | ... | ... | ... | ... | ... | ... | 6 |
| 19 | S25-3   | Washer                                        | ... | ... | ... | ... | ... | ... | 6 |
| 20 | 14-0302 | Nut, carburetter fixing                       | ... | ... | ... | ... | ... | ... | 6 |
| 21 | E9057   | Stub, cylinder head                           | ... | ... | ... | ... | ... | ... | 3 |
| 22 | E8784   | Joint washer, stub to head                    | ... | ... | ... | ... | ... | ... | 3 |
| 23 | S557    | Stud ( $1\frac{5}{16}$ " O.A.)                | ... | ... | ... | ... | ... | ... | 6 |
| 24 | 14-0301 | Nut, cylinder head                            | ... | ... | ... | ... | ... | ... | 6 |
| 25 | S25-13  | Washer                                        | ... | ... | ... | ... | ... | ... | 6 |

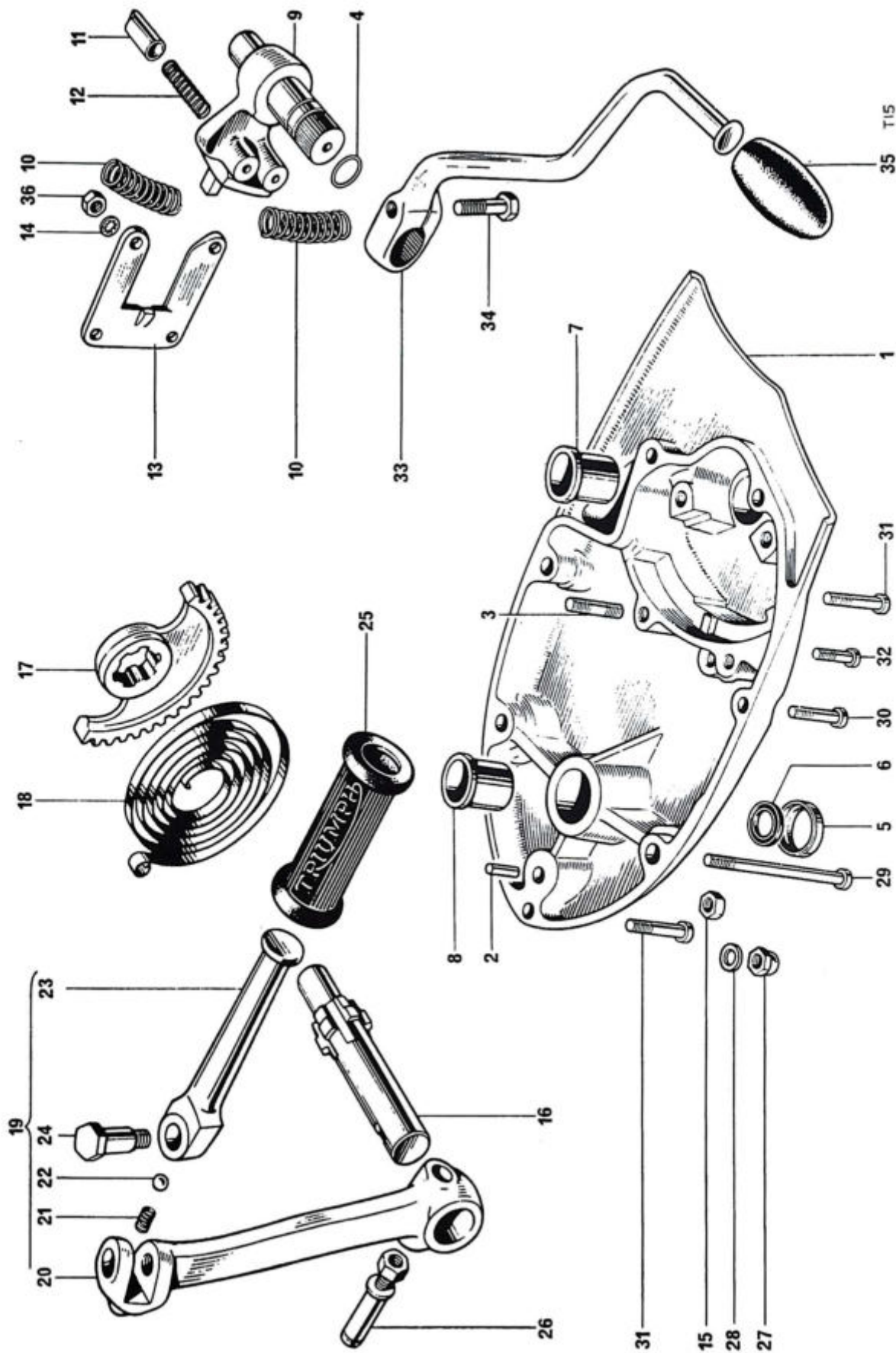
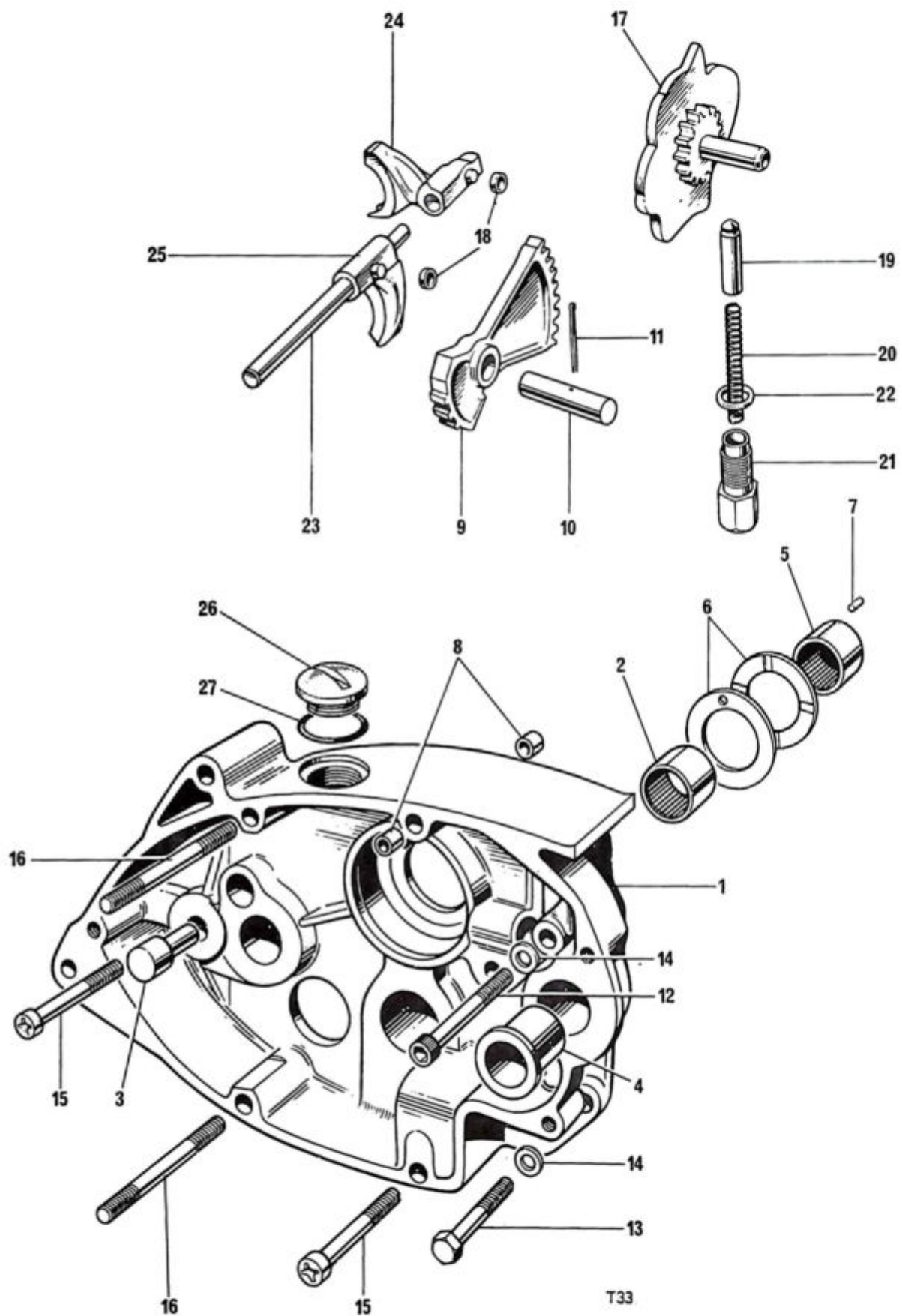


Fig. 8. GEARBOX OUTER COVER

| Ref. No.                   | Part No. | DESCRIPTION                                      | QUANTITY | REMARKS |
|----------------------------|----------|--------------------------------------------------|----------|---------|
| <b>GEARBOX OUTER COVER</b> |          |                                                  |          |         |
| 1                          | T3750    | GEARBOX OUTER COVER                              | 1        |         |
| 2                          | T47      | Kickstart anchor peg                             | 1        |         |
| 3                          | S547     | Stud guide plate ( $\frac{7}{8}$ in. O.A.)       | 4        |         |
| 4                          | E3309    | Sealing Ring                                     | 1        |         |
| 5                          | T1955    | Housing, oil seal                                | 1        |         |
| 6                          | T1956    | Oil seal                                         | 1        |         |
| 7                          | T57      | Bush (F/C Spindle)                               | 1        |         |
| 8                          | T23      | Bush (K/S Spindle)                               | 1        |         |
| 9                          | T408/9   | Plunger quadrant                                 | 1        |         |
| 10                         | T404     | Spring                                           | 2        |         |
| 11                         | T406     | Plunger                                          | 2        |         |
| 12                         | T405     | Spring                                           | 2        |         |
| 13                         | T407     | Guide plate                                      | 1        |         |
| 14                         | E1612    | Washer                                           | 4        |         |
| 15                         | 14-0302  | Nut                                              | 4        |         |
| 16                         | T24A     | Kickstart axle shaft                             | 1        |         |
| 17                         | T2169    | Kickstart quadrant                               | 1        |         |
| 18                         | T31      | Kickstart return spring                          | 1        |         |
| 19                         | T3632    | FOLDING KICKSTART COMPLETE                       | 1        |         |
| 20                         | T2173    | Crank                                            | 1        |         |
| 21                         | T1167    | Spring                                           | 1        |         |
| 22                         | S70-3    | Ball, $\frac{1}{4}$ in. dia.                     | 1        |         |
| 23                         | T1272    | Pedal                                            | 1        |         |
| 24                         | S541     | Pivot bolt                                       | 1        |         |
| 25                         | T2330    | Rubber                                           | 1        |         |
| 26                         | T1222    | Cotter pin c/w nut and washer (nut only F879)    | 1        |         |
| 27                         | S544     | Domed nut outer cover                            | 2        |         |
| 28                         | S25-3    | Washer                                           | 2        |         |
| 29                         | S1815    | Screw, outer cover long ( $4\frac{1}{4}$ " U.H.) | 1        |         |
| 30                         | 14-6609  | Screw, outer cover ( $1\frac{1}{4}$ " U.H.)      | 1        |         |
| 31                         | 14-6610  | Screw, outer cover ( $1\frac{1}{2}$ " U.H.)      | 2        |         |
| 32                         | 14-6608  | Screw, outer cover (1" U.H.)                     | 1        |         |
| 33                         | T3751    | Gearchange pedal                                 | 1        |         |
| 34                         | 14-0201  | Pinch bolt ( $1\frac{1}{2}$ in. U.H.)            | 1        |         |
| 35                         | T2450    | Rubber                                           | 1        |         |
| 36                         | 14-0301  | Nut                                              | 4        |         |



**Fig. 9. GEARBOX INNER COVER AND SELECTORS**

| Ref. No.                                 | Part No. | DESCRIPTION                                                      | QUANTITY | REMARKS                    |
|------------------------------------------|----------|------------------------------------------------------------------|----------|----------------------------|
| <b>GEARBOX INNER COVER AND SELECTORS</b> |          |                                                                  |          |                            |
| 1                                        | T2137    | INNER COVER ... ..                                               | 1        |                            |
| 2                                        | T1614    | Layshaft bearing ... ..                                          | 1        |                            |
| 3                                        | T3727    | Kickstart stop ... ..                                            | 1        |                            |
| 4                                        | T412     | Bush (F/C spindle) ... ..                                        | 1        |                            |
| 5                                        | T1606    | Layshaft, needle roller bearing ... ..                           | 1        |                            |
| 6                                        | T1607    | Thrust washer ... ..                                             | 2        |                            |
| 7                                        | T912     | Peg, L/S thrust washer ... ..                                    | 1        | (Also in crank-case group) |
| 8                                        | T989     | Dowel, inner to outer cover ... ..                               | 2        |                            |
| 9                                        | T397     | Quadrant ... ..                                                  | 1        |                            |
| 10                                       | T1896    | Quadrant spindle ... ..                                          | 1        |                            |
| 11                                       | D1928    | Split pin, $\frac{5}{8}$ in. x $1\frac{3}{8}$ in. ... ..         | 1        |                            |
| 12                                       | 14-7101  | Socket screw ( $3\frac{1}{4}$ in. U.H.) ... ..                   | 1        |                            |
| 13                                       | 14-6121  | Bolt, inner cover to crankcase ( $2\frac{1}{4}$ in. U.H.) ... .. | 1        |                            |
| 14                                       | E3446    | Washer, inner cover to crankcase ... ..                          | 2        |                            |
| 15                                       | 14-6614  | Screw inner cover to crankcase ( $2\frac{1}{2}$ in. U.H.) ... .. | 2        |                            |
| 16                                       | 14-1431  | Stud, gearbox cover ... ..                                       | 2        |                            |
| 17                                       | T3650    | Camplate ... ..                                                  | 1        |                            |
| 18                                       | NT261    | Camplate roller ... ..                                           | 2        |                            |
| 19                                       | T44      | Plunger ... ..                                                   | 1        |                            |
| 20                                       | T3661    | Plunger spring ... ..                                            | 1        |                            |
| 21                                       | T2172    | Plunger sleeve nut ... ..                                        | 1        |                            |
| 22                                       | T3978    | Washer ... ..                                                    | 1        |                            |
| 23                                       | T291     | Selector spindle ... ..                                          | 1        |                            |
| 24                                       | T260B    | Selector fork mainshaft ... ..                                   | 1        |                            |
| 25                                       | T913     | Selector fork layshaft ... ..                                    | 1        |                            |
| 26                                       | T2166    | Filler cap ... ..                                                | 1        |                            |
| 27                                       | E8782    | "O" ring ... ..                                                  | 1        |                            |

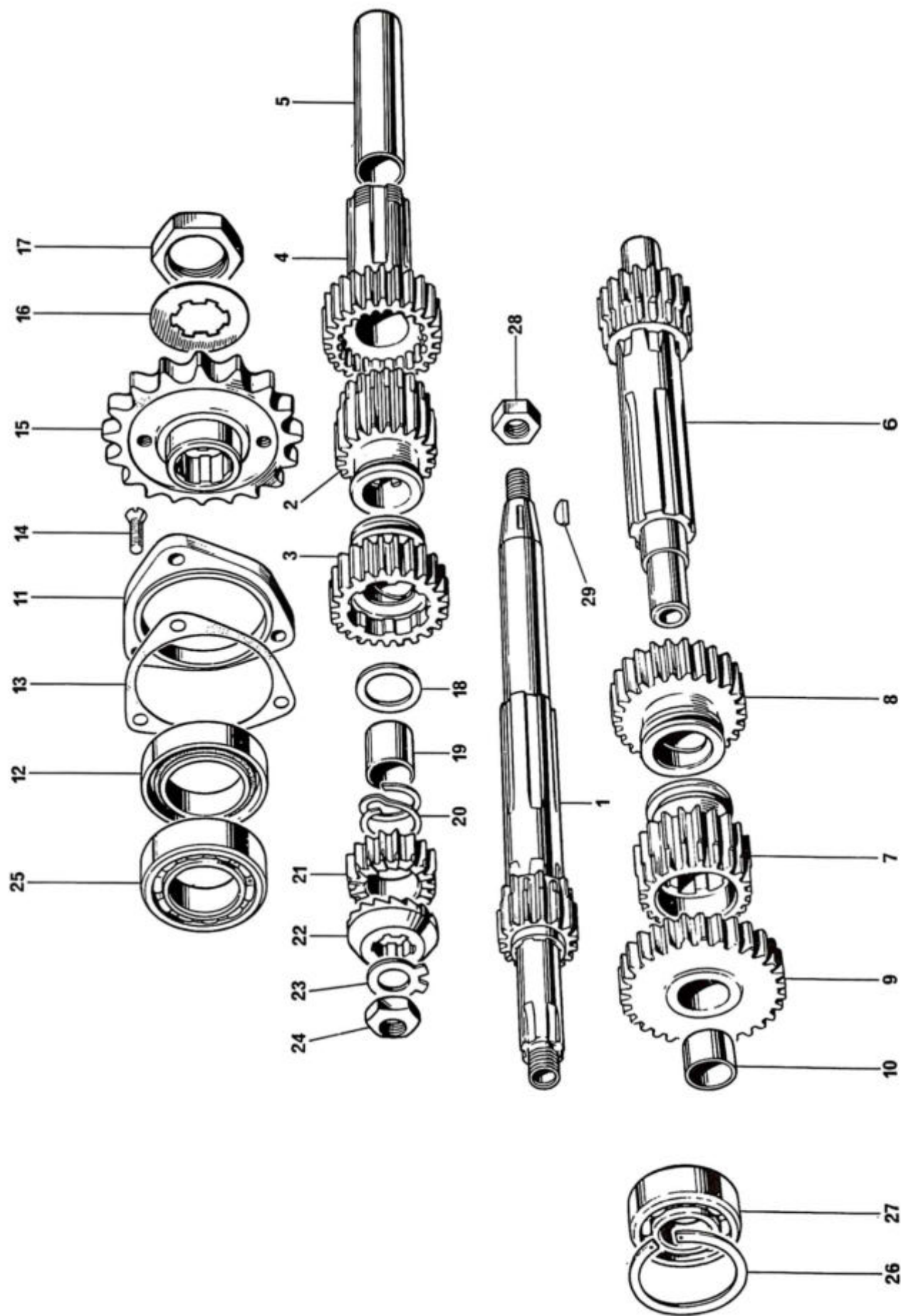


Fig. 10. GEARBOX SHAFTS AND GEARS

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

### GEARBOX SHAFTS AND GEARS

|    |         |                                        |     |     |     |     |     |     |   |
|----|---------|----------------------------------------|-----|-----|-----|-----|-----|-----|---|
| 1  | T2174   | MAINSHAFT C/W LOW GEAR                 | ... | ... | ... | ... | ... | ... | 1 |
| 2  | T3857   | MAINSHAFT 2ND GEAR                     | ... | ... | ... | ... | ... | ... | 1 |
| 3  | T3858   | MAINSHAFT 3RD GEAR                     | ... | ... | ... | ... | ... | ... | 1 |
| 4  | T2176   | MAINSHAFT HIGH GEAR                    | ... | ... | ... | ... | ... | ... | 1 |
| 5  | T3785   | High gear bush                         | ... | ... | ... | ... | ... | ... | 1 |
| 6  | T3864   | LAYSHAFT C/W HIGH GEAR                 | ... | ... | ... | ... | ... | ... | 1 |
| 7  | T3860   | LAYSHAFT 3RD GEAR                      | ... | ... | ... | ... | ... | ... | 1 |
| 8  | T3861   | LAYSHAFT 2ND GEAR                      | ... | ... | ... | ... | ... | ... | 1 |
| 9  | T3862   | LAYSHAFT LOW GEAR                      | ... | ... | ... | ... | ... | ... | 1 |
| 10 | T928    | Low gear bush                          | ... | ... | ... | ... | ... | ... | 1 |
| 11 | T2153   | Housing, high gear oil seal            | ... | ... | ... | ... | ... | ... | 1 |
| 12 | T3634   | Oil seal high gear                     | ... | ... | ... | ... | ... | ... | 1 |
| 13 | T2165   | Gasket, high gear oil seal housing     | ... | ... | ... | ... | ... | ... | 1 |
| 14 | 14-6610 | Fixing screw ( $\frac{5}{8}$ in. U.H.) | ... | ... | ... | ... | ... | ... | 3 |
| 15 | T1918   | Gearbox sprocket 19T                   | ... | ... | ... | ... | ... | ... | 1 |
| 16 | T2116   | Tab washer                             | ... | ... | ... | ... | ... | ... | 1 |
| 17 | S542    | Locknut sprocket                       | ... | ... | ... | ... | ... | ... | 1 |
| 18 | T1962   | Kickstart pinion washer                | ... | ... | ... | ... | ... | ... | 1 |
| 19 | T1963   | Kickstart pinion sleeve                | ... | ... | ... | ... | ... | ... | 1 |
| 20 | T1250   | Kickstart pinion spring                | ... | ... | ... | ... | ... | ... | 1 |
| 21 | T2170   | Kickstart pinion                       | ... | ... | ... | ... | ... | ... | 1 |
| 22 | T731    | Kickstart ratchet                      | ... | ... | ... | ... | ... | ... | 1 |
| 23 | T732    | Tab washer mainshaft nut               | ... | ... | ... | ... | ... | ... | 1 |
| 24 | S594    | Nut, mainshaft                         | ... | ... | ... | ... | ... | ... | 1 |
| 25 | T448    | High gear bearing                      | ... | ... | ... | ... | ... | ... | 1 |
| 26 | T280    | Bearing circlip                        | ... | ... | ... | ... | ... | ... | 1 |
| 27 | T3621   | Mainshaft bearing                      | ... | ... | ... | ... | ... | ... | 1 |
| 28 | S681    | Nut, clutch hub to mainshaft           | ... | ... | ... | ... | ... | ... | 1 |
| 29 | S66-1   | Key                                    | ... | ... | ... | ... | ... | ... | 1 |

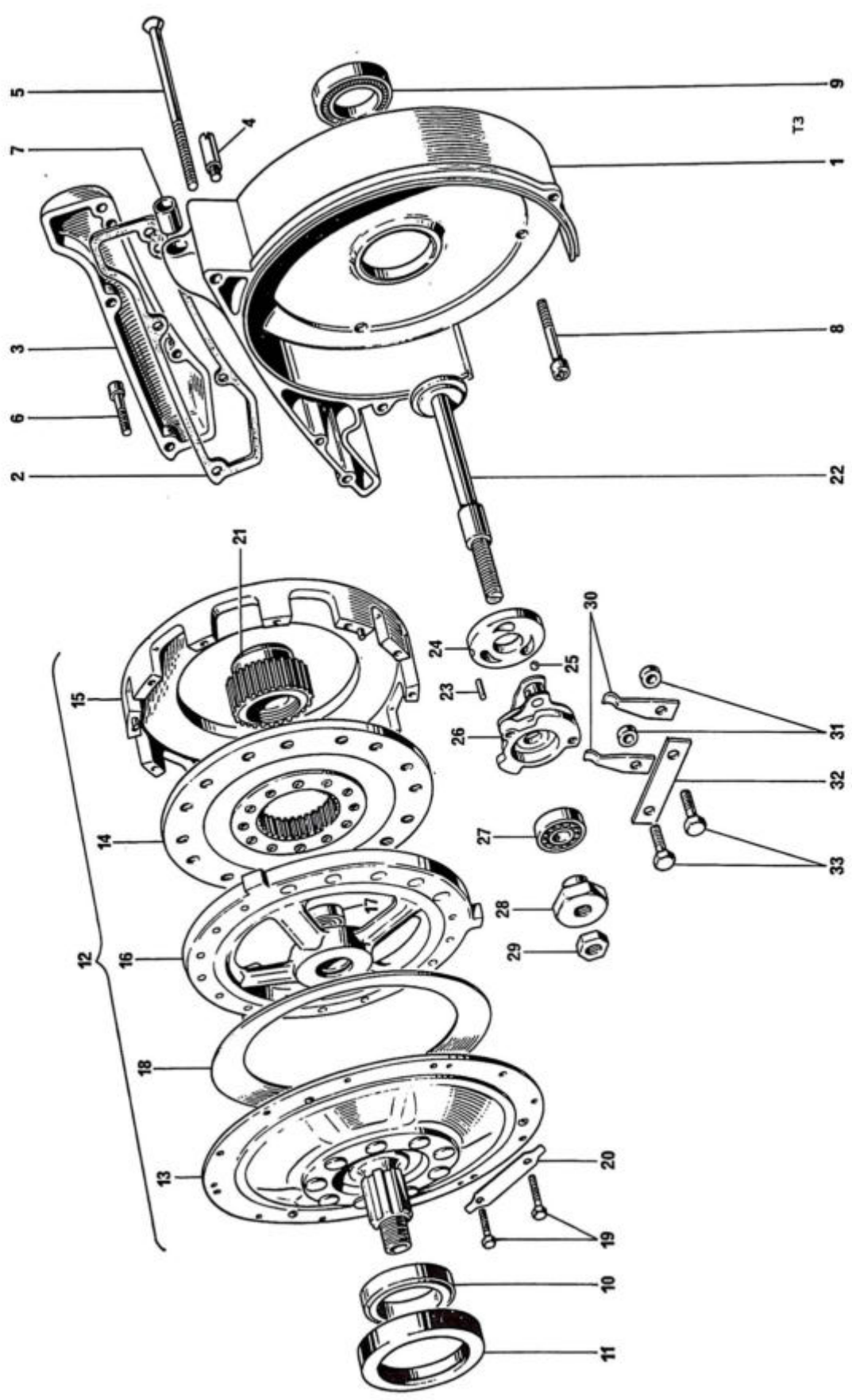


Fig. 11. CLUTCH AND CLUTCH OPERATING MECHANISM

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

### CLUTCH AND CLUTCH OPERATING MECHANISM

|    |         |                                                             |    |  |
|----|---------|-------------------------------------------------------------|----|--|
| 1  | T2554   | Clutch cover ... ..                                         | 1  |  |
| 2  | T2556   | Joint washer ... ..                                         | 1  |  |
| 3  | T2555   | Cover, breather duct ... ..                                 | 1  |  |
| 4  | T3756   | Adaptor ... ..                                              | 1  |  |
| 5  | 14-6510 | Screw, long, cover to crankcase (4 in. U.H.) ... ..         | 1  |  |
| 6  | S680    | Screw short cover to crankcase ( $\frac{1}{8}$ in.) ... ..  | 3  |  |
| 7  | T2557   | Tube ... ..                                                 | 1  |  |
| 8  | 14-6610 | Screw cover to crankcase ( $1\frac{1}{2}$ in.) ... ..       | 3  |  |
| 9  | T3642   | Oil seal cover to mainshaft ... ..                          | 1  |  |
| 10 | T2479   | Sleeve, shaft oil seal ... ..                               | 1  |  |
| 11 | T3642   | Oil seal clutch shaft ... ..                                | 1  |  |
| 12 | T2562   | CLUTCH ASSEMBLY (BORG & BECK 76183) ... ..                  | 1  |  |
| 13 | T3705   | End cover, assembly (BORG & BECK 76169) ... ..              | 1  |  |
| 14 | T3709   | Driven plate assembly (BORG & BECK 53273) ... ..            | 1  |  |
| 15 | T3708   | Drive ring (BORG & BECK 76167) ... ..                       | 1  |  |
| 16 | T3715   | Pressure plate (BORG & BECK 76184) ... ..                   | 1  |  |
| 17 | T3717   | Thrust bearing (BORG & BECK 76168) ... ..                   | 1  |  |
| 18 | T3718   | Diaphragm spring red (BORG & BECK 75303/13) ... ..          | 1  |  |
| 19 | T3719   | Bolt end cover to housing (BORG & BECK K26904) ... ..       | 12 |  |
| 20 | T3720   | Tab washer, end cover to housing (BORG & BECK 76170) ... .. | 6  |  |
| 21 | T2580   | Clutch hub ... ..                                           | 1  |  |
| 22 | T2552   | Pull rod clutch release ... ..                              | 1  |  |
| 23 | T3640   | Peg, outer chaincase (for clutch operation) ... ..          | 1  |  |
| 24 | T2465   | Thrust plate inner ... ..                                   | 1  |  |
| 25 | S70-3   | Ball, $\frac{1}{4}$ in. dia. ... ..                         | 3  |  |
| 26 | T2547   | Clutch lever complete ... ..                                | 1  |  |
| 27 | T3647   | Bearing, outer thrust plate ... ..                          | 1  |  |
| 28 | T2553   | Sleeve nut ... ..                                           | 1  |  |
| 29 | 14-0402 | Locknut ... ..                                              | 1  |  |
| 30 | T2473   | Spring, outer thrust plate ... ..                           | 2  |  |
| 31 | T3638   | Distance piece, outer thrust plate ... ..                   | 2  |  |
| 32 | T2474   | Tab washer ... ..                                           | 1  |  |
| 33 | 14-6102 | Bolt ( $\frac{1}{2}$ in. U.H.) ... ..                       | 2  |  |

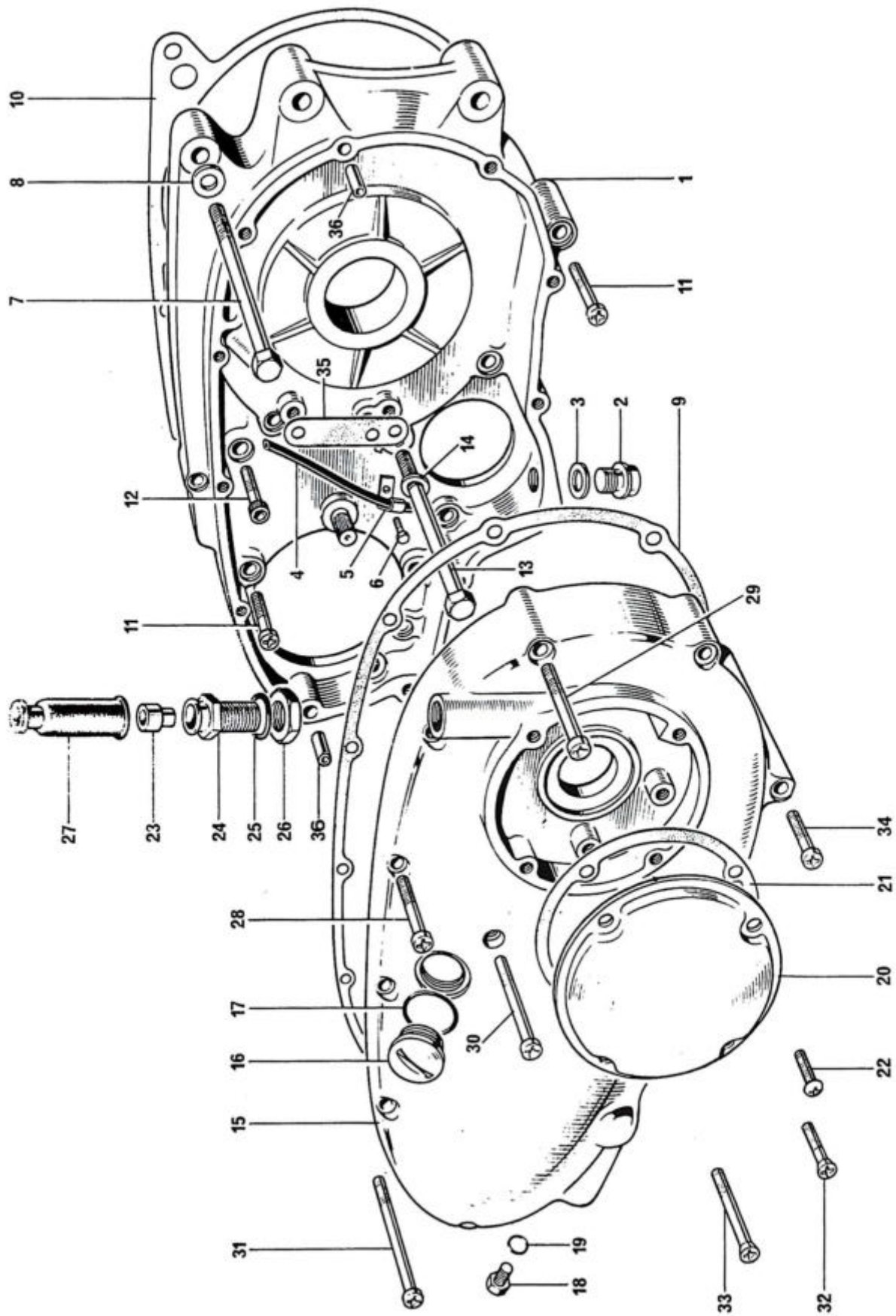
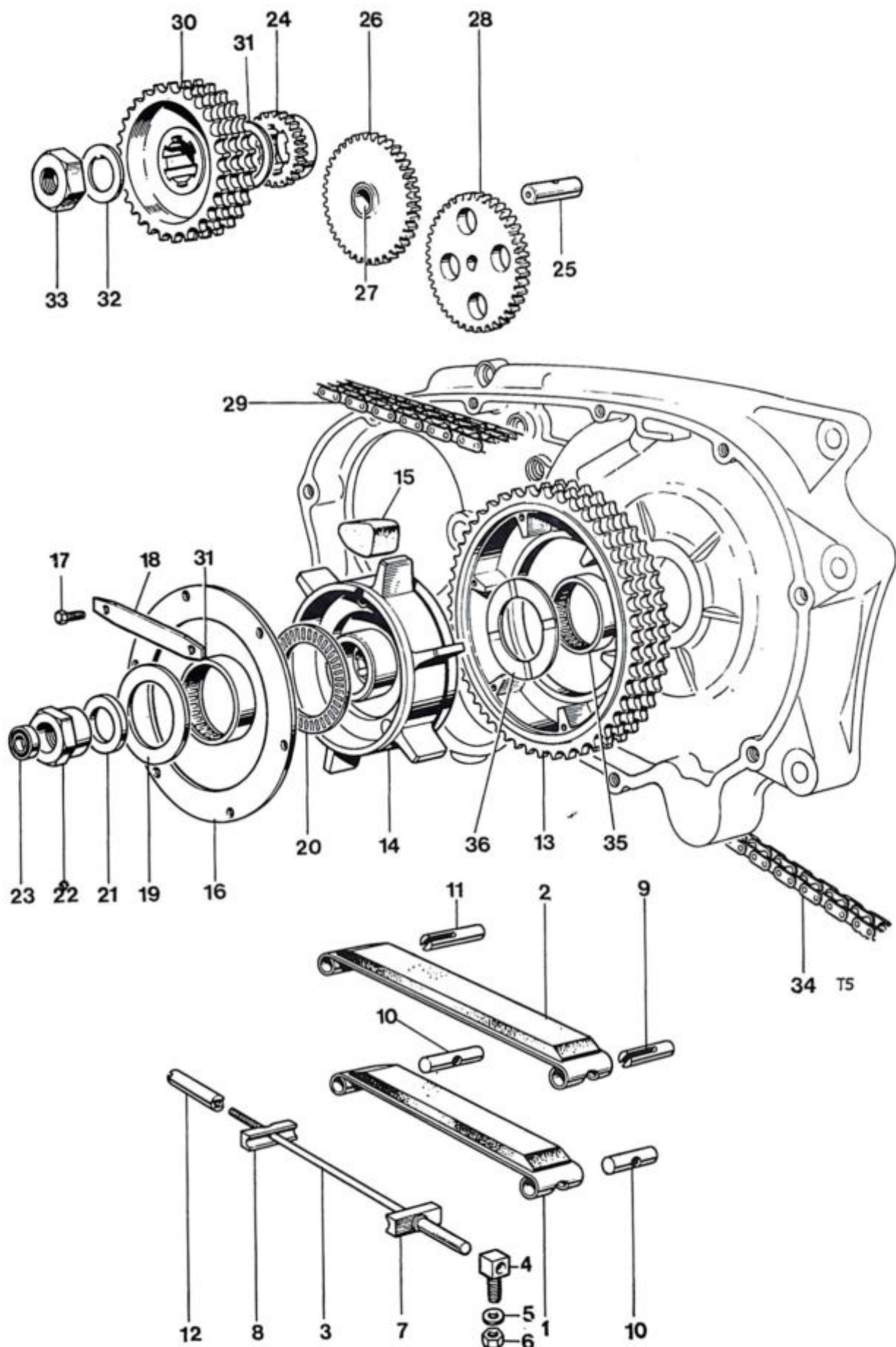


Fig. 12. INNER AND OUTER CHAINCASE

| Ref. No.                         | Part No. | DESCRIPTION                                                | QUANTITY | REMARKS |
|----------------------------------|----------|------------------------------------------------------------|----------|---------|
| <b>INNER AND OUTER CHAINCASE</b> |          |                                                            |          |         |
| 1                                | T2460    | Inner primary chaincase                                    | 1        |         |
| 2                                | S536     | Drain plug                                                 | 1        |         |
| 3                                | E402     | Washer                                                     | 1        |         |
| 4                                | E8786    | Tube, chain oiler                                          | 1        |         |
| 5                                | E4705    | Clip, chain oiler—tube                                     | 1        |         |
| 6                                | 14-6101  | Bolt, clip ( $\frac{1}{2}$ in. U.H.)                       | 1        |         |
| 7                                | S1819    | Bolt, long ( $4\frac{1}{4}$ in. U.H.)                      | 1        |         |
| 8                                | S25-3    | Washer                                                     | 1        |         |
| 9                                | T2581    | Joint washer inner to outer chaincase                      | 1        |         |
| 10                               | T2558    | Gasket inner case to chaincase                             | 1        |         |
| 11                               | 14-6606  | Screw, short (1 in. U.H.)                                  | 2        |         |
| 12                               | 14-7006  | Socket screw (1 in. U.H.)                                  | 7        |         |
| 13                               | S1820    | Bolt ( $4\frac{1}{4}$ in. U.H.)                            | 1        |         |
| 14                               | S25-3    | Washer                                                     | 1        |         |
| 15                               | T3953    | Outer primary chaincase                                    | 1        |         |
| 16                               | T2166    | Filler plug                                                | 1        |         |
| 17                               | E8782    | "O" ring                                                   | 1        |         |
| 18                               | T3619    | Tensioner adjuster plug                                    | 1        |         |
| 19                               | T3620    | "O" ring                                                   | 1        |         |
| 20                               | T3954    | Inspection cover                                           | 1        |         |
| 21                               | T3955    | Inspection cover gasket                                    | 1        |         |
| 22                               | 14-6605  | Screw, inspection cover ( $\frac{5}{8}$ in. U.H.)          | 4        |         |
| 23                               | T2220    | Clutch cable abutment                                      | 1        |         |
| 24                               | T1645    | Adaptor                                                    | 1        |         |
| 25                               | T3733    | Sealing Ring                                               | 1        |         |
| 26                               | S567     | Locknut                                                    | 1        |         |
| 27                               | T1646    | Rubber cap                                                 | 1        |         |
| 28                               | 14-6611  | Screw, outer to inner chaincase ( $1\frac{3}{4}$ in. U.H.) | 7        |         |
| 29                               | 14-6612  | Screw, outer to inner chaincase (2 in. U.H.)               | 1        |         |
| 30                               | 14-6613  | Screw, long outer to inner chaincase ( $2\frac{1}{4}$ in.) | 2        |         |
| 31                               | 14-6615  | Screw, outer to inner chaincase (3 in. U.H.)               | 1        |         |
| 32                               | 14-6504  | Screw, short countersunk ( $\frac{3}{4}$ in. U.H.)         | 2        |         |
| 33                               | 14-6510  | Screw, longer countersunk (2 in. U.H.)                     | 1        |         |
| 34                               | 14-6610  | Screw, short, chaincase ( $1\frac{1}{2}$ in. U.H.)         | 1        |         |
| 35                               | T2244    | Joint washer                                               | 1        |         |
| 36                               | T989     | Dowel                                                      | 2        |         |



**Fig. 13. PRIMARY TRANSMISSION AND OIL PUMP DRIVE**

| Ref. No.                                       | Part No. | DESCRIPTION                                    | QUANTITY    | REMARKS |
|------------------------------------------------|----------|------------------------------------------------|-------------|---------|
| <b>PRIMARY TRANSMISSION AND OIL PUMP DRIVE</b> |          |                                                |             |         |
| 1                                              | T3610    | Tensioner blade ... ..                         | 1           |         |
| 2                                              | E6061    | Tensioner blade ... ..                         | 1           |         |
| 3                                              | T3983    | Tie rod ... ..                                 | 1           |         |
| 4                                              | T3986    | Eye bolt ... ..                                | 1           |         |
| 5                                              | T3987    | Washer ... ..                                  | 1           |         |
| 6                                              | 14-1901  | Nut ... ..                                     | 1           |         |
| 7                                              | E9257    | Saddle washer (rear) ... ..                    | 1           |         |
| 8                                              | E9258    | Saddle washer (adjuster end) ... ..            | 1           |         |
| 9                                              | E9256    | Trunnion ... ..                                | 1           |         |
| 10                                             | E5977    | Trunnion ... ..                                | 2           |         |
| 11                                             | T3614    | Pivot pin... ..                                | 1           |         |
| 12                                             | T3617    | Adjuster nut ... ..                            | 1           |         |
| 13                                             | T2245    | Clutch sprocket ... ..                         | 1           |         |
| 14                                             | T2471    | Spider ... ..                                  | 1           |         |
| 15                                             | T1723    | Shock absorber rubber ... ..                   | 1           |         |
| 16                                             | T4004    | Retaining plate ... ..                         | 1           |         |
| 17                                             | T3940    | Bolt, retaining plate ... ..                   | 6           |         |
| 18                                             | T3941    | Tab washer ... ..                              | 3           |         |
| 19                                             | T2215    | Outer thrust washer, clutch shaft ... ..       | 1           |         |
| 20                                             | T3646    | Thrust race ... ..                             | 1           |         |
| 21                                             | T2478    | Spacer, shock absorber nut ... ..              | 1           |         |
| 22                                             | T2480    | Nut ... ..                                     | 1           |         |
| 23                                             | T3644    | Oil seal ... ..                                | 1           |         |
| 24                                             | E7248    | Driven gear ... ..                             | 1           |         |
| 25                                             | E6881    | Spindle, intermediate gear ... ..              | 1           |         |
| 26                                             | E7246    | INTERMEDIATE GEAR C/W BUSH ... ..              | 1           |         |
| 27                                             | E6885    | Bush ... ..                                    | 1           |         |
| 28                                             | E7249    | Oil pump driving gear ... ..                   | 1           |         |
| 29                                             | D699     | Primary chain, triple row, 82 links ... ..     | 1           |         |
| 30                                             | E6890    | Engine sprocket ... ..                         | 1           |         |
| 31                                             | E9634    | Shim, engine sprocket (0.010 in. thick) ... .. | as required |         |
| 32                                             | E8785    | Tab washer ... ..                              | 1           |         |
| 33                                             | S585     | Nut, engine sprocket ... ..                    | 1           |         |
| 34                                             | D2118    | Rear chain 107 links ... ..                    | 1           |         |
| 35                                             | T3643    | Needle race ... ..                             | 2           |         |
| 36                                             | T2214    | Thrust washer, inner ... ..                    | 1           |         |

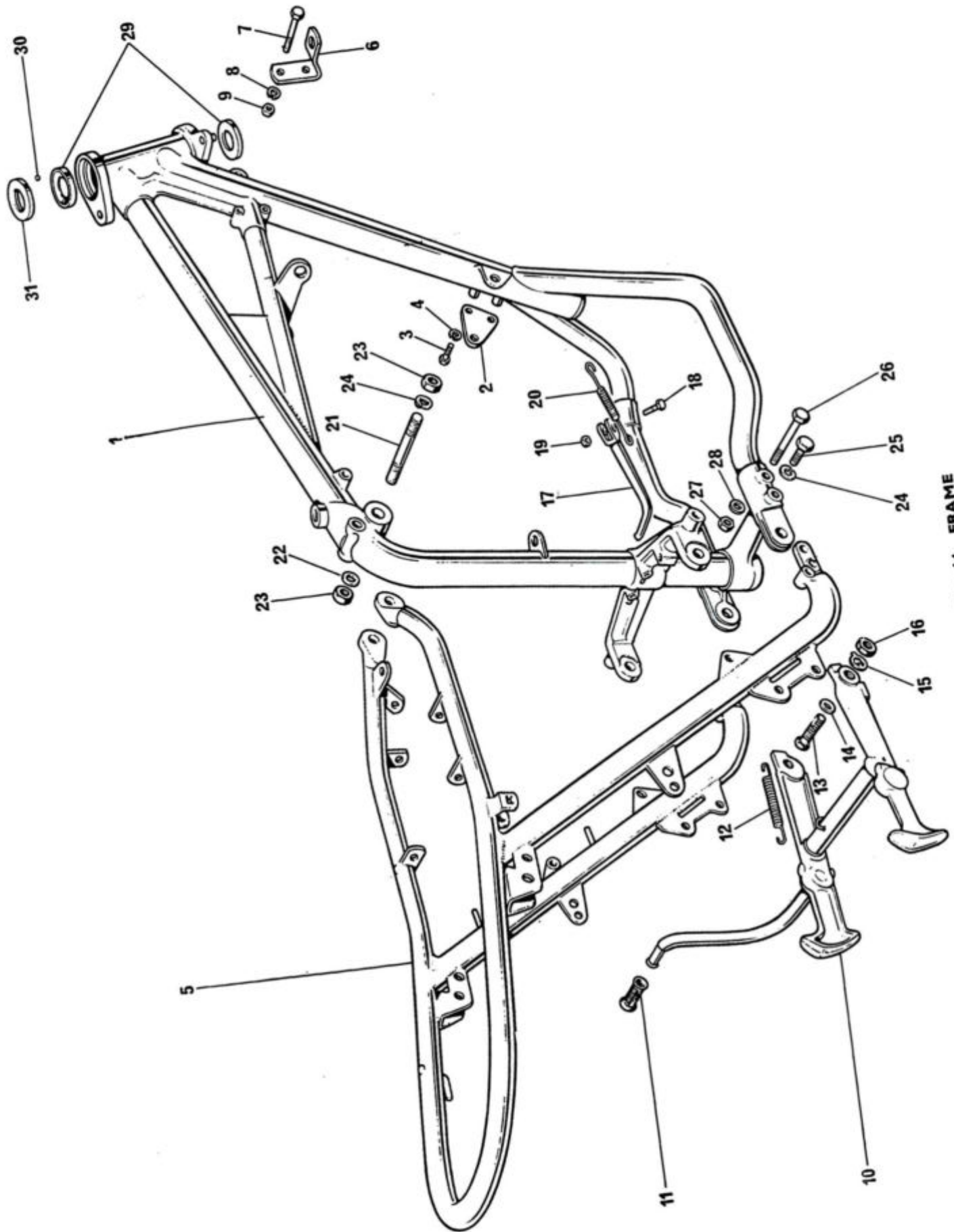


Fig. 14. FRAME

| Ref. No.     | Part No. | DESCRIPTION                                                        | QUANTITY | REMARKS |
|--------------|----------|--------------------------------------------------------------------|----------|---------|
| <b>FRAME</b> |          |                                                                    |          |         |
| 1            | F9329    | Front Frame ... ..                                                 | 1        |         |
| Not illus.   | F7155    | Lock stops ... ..                                                  | 1        |         |
| 2            | F7159    | Front D.S. engine plate ... ..                                     | 1        |         |
| 3            | 14-0126  | Bolt ( $\frac{3}{4}$ in. U.H.) ... ..                              | 2        |         |
| 4            | S26-1    | Spring washer ... ..                                               | 2        |         |
| 5            | F9330    | Rear frame ... ..                                                  | 1        |         |
| 6            | F9380    | Mounting bracket, petrol tank ... ..                               | 2        |         |
| 7            | S1805    | Bolt ( $2\frac{1}{8}$ in. U.H.) ... ..                             | 2        |         |
| 8            | S26-3    | Washer ... ..                                                      | 2        |         |
| 9            | 14-0402  | Nut ... ..                                                         | 2        |         |
| 10           | F11267   | Centre stand ... ..                                                | 1        |         |
| 11           | T2331    | Pedal rubber ... ..                                                | 1        |         |
| 12           | F4671    | Spring ... ..                                                      | 1        |         |
| 13           | S1978    | Pivot bolt ... ..                                                  | 2        |         |
| 14           | F5679    | Washer ... ..                                                      | 2        |         |
| 15           | F11270   | Tab washer ... ..                                                  | 2        |         |
| 16           | 14-0404  | Nut ... ..                                                         | 2        |         |
| 17           | F7849    | Prop stand ... ..                                                  | 1        |         |
| 18           | F7021    | Swivel pin ... ..                                                  | 1        |         |
| 19           | 14-0703  | Nut, swivel pin ... ..                                             | 1        |         |
| 20           | F8392    | Spring ... ..                                                      | 1        |         |
| 21           | S1801    | Stud, top rear to front frame ( $3\frac{7}{8}$ in.) ... ..         | 1        |         |
| 22           | S26-1    | Washer, frame ... ..                                               | 2        |         |
| 23           | 14-0303  | Nut ... ..                                                         | 2        |         |
| 24           | 99-0046  | Spring Washer ... ..                                               | 4        |         |
| 25           | S588     | Bolt, bottom rear to front frame ( $1\frac{3}{8}$ in. U.H.) ... .. | 2        |         |
| 26           | 14-0251  | Bolt, front rear to front frame ( $1\frac{1}{4}$ in.) ... ..       | 2        |         |
| 27           | 14-0304  | Nut ... ..                                                         | 2        |         |
| 28           | F4370    | Washer ... ..                                                      | 2        |         |
| 29           | H111     | Cup, top and bottom steering race ... ..                           | 2        |         |
| 30           | S70-3    | Ball, top and bottom ... ..                                        | 40       |         |
| 31           | H1018    | Top cone (c/w dust cover) ... ..                                   | 1        |         |

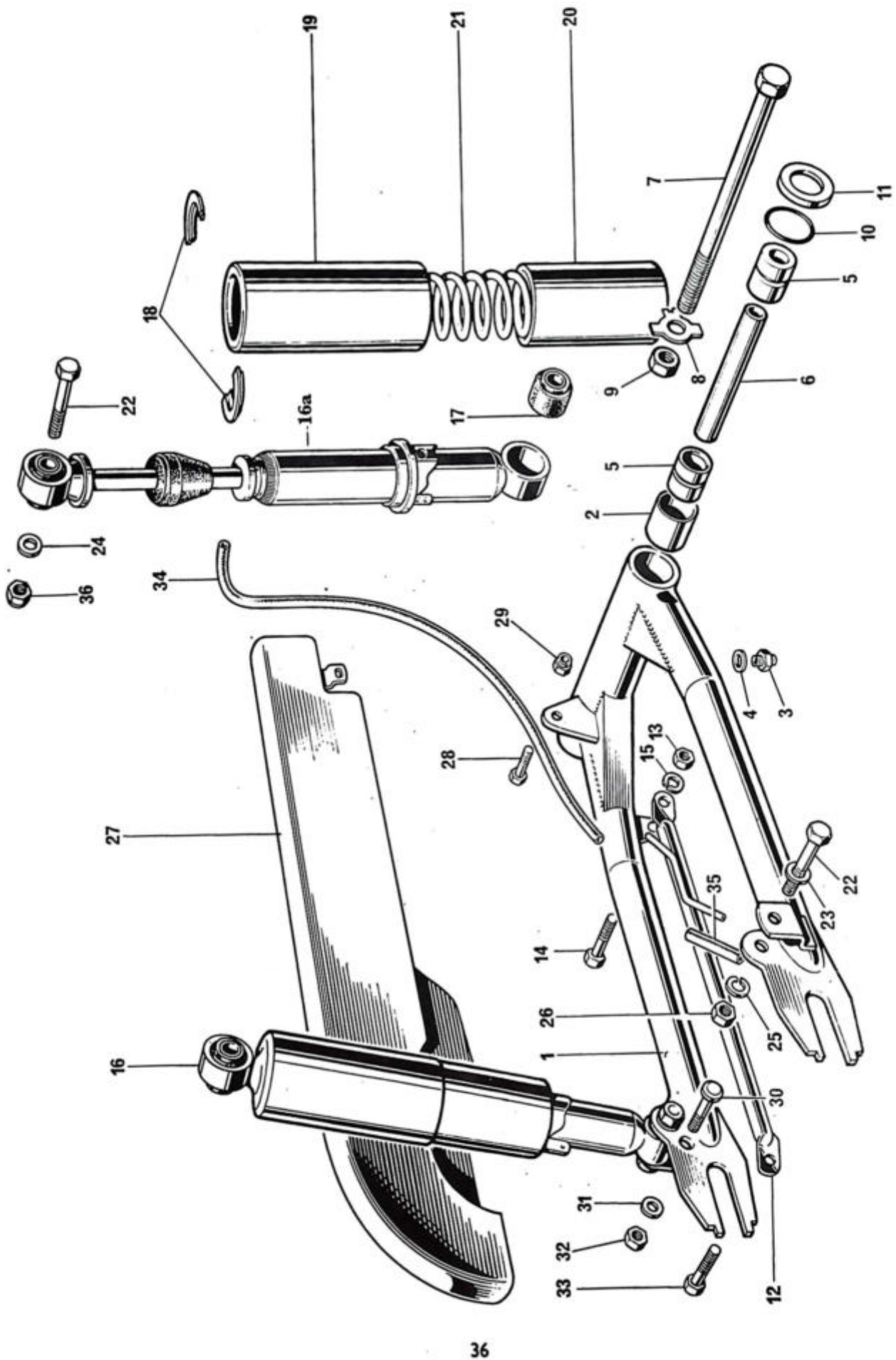


Fig. 15. SWINGING FORK AND SUSPENSION UNITS

| Ref. No.                                  | Part No.  | DESCRIPTION                                                 | QUANTITY | REMARKS |
|-------------------------------------------|-----------|-------------------------------------------------------------|----------|---------|
| <b>SWINGING FORK AND SUSPENSION UNITS</b> |           |                                                             |          |         |
| 1                                         | F10045    | SWINGING FORK ... ..                                        | 1        |         |
| 2                                         | F6042     | Bush ... ..                                                 | 2        |         |
| 3                                         | NW100     | Grease nipple ... ..                                        | 1        |         |
| 4                                         | WE170     | Fibre washer ... ..                                         | 1        |         |
| 5                                         | F6821     | Bobbin ... ..                                               | 2        |         |
| 6                                         | F5313     | Distance tube ... ..                                        | 1        |         |
| 7                                         | S620      | S/arm bolt ... ..                                           | 1        |         |
| 8                                         | F5944     | Tab washer ... ..                                           | 1        |         |
| 9                                         | S545      | Nut ... ..                                                  | 1        |         |
| 10                                        | F8090     | "O" ring ... ..                                             | 2        |         |
| 11                                        | F7848     | Oil seal housing... ..                                      | 2        |         |
| 12                                        | F7365     | Torque stay ... ..                                          | 1        |         |
| 13                                        | 14-0304   | Nut ... ..                                                  | 1        |         |
| 14                                        | S1802     | Bolt ( $\frac{37}{32}$ in.) ... ..                          | 1        |         |
| 15                                        | 99-0046   | Spring washer ... ..                                        | 1        |         |
| 16                                        | 64052089  | SUSPENSION UNIT (SB4 x 133) ... ..                          | 2        |         |
| 16a                                       | Ref. only | Damper unit only 64052090 ... ..                            | 2        |         |
| 17                                        | 99-0122   | Bonded bush 64533645 ... ..                                 | 4        |         |
| 18                                        | 99-0107   | Spring retainer 9054/171 ... ..                             | 4        |         |
| 19                                        | 99-0106   | Outer dirt shield 9045/151 ... ..                           | 2        |         |
| 20                                        | 99-0103   | Inner dirt shield 9054/47 ... ..                            | 2        |         |
| 21                                        | 64532786  | Spring (110 lbs.) ... ..                                    | 2        |         |
| 22                                        | 14-0235   | Bolt, top and bottom (2 in. U.H.) ... ..                    | 4        |         |
| 23                                        | S25-3     | Washer, bottom bolt ... ..                                  | 2        |         |
| 24                                        | GS308     | Washer, top bolt ... ..                                     | 2        |         |
| 25                                        | S26-1     | Spring washer, bottom bolt ... ..                           | 2        |         |
| 26                                        | 14-0303   | Nut ... ..                                                  | 2        |         |
| 27                                        | F9383     | Rear chainguard ... ..                                      | 1        |         |
| 28                                        | 14-0113   | Front pivot bolt ( $\frac{5}{8}$ in. U.H.) ... ..           | 1        |         |
| 29                                        | 14-0702   | Self-locking nut ... ..                                     | 1        |         |
| 30                                        | F9387     | Bolt, rear chainguard to fork ( $\frac{35}{32}$ in.) ... .. | 1        |         |
| 31                                        | S26-3     | Washer ... ..                                               | 1        |         |
| 32                                        | 14-0302   | Nut ... ..                                                  | 1        |         |
| 33                                        | 14-6131   | Bolt ( $\frac{3}{4}$ in. U.H.) ... ..                       | 1        |         |
| 34                                        | F7532     | Long chain oiler pipe ... ..                                | 1        |         |
| 35                                        | F9997     | Short chain oiler pipe ... ..                               | 1        |         |
| 36                                        | 14-1303   | Nut ... ..                                                  | 2        |         |

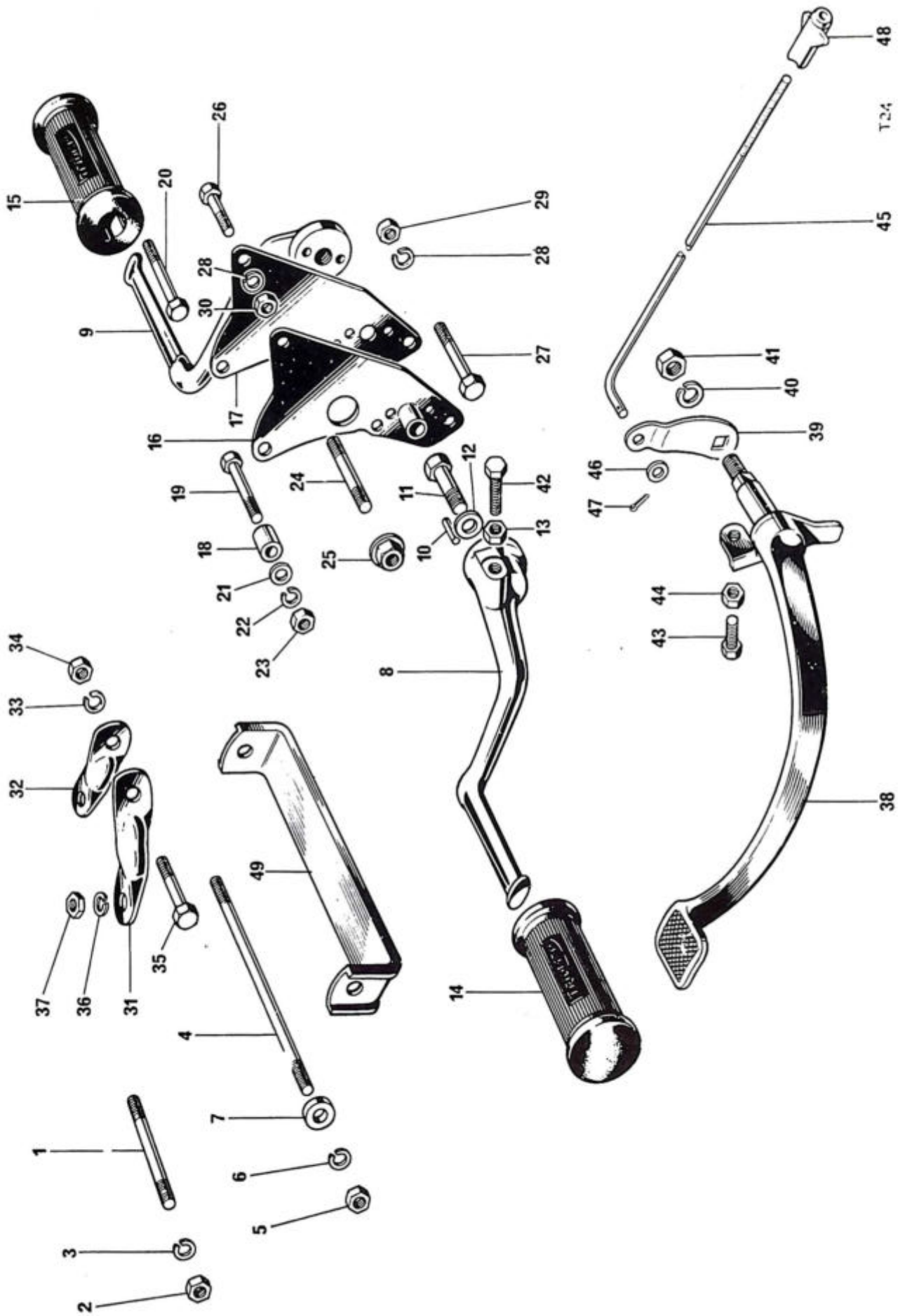


Fig. 16. ENGINE UNIT FITTINGS AND FOOTRESTS

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

### ENGINE UNIT FITTINGS AND FOOTRESTS

|    |         |                                                                          |     |     |     |     |   |
|----|---------|--------------------------------------------------------------------------|-----|-----|-----|-----|---|
| 1  | S571    | Stud, front engine to frame ( $3\frac{7}{8}$ in. O.A.)                   | ... | ... | ... | ... | 1 |
| 2  | 14-0804 | Nut, stud                                                                | ... | ... | ... | ... | 2 |
| 3  | 99-0046 | Spring washer                                                            | ... | ... | ... | ... | 2 |
| 4  | S572    | Stud (bottom) engine to frame ( $10\frac{1}{2}$ in. O.A.)                | ... | ... | ... | ... | 1 |
| 5  | 14-0304 | Nut, stud                                                                | ... | ... | ... | ... | 2 |
| 6  | 99-0046 | Spring washer                                                            | ... | ... | ... | ... | 2 |
| 7  | F5532   | Spacer, bottom engine fixing                                             | ... | ... | ... | ... | 1 |
| 8  | F9623   | Drive side footrest                                                      | ... | ... | ... | ... | 1 |
| 9  | F9624   | Timing side footrest                                                     | ... | ... | ... | ... | 1 |
| 10 | F5943   | Peg                                                                      | ... | ... | ... | ... | 4 |
| 11 | S1969   | Bolt, footrest ( $1\frac{1}{8}$ in. U.H.)                                | ... | ... | ... | ... | 2 |
| 12 | F8243   | Washer, footrest stud                                                    | ... | ... | ... | ... | 2 |
| 13 | 14-0401 | Locknut                                                                  | ... | ... | ... | ... | 1 |
| 14 | F9279   | Footrest rubber T.S.                                                     | ... | ... | ... | ... | 1 |
| 15 | F9630   | Footrest rubber D.S.                                                     | ... | ... | ... | ... | 1 |
| 16 | F9627   | Rear engine plate T.S.                                                   | ... | ... | ... | ... | 1 |
| 17 | F9629   | Rear engine plate D.S.                                                   | ... | ... | ... | ... | 1 |
| 18 | F7157   | Spacer D.S. rear engine plate                                            | ... | ... | ... | ... | 2 |
| 19 | 14-0222 | Bolt, D.S. rear engine plate to engine ( $2\frac{1}{4}$ in. U.H.)        | ... | ... | ... | ... | 2 |
| 20 | 14-0221 | Bolt, T.S. rear engine plate to engine (2 in. U.H.)                      | ... | ... | ... | ... | 2 |
| 21 | S25-3   | Washer, rear engine plate to engine                                      | ... | ... | ... | ... | 4 |
| 22 | S26-3   | Spring washer                                                            | ... | ... | ... | ... | 4 |
| 23 | 14-1302 | Nut                                                                      | ... | ... | ... | ... | 4 |
| 24 | S548    | Stud, D.S. and T.S. pivot lug to engine plate ( $1\frac{3}{8}$ in. O.A.) | ... | ... | ... | ... | 2 |
| 25 | F7389   | Nut stud                                                                 | ... | ... | ... | ... | 2 |
| 26 | 14-0126 | Bolt, upper rear engine plate to frame ( $\frac{3}{4}$ in. U.H.)         | ... | ... | ... | ... | 2 |
| 27 | 14-0234 | Bolt, lower rear engine plate to frame ( $1\frac{3}{4}$ in. U.H.)        | ... | ... | ... | ... | 2 |
| 28 | S26-1   | Spring washer                                                            | ... | ... | ... | ... | 4 |
| 29 | 14-1303 | Nut                                                                      | ... | ... | ... | ... | 2 |
| 30 | 14-0403 | Nut                                                                      | ... | ... | ... | ... | 2 |
| 31 | F9379   | Torque stay engine R.H.                                                  | ... | ... | ... | ... | 1 |
| 32 | F9378   | Torque stay engine L.H.                                                  | ... | ... | ... | ... | 1 |
| 33 | S26-1   | Spring washer                                                            | ... | ... | ... | ... | 2 |
| 34 | 14-0303 | Nut                                                                      | ... | ... | ... | ... | 2 |
| 35 | 14-0236 | Bolt, torque stay to frame ( $2\frac{1}{4}$ in. U.H.)                    | ... | ... | ... | ... | 1 |
| 36 | S26-3   | Spring washer                                                            | ... | ... | ... | ... | 1 |
| 37 | 14-0302 | Nut                                                                      | ... | ... | ... | ... | 1 |
| 38 | F9635   | Rear brake pedal                                                         | ... | ... | ... | ... | 1 |
| 39 | F6064   | Lever                                                                    | ... | ... | ... | ... | 1 |
| 40 | S26-1   | Spring washer                                                            | ... | ... | ... | ... | 1 |
| 41 | 14-0303 | Nut                                                                      | ... | ... | ... | ... | 1 |
| 42 | 14-0106 | Stop bolt (1 in. U.H.)                                                   | ... | ... | ... | ... | 1 |
| 43 | 14-0103 | Adjuster, stoplamp switch ( $\frac{3}{4}$ in. U.H.)                      | ... | ... | ... | ... | 1 |
| 44 | 14-0401 | Nut, adjuster                                                            | ... | ... | ... | ... | 1 |
| 45 | F7386   | Brake rod                                                                | ... | ... | ... | ... | 1 |
| 46 | S25-13  | Washer                                                                   | ... | ... | ... | ... | 1 |
| 47 | D2683   | Split pin, $\frac{1}{16}$ in. x $\frac{3}{8}$ in.                        | ... | ... | ... | ... | 1 |
| 48 | F7387   | Adjuster nut                                                             | ... | ... | ... | ... | 1 |
| 49 | F9529   | Oil pipe retaining strap                                                 | ... | ... | ... | ... | 1 |

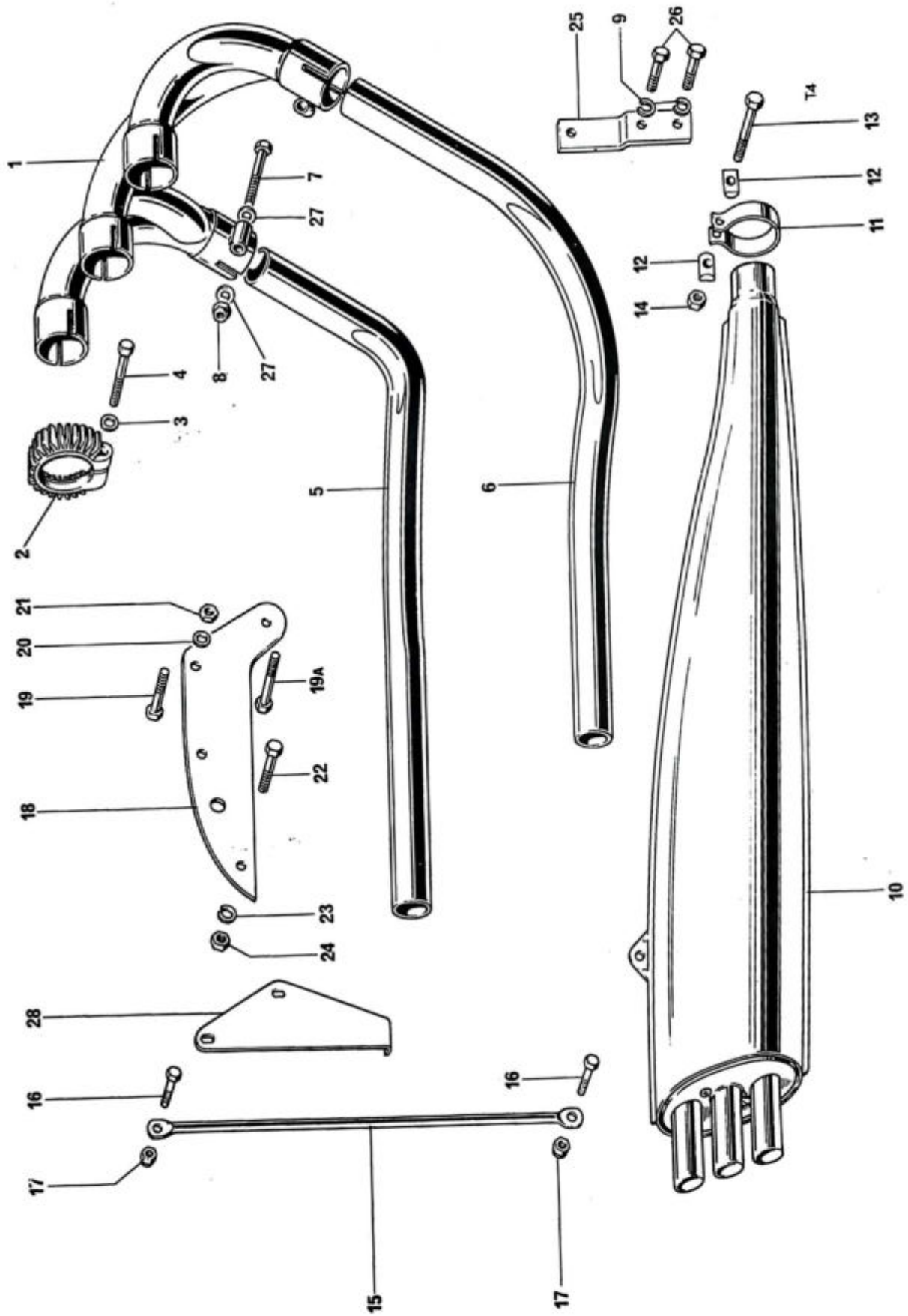


Fig. 17. EXHAUST PIPES AND SILENCERS

| Ref. No.                           | Part No. | DESCRIPTION                                                      | QUANTITY | REMARKS         |
|------------------------------------|----------|------------------------------------------------------------------|----------|-----------------|
| <b>EXHAUST PIPES AND MANIFOLDS</b> |          |                                                                  |          |                 |
| 1                                  | E7597    | Exhaust manifold ... ..                                          | 1        |                 |
| 2                                  | E6743    | Finned clip ... ..                                               | 3        |                 |
| 3                                  | E410A    | Hemispherical washer ... ..                                      | 3        |                 |
| 4                                  | E6744    | Bolt ( $1\frac{3}{8}$ in. U.H.) ... ..                           | 3        |                 |
| 5                                  | E9463    | Exhaust pipe D.S. ... ..                                         | 1        |                 |
| 6                                  | E9464    | Exhaust pipe T.S. ... ..                                         | 1        |                 |
| 7                                  | 14-0205  | Bolt, exhaust pipe to manifold ( $1\frac{1}{2}$ in. U.H.) ... .. | 2        |                 |
| 8                                  | 14-1201  | Nut (Cleveloc) exhaust pipe to manifold ... ..                   | 2        |                 |
| 9                                  | S26-3    | Spring washer ... ..                                             | 4        |                 |
| 10                                 | E9036    | Silencer D.S. ... ..                                             | 1        |                 |
| 10                                 | E9037    | Silencer T.S. ... ..                                             | 1        |                 |
| 11                                 | E7512    | Clip ... ..                                                      | 2        |                 |
| 12                                 | E3768    | 'D' washer ... ..                                                | 4        |                 |
| 13                                 | 14-0219  | Bolt ( $1\frac{1}{2}$ in. U.H.) ... ..                           | 2        |                 |
| 14                                 | 14-1302  | Nut, Cleveloc ... ..                                             | 2        |                 |
| 15                                 | F9440    | Strut ... ..                                                     | 2        |                 |
| 16                                 | 14-0101  | Screw, strut top and bottom ( $\frac{1}{2}$ in. U.H.) ... ..     | 4        |                 |
| 17                                 | 14-0301  | Nut (Cleveloc) ... ..                                            | 4        |                 |
| 18                                 | E4711    | Hanger, frame from silencer T.S. & D.S. ... ..                   | 2        |                 |
| 19                                 | 14-0115  | Bolt ( $\frac{7}{8}$ in. U.H.) ... ..                            | 2        |                 |
| 19a                                | 14-0116  | Bolt (1 in. U.H.) ... ..                                         | 2        |                 |
| 20                                 | S25-3    | Plain washer ... ..                                              | 2        |                 |
| 21                                 | 14-1302  | Nut ... ..                                                       | 4        |                 |
| 22                                 | 14-0114  | Bolt, silencer to frame ( $\frac{3}{4}$ in. U.H.) ... ..         | 2        |                 |
| 23                                 | S25-3    | Spring washer ... ..                                             | 2        |                 |
| 24                                 | 14-1302  | Nut ... ..                                                       | 2        |                 |
| 25                                 | E8902    | Bracket D.S. and T.S. silencer ... ..                            | 2        |                 |
| 26                                 | S1822    | Bolt, bracket to silencer ( $\frac{1}{2}$ in. U.H.) ... ..       | 4        |                 |
| 27                                 | S25-1    | Washer ... ..                                                    | 4        |                 |
| 28                                 | F9947    | Centre stand stop plate ... ..                                   | ...      | Not illustrated |

FORK ASSEMBLY No.1

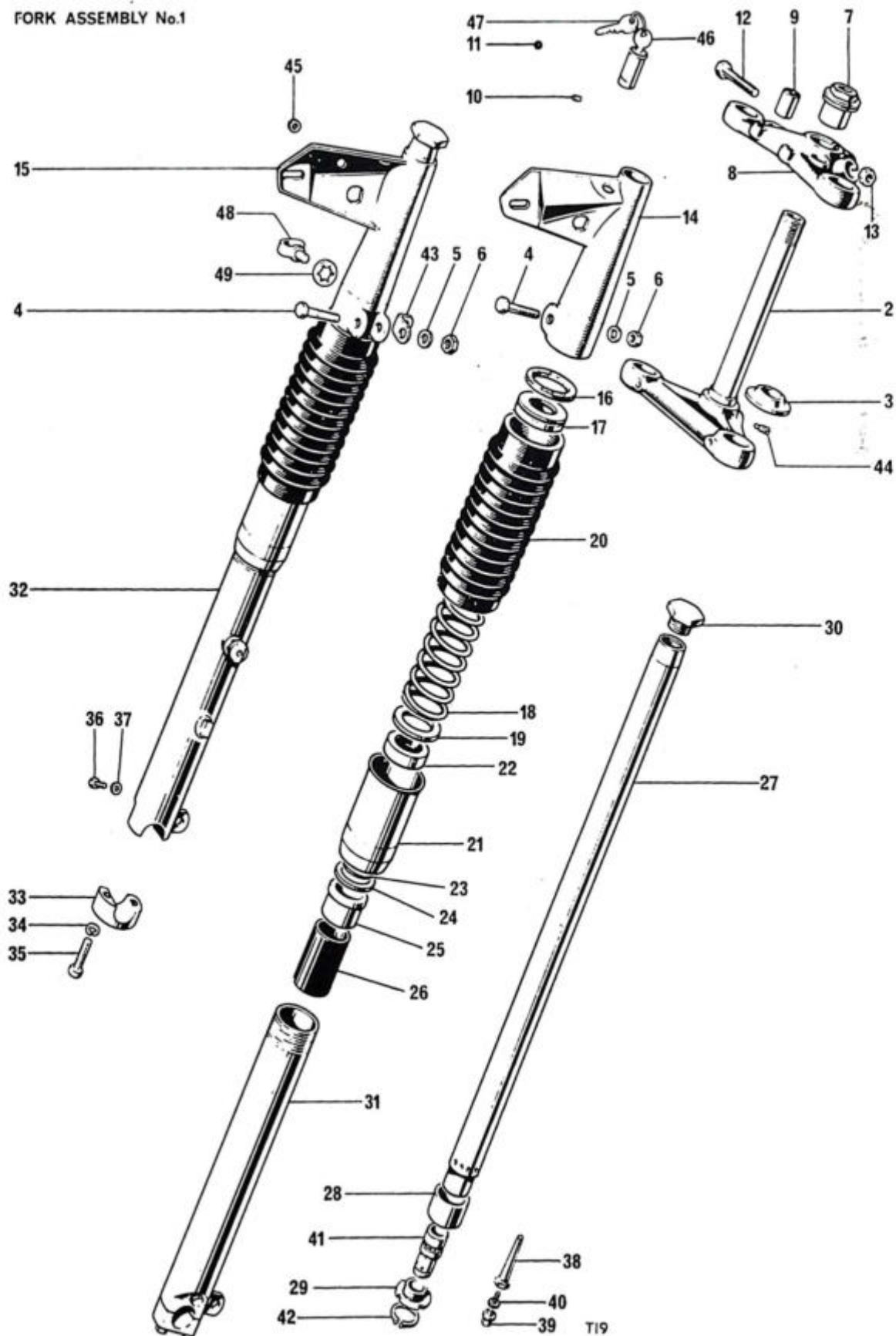
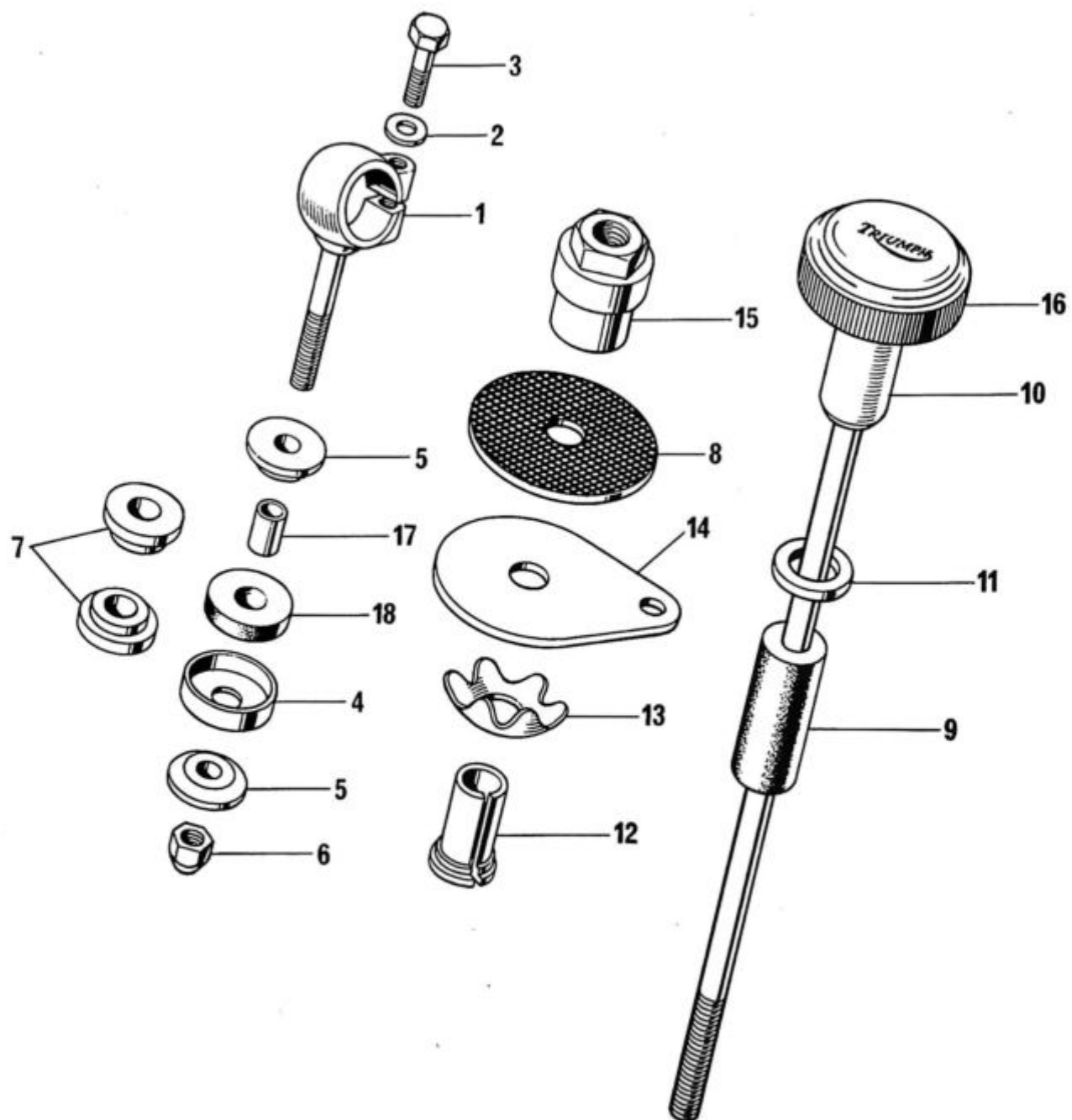


Fig. 18. TELESCOPIC FRONT FORK

### TELESCOPIC FRONT FORK

|                                        |         |                                    |   |  |
|----------------------------------------|---------|------------------------------------|---|--|
| 1                                      | H2287   | FORK ASSEMBLY ... ..               | 1 |  |
| 2                                      | H3659   | Middle lug and stem ... ..         | 1 |  |
| 3                                      | H439    | Bottom cone ... ..                 | 1 |  |
| 4                                      | H2290   | Pinch bolt (2¼ in. U.H.) ... ..    | 2 |  |
| 5                                      | S25-2   | Plain washer ... ..                | 2 |  |
| 6                                      | 14-1303 | Nut ... ..                         | 2 |  |
| 7                                      | H2108   | Fork stem sleeve nut ... ..        | 1 |  |
| 8                                      | H2293   | Top lug ... ..                     | 1 |  |
| 9                                      | H1527   | Bonded bush ... ..                 | 2 |  |
| 10                                     | S578    | Grub screw ... ..                  | 1 |  |
| 11                                     | H2266   | Sealing plug ... ..                | 1 |  |
| 12                                     | S684    | Pinch bolt (1⅞ in. U.H.)... ..     | 1 |  |
| 13                                     | S685    | Seated nut ... ..                  | 1 |  |
| 14                                     | *H3789  | Left top cover ... ..              | 1 |  |
| 15                                     | †H3790  | Right top cover ... ..             | 1 |  |
| 16                                     | F4047   | Cork washer ... ..                 | 2 |  |
| 17                                     | H1657   | Spring abutment ... ..             | 2 |  |
| 18                                     | H1892   | Main spring (yellow/green) ... ..  | 2 |  |
| 19                                     | H1656   | Plain washer ... ..                | 2 |  |
| 20                                     | ‡H3635  | Telescopic gaiter ... ..           | 2 |  |
| 21                                     | H3633   | DUST EXCLUDER SLEEVE NUT ... ..    | 2 |  |
| 22                                     | H1500   | Oil seal ... ..                    | 2 |  |
| 23                                     | H2119   | "O" ring ... ..                    | 2 |  |
| 24                                     | H431    | Plain washer ... ..                | 2 |  |
| 25                                     | H441    | Top bearing ... ..                 | 2 |  |
| 26                                     | H1896   | Damping sleeve ... ..              | 2 |  |
| 27                                     | H3878   | Stanchion ... ..                   | 2 |  |
| 28                                     | H443    | Lower bearing ... ..               | 2 |  |
| 29                                     | H2091   | Bearing nut ... ..                 | 2 |  |
| 30                                     | H2245   | Cap nut ... ..                     | 2 |  |
| 31                                     | H2294   | LEFT BOTTOM MEMBER C/W CAP ... ..  | 1 |  |
| 32                                     | H2295   | RIGHT BOTTOM MEMBER C/W CAP ... .. | 1 |  |
| 33                                     | H1844   | Spindle cap ... ..                 | 2 |  |
| 34                                     | S26-3   | Spring washer ... ..               | 4 |  |
| 35                                     | 14-0218 | Cap bolt ... ..                    | 4 |  |
| 36                                     | H519A   | Drain plug ... ..                  | 2 |  |
| 37                                     | H430    | Fibre washer ... ..                | 2 |  |
| 38                                     | H2090   | Restrictor ... ..                  | 2 |  |
| 39                                     | H2126   | Flanged bolt (¾ in. U.H.) ... ..   | 2 |  |
| 40                                     | H1062   | Aluminium washer ... ..            | 2 |  |
| 41                                     | H2154   | Shuttle valve ... ..               | 2 |  |
| 42                                     | H2127   | Circlip ... ..                     | 2 |  |
| 43                                     | H3682   | Bracket front brake cable ... ..   | 1 |  |
| 44                                     | H2107   | Locating pin ... ..                | 1 |  |
| 45                                     | F6784   | Grommet for control cables ... ..  | 2 |  |
| 46                                     | F6738   | Lock c/w 2 keys ... ..             | 1 |  |
| 47                                     | D623    | Key (state serial number) ... ..   | 2 |  |
| 48                                     | H2270   | Cable retainer ... ..              | 1 |  |
| 49                                     | F8245   | Starlock washer ... ..             | 1 |  |
| Forks with wire clips at gaiters use:— |         |                                    |   |  |
|                                        | *H2300  | Left top cover ... ..              | 1 |  |
|                                        | †H2301  | Right top cover ... ..             | 1 |  |
|                                        | ‡H1645  | Telescopic gaiter ... ..           | 2 |  |
|                                        | H2083   | Gaiter clips ... ..                | 2 |  |



**Fig. 19. HANDLEBAR MOUNTINGS AND STEERING DAMPER**

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

# **HANDLEBAR MOUNTINGS AND STEERING DAMPER**

|    |         |                                                    |           |  |
|----|---------|----------------------------------------------------|-----------|--|
| 1  | H2291   | Handlebar eyebolt ... ..                           | 2         |  |
| 2  | F1335   | Plain washer ... ..                                | 2         |  |
| 3  | S589    | Bolt (1 $\frac{1}{8}$ in. U.H.) ... ..             | 2         |  |
| 4  | H2221   | Cup ... ..                                         | 2         |  |
| 5  | H1529   | Hemispherical washer ... ..                        | 2         |  |
| 6  | 14-1903 | Self-locking nut ... ..                            | 2         |  |
| 7  | H1616   | Solid bush for handlebar mounted windscreen ... .. | available |  |
| 8  | H435    | Friction disc ... ..                               | 1         |  |
| 9  | H1618   | Rubber sleeve ... ..                               | 1         |  |
| 10 | H3602   | Steering damper rod c/w knob ... ..                | 1         |  |
| 11 | H565    | Plain washer ... ..                                | 1         |  |
| 12 | H3601   | Adjuster sleeve ... ..                             | 1         |  |
| 13 | H95     | Spring plate ... ..                                | 1         |  |
| 14 | H1797   | Anchor plate ... ..                                | 1         |  |
| 15 | H2108   | Sleeve nut ... ..                                  | 1         |  |
| 16 | H3604   | Nameplate ... ..                                   | 1         |  |
| 17 | H1581   | Distance piece ... ..                              | 2         |  |
| 18 | H1580   | Rubber ... ..                                      | 2         |  |

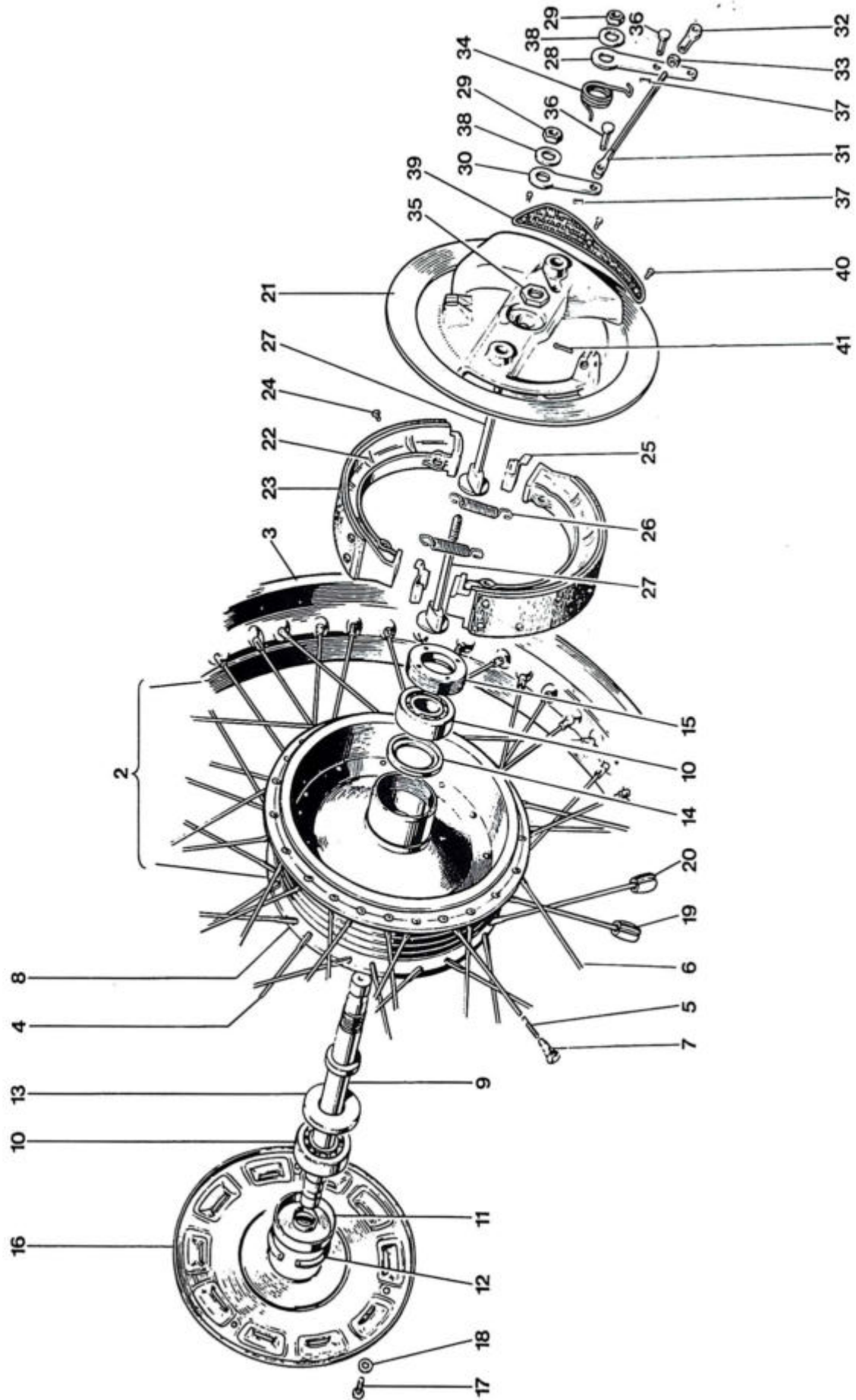


Fig. 20 FRONT WHEEL—EARLIER TYPE

| Ref. No.                          | Part No. | DESCRIPTION                                                     | QUANTITY    | REMARKS                   |
|-----------------------------------|----------|-----------------------------------------------------------------|-------------|---------------------------|
| <b>FRONT WHEEL (EARLIER TYPE)</b> |          |                                                                 |             |                           |
| 1                                 | W2056    | FRONT WHEEL COMPLETE ... ..                                     | 1           |                           |
| 2                                 | W1994    | RIM SPOKES AND HUB ASSEMBLY ... ..                              | 1           |                           |
| 3                                 | W1230    | Front wheel rim (WM2-19) ... ..                                 | 1           |                           |
| 4                                 | W1328    | Spoke (8/10G x 5 $\frac{5}{8}$ in.) straight c/w nipple ... ..  | 20          |                           |
| 5                                 | W1708    | Spoke (8/10G x 4 $\frac{3}{4}$ in. 78°) c/w nipple ... ..       | 10          |                           |
| 6                                 | W1709    | Spoke (8/10G x 4 $\frac{7}{8}$ in. 100°) c/w nipple ... ..      | 10          |                           |
| 7                                 | S79-2    | Spoke nipple ... ..                                             | 40          |                           |
| 8                                 | W1995    | Hub and brake drum ... ..                                       | 1           |                           |
| 9                                 | W3582    | Wheel spindle ... ..                                            | 1           |                           |
| 10                                | W653     | Bearing ... ..                                                  | 2           |                           |
| 11                                | W1237    | Dust cover ... ..                                               | 1           |                           |
| 12                                | T280     | Circlip ... ..                                                  | 1           |                           |
| 13                                | W1481    | Grease retainer ... ..                                          | 1           |                           |
| 14                                | W3337    | Bearing support ring ... ..                                     | 1           |                           |
| 15                                | W582     | Retaining ring ... ..                                           | 1           |                           |
| 16                                | W1992    | Cover plate ... ..                                              | 1           |                           |
| 17                                | W2092    | Screw ( $\frac{1}{4}$ in. U.H.)... ..                           | 3           |                           |
| 18                                | E2351    | Washer ... ..                                                   | 3           |                           |
| 19                                | W1197    | Balance weight $\frac{1}{2}$ oz. ... ..                         | as required |                           |
| 20                                | W1198    | Balance weight 1 oz. ... ..                                     | as required |                           |
| 21                                | W1990    | Brake anchor plate ... ..                                       | 1           |                           |
| 22                                | W1996    | BRAKE SHOE c/w LINING ... ..                                    | 2           |                           |
| 23                                | W1998    | Brake lining ... ..                                             | 2           | } Not supplied separately |
| 24                                | W2059    | Brass rivet ... ..                                              | 14          |                           |
| 25                                | W2026    | Abutment pad ... ..                                             | 2           |                           |
| 26                                | W135     | Shoe return spring ... ..                                       | 2           |                           |
| 27                                | W2001    | Brake cam ... ..                                                | 2           |                           |
| 28                                | W2000    | Brake cam lever front ... ..                                    | 1           |                           |
| 29                                | 14-0302  | Nut ... ..                                                      | 2           |                           |
| 30                                | W1999    | Brake cam lever rear ... ..                                     | 1           |                           |
| 31                                | W2003    | Rod assembly ... ..                                             | 1           |                           |
| 32                                | W2005    | Fork end threaded ... ..                                        | 1           |                           |
| 33                                | 14-0401  | Locknut ... ..                                                  | 1           |                           |
| 34                                | W3522    | Lever return spring ... ..                                      | 1           |                           |
| 35                                | S1995    | Anchor plate nut ... ..                                         | 1           |                           |
| 36                                | WF32     | Pivot pin ... ..                                                | 2           |                           |
| 37                                | D2683    | Split pin ( $\frac{1}{16}$ in. x $\frac{3}{8}$ in. long) ... .. | 2           |                           |
| 38                                | S25-6    | Plain washer ... ..                                             | 1           |                           |
| 39                                | W1991    | Gauze ... ..                                                    | 1           |                           |
| 40                                | S650     | Taptite screw ... ..                                            | 3           |                           |
| 41                                | D2687    | Split pin ( $\frac{1}{16}$ in. x $\frac{7}{8}$ in. long) ... .. | 1           |                           |

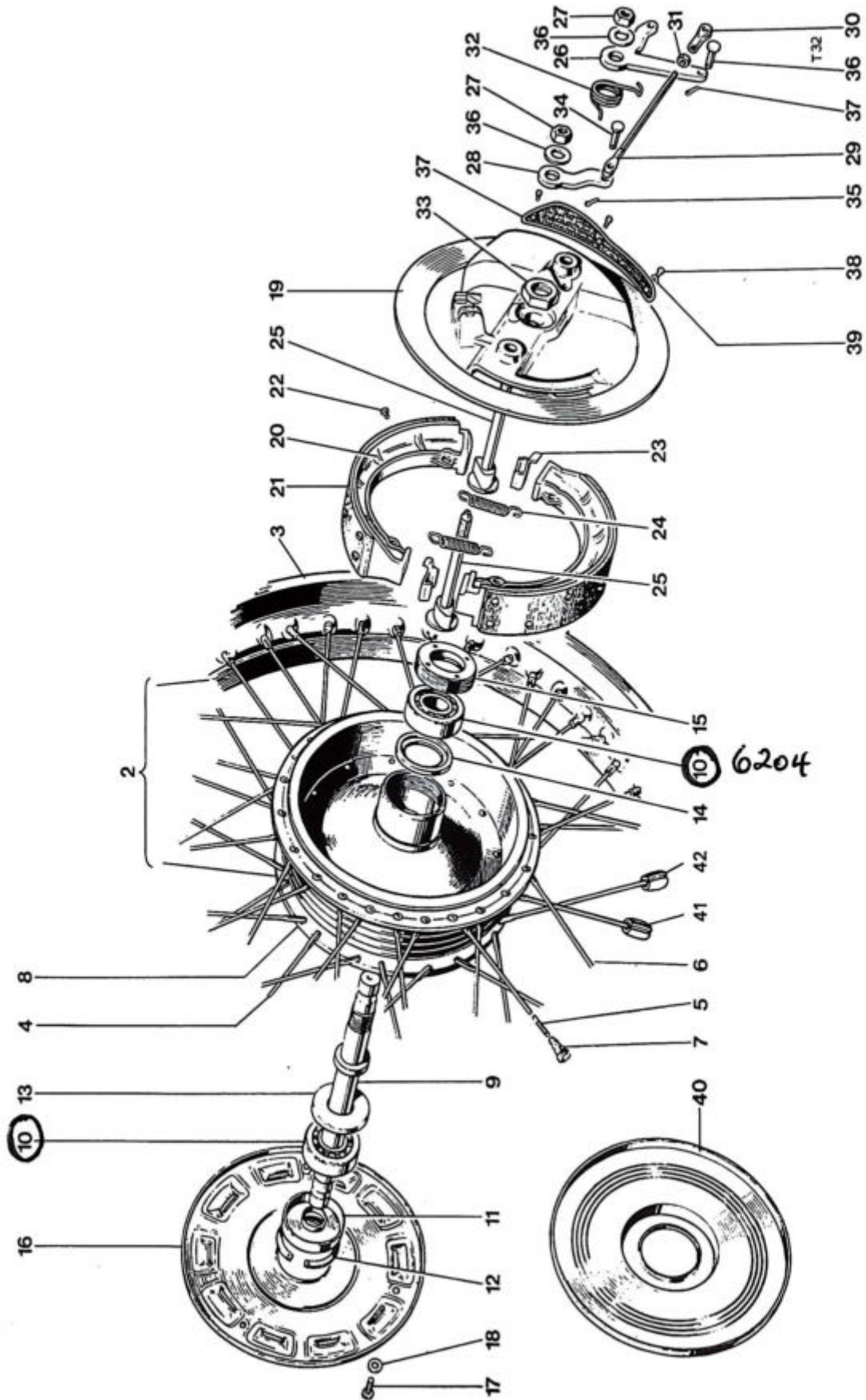


Fig. 21. FRONT WHEEL—LATE TYPE

| Ref. No.                       | Part No.       | DESCRIPTION                                  | QUANTITY    | REMARKS                                                                      |
|--------------------------------|----------------|----------------------------------------------|-------------|------------------------------------------------------------------------------|
| <b>FRONT WHEEL (LATE TYPE)</b> |                |                                              |             |                                                                              |
| 1                              | W3509          | FRONT WHEEL COMPLETE                         | 1           |                                                                              |
| 2                              | W1721          | RIM, SPOKES AND HUB ASSEMBLY                 | 1           |                                                                              |
| 3                              | W1230          | Front wheel rim (WM2-19)                     | 1           |                                                                              |
| 4                              | W1328          | Spoke (8/10G x 5 $\frac{1}{8}$ in. straight) | 20          |                                                                              |
| 5                              | W1708          | Spoke (8/10G x 4 $\frac{3}{32}$ in. 78°)     | 10          |                                                                              |
| 6                              | W1709          | Spoke (8/10G x 4 $\frac{7}{8}$ in. 100°)     | 10          |                                                                              |
| 7                              | S79-2          | Spoke nipple                                 | 40          |                                                                              |
| 8                              | W1722          | Hub and brake drum                           | 1           |                                                                              |
| 9                              | W3582          | Wheel spindle                                | 1           |                                                                              |
| 10                             | W653 - 6204    | Bearing                                      | 2           |                                                                              |
| 11                             | W1237          | Dust cover                                   | 1           |                                                                              |
| 12                             | T280           | Circlip                                      | 1           |                                                                              |
| 13                             | W3337          | Bearing support ring                         | 1           |                                                                              |
| 14                             | W1481          | Grease retainer                              | 1           |                                                                              |
| 15                             | W582           | Retaining ring                               | 1           |                                                                              |
| 16                             | W1992          | Cover plate                                  | 1           |                                                                              |
| 17                             | W2092          | Screw                                        | 3           |                                                                              |
| 18                             | F2351          | Plain Washer                                 | 3           |                                                                              |
| 19                             | W3462          | Brake anchor plate                           | 1           |                                                                              |
| 20                             | W1996          | BRAKE SHOE c/w LINING                        | 2           |                                                                              |
| 21                             | Reference only | Brake lining                                 | 2           |                                                                              |
| 22                             | Reference only | Brass rivet                                  | 16          |                                                                              |
| 23                             | W2026          | Abutment pad                                 | 2           |                                                                              |
| 24                             | W135           | Shoe return spring                           | 2           |                                                                              |
| 25                             | W2001          | Brake cam                                    | 2           |                                                                              |
| 26                             | W3453          | Brake cam lever (front)                      | 1           |                                                                              |
| 27                             | 14-0302        | Nut                                          | 2           |                                                                              |
| 28                             | W3454          | Brake cam lever (rear)                       | 1           |                                                                              |
| 29                             | W2003          | Rod                                          | 1           |                                                                              |
| 30                             | W2005          | Fork end, threaded                           | 1           |                                                                              |
| 31                             | 14-0401        | Locknut                                      | 1           |                                                                              |
| 32                             | W3522          | Lever return spring                          | 1           |                                                                              |
| 33                             | S1995          | Anchor plate nut                             | 1           |                                                                              |
| 34                             | WF32           | Pivot pin                                    | 2           |                                                                              |
| 35                             | —              | Split pin $\frac{1}{16}$ x $\frac{1}{2}$ in. | 2           |                                                                              |
| 36                             | S25-6          | Plain washer                                 | 2           |                                                                              |
| 37                             | W1991          | Anchor plate gauze (for air scoop)           | 1           |                                                                              |
| 38                             | S650           | Taptite screw                                | 3           |                                                                              |
| 39                             | F2351          | Plain washer                                 | 3           |                                                                              |
| 40                             | W3460          | Cover plate                                  | 1           | Used on limited number of machines only, though will replace W1992 directly. |
| 41                             | W1197          | Balance weight, $\frac{1}{2}$ oz.            | as required |                                                                              |
| 42                             | W1198          | Balance weight, 1 oz.                        | as required |                                                                              |

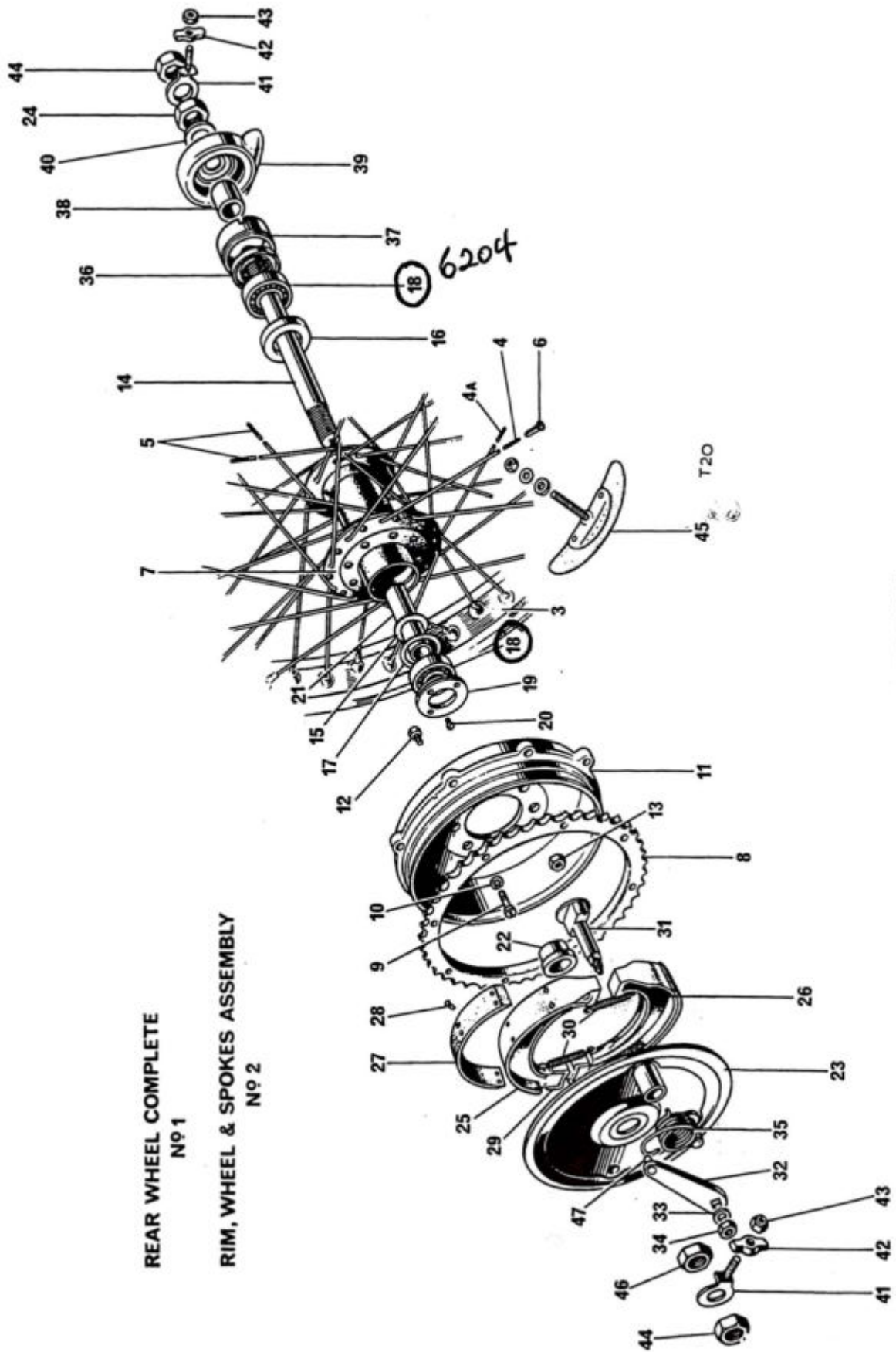


FIG. 22 REAR WHEEL

| Ref. No.          | Part No.    | DESCRIPTION                                     | QUANTITY | REMARKS                   |
|-------------------|-------------|-------------------------------------------------|----------|---------------------------|
| <b>REAR WHEEL</b> |             |                                                 |          |                           |
| 1                 | †W3427      | REAR WHEEL COMPLETE ... ..                      | 1        |                           |
| 2                 | W3428       | RIM, SPOKES AND HUB ASSEMBLY ... ..             | 1        |                           |
| 3                 | W270A       | Rear wheel rim W,3-19 ... ..                    | 1        |                           |
| 4                 | W1104       | Spoke D.S. ... ..                               | 10       |                           |
| 4A                | W3575       | Spoke D.S. inner ... ..                         | 10       |                           |
| 5                 | W1106       | Spoke T.S. ... ..                               | 20       |                           |
| 6                 | S79-2       | Spoke nipple ... ..                             | 40       |                           |
| 7                 | W1472       | Hub ... ..                                      | 1        |                           |
| 8                 | *W3411      | Sprocket 52T ... ..                             | 1        |                           |
| 9                 | W1500       | Bolt ( $\frac{1}{8}$ in. U.H.) ... ..           | 8        |                           |
| 10                | E1612       | Serrated washer ... ..                          | 8        |                           |
| 11                | W1498       | Brake drum ... ..                               | 1        |                           |
| 12                | W1690       | Bolt ( $\frac{1}{8}$ 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 - 6204 | Bearing ... ..                                  | 2        |                           |
| 19                | 99-0057     | RETAINING RING ... ..                           | 1        |                           |
| 20                | W1710       | Locking screw ( $\frac{5}{16}$ in. U.H.) ... .. | 1        |                           |
| 21                | W1278       | Distance tube ... ..                            | 1        |                           |
| 22                | W1024       | Distance piece ... ..                           | 1        |                           |
| 23                | W1112       | Brake anchor plate ... ..                       | 1        |                           |
| 24                | W3426       | Nut anchor inner T.S. ... ..                    | 2        |                           |
| 25                | W1406       | LEADING BRAKE SHOE C/W LINING ... ..            | 1        |                           |
| 26                | W1407       | TRAILING BRAKE SHOE C/W LINING ... ..           | 1        |                           |
| 27                | NW243       | Brake lining ... ..                             | 2        | } Not serviced separately |
| 28                | W129        | Brass rivet ... ..                              | 16       |                           |
| 29                | W1415       | Thrust pad ... ..                               | 2        |                           |
| 30                | W135        | Shoe return spring ... ..                       | 2        |                           |
| 31                | W1083       | Brake cam ... ..                                | 1        |                           |
| 32                | W2015       | Brake cam lever ... ..                          | 1        |                           |
| 33                | S25-6       | Plain washer ... ..                             | 1        |                           |
| 34                | S1-52       | Nut ... ..                                      | 1        |                           |
| 35                | W1090       | Lever return spring ... ..                      | 1        |                           |
| 36                | W1635       | Grease retainer ... ..                          | 1        |                           |
| 37                | W1476       | Speedometer adaptor ... ..                      | 1        |                           |
| 38                | W1477       | Distance piece ... ..                           | 1        |                           |
| 39                | D637        | Speedometer gearbox (MPH HEAD) ... ..           | 1        |                           |
| 40                | W1280       | Plain washer ... ..                             | 1        |                           |
| 41                | W2089       | Rear wheel adjuster ... ..                      | 2        |                           |
| 42                | W1015       | Adjuster end plate ... ..                       | 2        |                           |
| 43                | 14-0902     | Self locking nut ... ..                         | 2        |                           |
| 44                | F1747       | Spindle nut outer T.S. and D.S. ... ..          | 2        |                           |
| 45                | WM3         | Tyre security bolt ... ..                       | 2        |                           |
| 46                | W3425       | Inner nut D.S. ... ..                           | 1        |                           |
| 47                | W1467       | Pivot pin ... ..                                | 1        |                           |

\* 53T rear sprocket W3412 } Used on later  
 † Rear wheel C/W 53T sprocket W3583 } machines

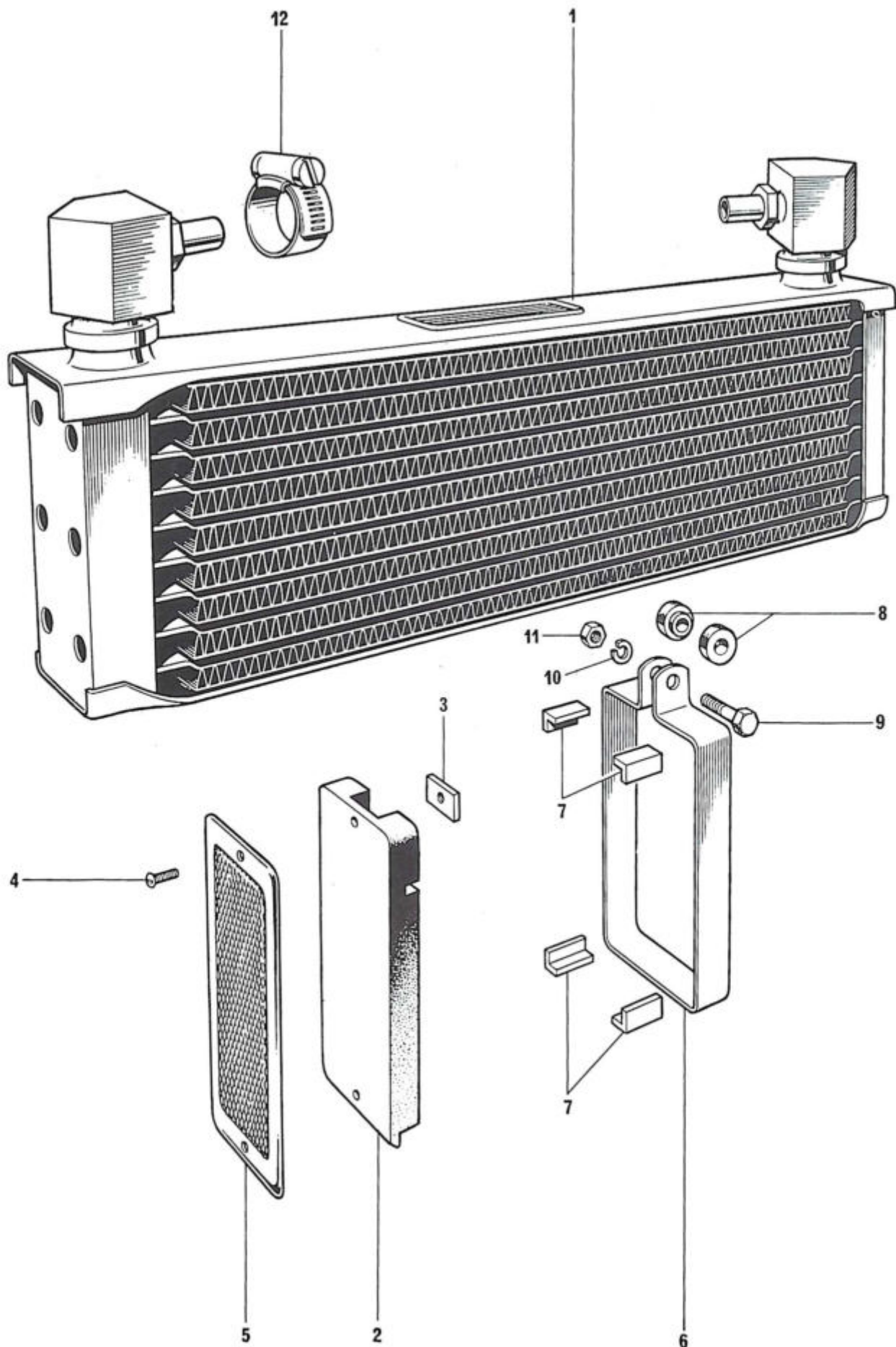
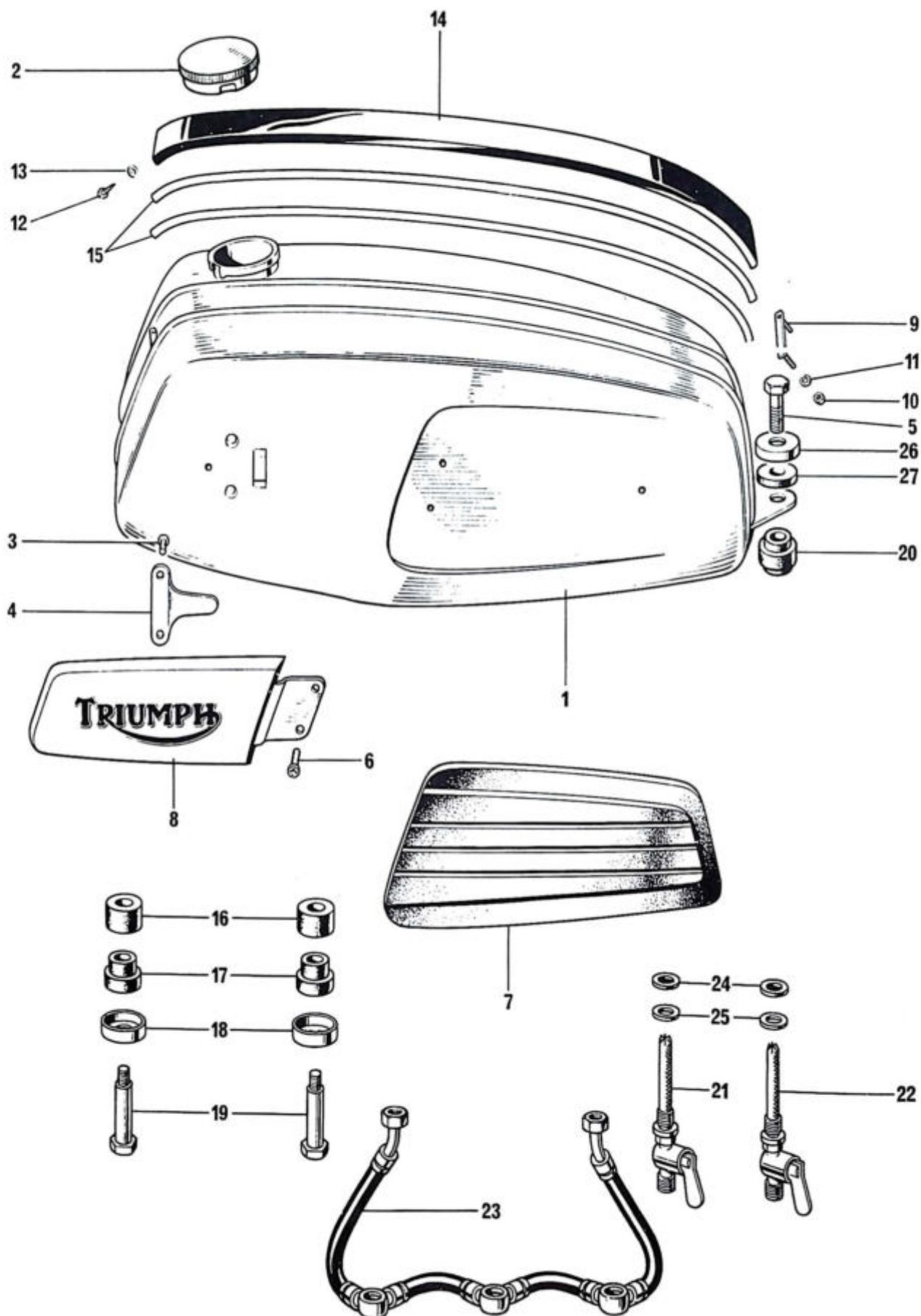


Fig. 23. OIL COOLER

| Ref. No.                | Part No. | DESCRIPTION                                 | QUANTITY | REMARKS |
|-------------------------|----------|---------------------------------------------|----------|---------|
| <b>OIL COOLER GROUP</b> |          |                                             |          |         |
| 1                       | F9315    | Oil cooler, including unions ... ..         | 1        |         |
| 2                       | F9907    | Reflector rubber and plate ... ..           | 2        |         |
| 3                       | F9573    | Reflector nut ... ..                        | 4        |         |
| 4                       | S1940    | Reflector screw ... ..                      | 4        |         |
| 5                       | S7160    | Reflector ... ..                            | 2        |         |
| 6                       | F9317    | Support strap ... ..                        | 2        |         |
| 7                       | F9322    | Corner packing ... ..                       | 8        |         |
| 8                       | F9321    | Rubber bush ... ..                          | 4        |         |
| 9                       | F9323    | Clamp bolt ( $\frac{1}{2}$ in. U.H.) ... .. | 2        |         |
| 10                      | E2351    | Spring washer ... ..                        | 2        |         |
| 11                      | F4717    | Nut ... ..                                  | 2        |         |
| 12                      | D702     | Clip ... ..                                 | 2        |         |



**Fig.24. PETROL (GAS) TANK**

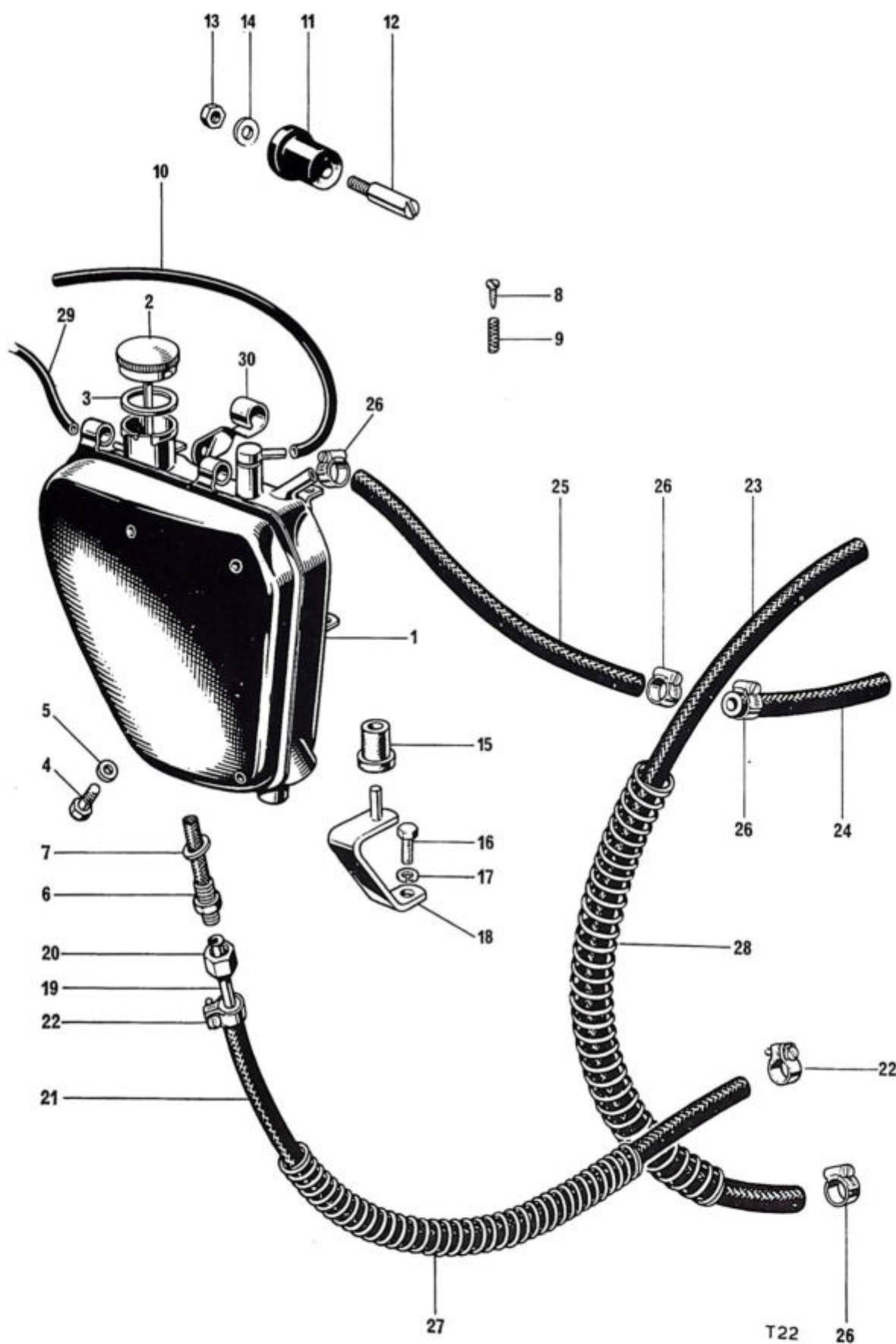
| Ref. No. | Part No. | DESCRIPTION | QUANTITY | REMARKS |
|----------|----------|-------------|----------|---------|
|----------|----------|-------------|----------|---------|

### PETROL (GAS) TANK

|            |        |                                                  |     |     |     |     |     |     |   |
|------------|--------|--------------------------------------------------|-----|-----|-----|-----|-----|-----|---|
| 1          | F11338 | PETROL TANK                                      | ... | ... | ... | ... | ... | ... | 1 |
| not illus. | A56    | Transfer "World Record Holder"                   | ... | ... | ... | ... | ... | ... | 1 |
| not illus. | A61    | Transfer "Made in England"                       | ... | ... | ... | ... | ... | ... | 1 |
| 2          | F3220  | Filler Cap                                       | ... | ... | ... | ... | ... | ... | 1 |
| 3          | S1804  | Screw, tank motif clip ( $\frac{1}{4}$ in. U.H.) | ... | ... | ... | ... | ... | ... | 4 |
| 4          | F9381  | Spring clip motif                                | ... | ... | ... | ... | ... | ... | 2 |
| 5          | F7388  | Bolt for tank rear                               | ... | ... | ... | ... | ... | ... | 1 |
| 6          | F4715  | Screw, motif ( $\frac{1}{32}$ in. U.H.)          | ... | ... | ... | ... | ... | ... | 4 |
| 7          | F9372  | Knee grip D.S.                                   | ... | ... | ... | ... | ... | ... | 1 |
| 7          | F9373  | Knee grip T.S.                                   | ... | ... | ... | ... | ... | ... | 1 |
| 8          | F9360  | Tank motif D.S.                                  | ... | ... | ... | ... | ... | ... | 1 |
| 8          | F9361  | Tank motif T.S.                                  | ... | ... | ... | ... | ... | ... | 1 |
| 9          | F9449  | Tensioner (for band)                             | ... | ... | ... | ... | ... | ... | 1 |
| 10         | H919   | Nut                                              | ... | ... | ... | ... | ... | ... | 2 |
| 11         | F4019  | Spring washer                                    | ... | ... | ... | ... | ... | ... | 2 |
| 12         | S1804  | Screw                                            | ... | ... | ... | ... | ... | ... | 2 |
| 13         | E2351  | Washer                                           | ... | ... | ... | ... | ... | ... | 2 |
| 14         | F9450  | Centre band                                      | ... | ... | ... | ... | ... | ... | 1 |
| 15         | F9451  | Centre band beading                              | ... | ... | ... | ... | ... | ... | 2 |
| 16         | F5228  | Top rubber (front support)                       | ... | ... | ... | ... | ... | ... | 2 |
| 17         | F9543  | Spigotted rubber (front support)                 | ... | ... | ... | ... | ... | ... | 2 |
| 18         | F3814  | Bottom cup (front support)                       | ... | ... | ... | ... | ... | ... | 2 |
| 19         | †F9446 | Bolt (front support)                             | ... | ... | ... | ... | ... | ... | 2 |
| 20         | F5336  | Rubber rear mounting...                          | ... | ... | ... | ... | ... | ... | 1 |
| 21         | F4971  | Petrol tap (reserve) L.H.                        | ... | ... | ... | ... | ... | ... | 1 |
| 22         | F4972  | Petrol tap (main) R.H.                           | ... | ... | ... | ... | ... | ... | 1 |
| 23         | F9436  | Petrol pipe (assembly)                           | ... | ... | ... | ... | ... | ... | 1 |
| 24         | E7351  | Tap seal                                         | ... | ... | ... | ... | ... | ... | 2 |
| 25         | F10002 | Steel washer                                     | ... | ... | ... | ... | ... | ... | 2 |
| 26         | F3814  | Cup for rear mounting                            | ... | ... | ... | ... | ... | ... | 1 |
| 27         | F967   | Washer for rear tank fixing                      | ... | ... | ... | ... | ... | ... | 1 |

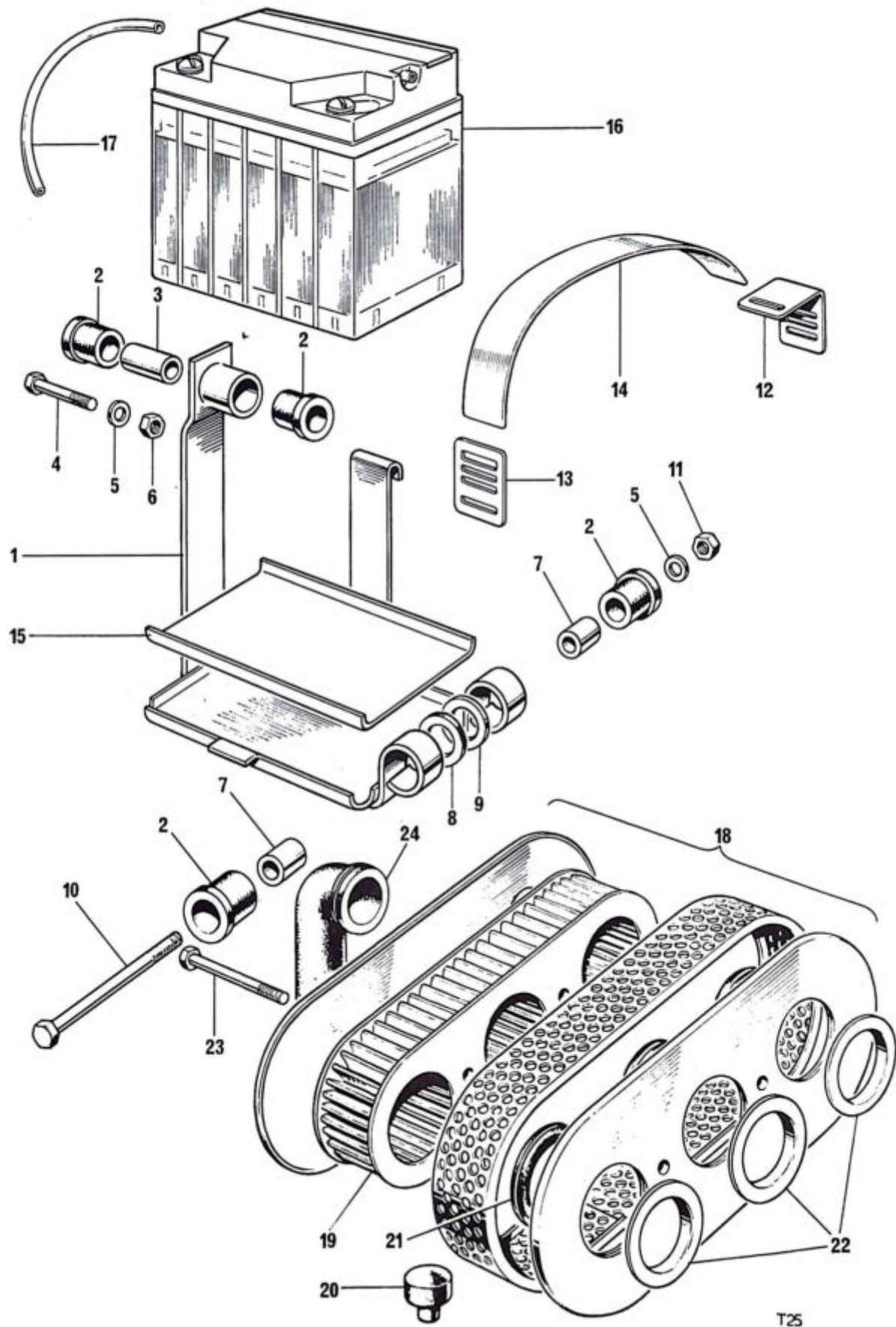
†Later models use:—

|         |      |     |     |     |     |     |     |     |       |
|---------|------|-----|-----|-----|-----|-----|-----|-----|-------|
| S1883   | Stud | ... | ... | ... | ... | ... | ... | ... | 2 off |
| 14-1302 | Nut  | ... | ... | ... | ... | ... | ... | ... | 2 off |



**Fig. 25. OIL TANK**

| Ref. No.        | Part No.   | DESCRIPTION                                  | QUANTITY | REMARKS |
|-----------------|------------|----------------------------------------------|----------|---------|
| <b>OIL TANK</b> |            |                                              |          |         |
| 1               | F9308      | Oil tank ... ..                              | 1        |         |
| Not illus.      | A40 (D778) | Transfer (gilt) ... ..                       | 1        |         |
| Not illus.      | A44 (D44)  | Transfer (gilt) ... ..                       | 1        |         |
| Not illus.      | A3         | Transfer (gilt) ... ..                       | 1        |         |
| 2               | F9659      | Filler cap ... ..                            | 1        |         |
| 3               | F4047      | Joint washer ... ..                          | 1        |         |
| 4               | F5343      | Drain plug ... ..                            | 1        |         |
| 5               | 99-0048    | Fibre washer ... ..                          | 1        |         |
| 6               | F9430      | Filter ... ..                                | 1        |         |
| 7               | F1713      | Fibre washer ... ..                          | 1        |         |
| 8               | F9435      | Metering screw ... ..                        | 1        |         |
| 9               | F6874      | Metering screw spring ... ..                 | 1        |         |
| 10              | F9664      | Extension pipe, froth tower ... ..           | 1        |         |
| 11              | F6673      | Spigotted rubber ... ..                      | 2        |         |
| 12              | F7510      | Peg, tank to frame ... ..                    | 2        |         |
| 13              | 14-0301    | Nut, tank to frame ... ..                    | 2        |         |
| 14              | S25-13     | Washer, tank to frame ... ..                 | 2        |         |
| 15              | F6039      | Bottom grommet ... ..                        | 1        |         |
| 16              | S1822      | Bottom bolt ( $\frac{1}{2}$ in. U.H.) ... .. | 1        |         |
| 17              | S26-3      | Spring washer ... ..                         | 1        |         |
| 18              | F9588      | Bottom bracket ... ..                        | 1        |         |
| 19              | F3655      | Oil feed pipe top half ... ..                | 1        |         |
| 20              | F3182      | Union nut ... ..                             | 1        |         |
| 21              | E8904      | Oil pipe flex tank, to engine ... ..         | 1        |         |
| 22              | E6848      | Oil pipe clip ... ..                         | 2        |         |
| 23              | E8905      | Oil pipe engine to oil cooler ... ..         | 1        |         |
| 24              | E8906      | Rocker to oil cooler flexible pipe ... ..    | 1        |         |
| 25              | E8907      | Cooler to oil tank flexible pipe ... ..      | 1        |         |
| 26              | D702       | Clip oil return pipe ... ..                  | 4        |         |
| 27              | F9530      | Feed pipe protection spring ... ..           | 1        |         |
| 28              | F9531      | Scavenge pipe spring ... ..                  | 1        |         |
| 29              | F9526      | Rear chain oiler pipe ... ..                 | 1        |         |
| Not illus.      | F9918      | Clip, oil pipes to frame ... ..              | 1        |         |
| 30              | F11549     | Clip for choke cable ... ..                  | 1        |         |



**Fig. 26. BATTERY CARRIER AND AIR FILTER**

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

### BATTERY CARRIER AND AIR FILTER

|            |         |                                 |   |  |
|------------|---------|---------------------------------|---|--|
| 1          | F9343   | Battery carrier ... ..          | 1 |  |
| 2          | F9351   | Spigotted rubber bush ... ..    | 4 |  |
| 3          | F9349   | Top distance tube ... ..        | 1 |  |
| 4          | 14-0221 | Top bolt (2 in. U.H.) ... ..    | 1 |  |
| 5          | S25-3   | Washer ... ..                   | 2 |  |
| 6          | 14-0302 | Nut ... ..                      | 1 |  |
| 7          | F9350   | Bottom distance tube ... ..     | 2 |  |
| 8          | F9352   | Rubber washer ... ..            | 2 |  |
| 9          | F4299   | Washer ... ..                   | 2 |  |
| 10         | 14-0228 | Bolt (4 in. U.H.) ... ..        | 1 |  |
| 11         | 14-0302 | Nut ... ..                      | 1 |  |
| 12         | F9354   | Strap buckle top ... ..         | 1 |  |
| 13         | F9355   | Strap buckle bottom ... ..      | 1 |  |
| 14         | F9353   | Retaining strap ... ..          | 1 |  |
| 15         | F8091   | Rubber battery tray ... ..      | 1 |  |
| Not illus. | A52     | Transfer, positive earth ... .. | 1 |  |
| 16         | 99-0719 | Battery PUZ5A (54027029) ... .. | 1 |  |
| 17         | F7431   | Battery vent pipe ... ..        | 1 |  |
| 18         | E9074   | AIR CLEANER C/W ELEMENT ... ..  | 1 |  |
| 19         | E9138   | Element ... ..                  | 1 |  |
| 20         | F7835   | Buffer ... ..                   | 1 |  |
| 21         | F9562   | Grommet ... ..                  | 3 |  |
| 22         | E9586   | Sleeve ... ..                   | 3 |  |
| 23         | 14-0213 | Bolt (3½ in. U.H.) ... ..       | 1 |  |
| 24         | F9563   | Connector hose ... ..           | 1 |  |

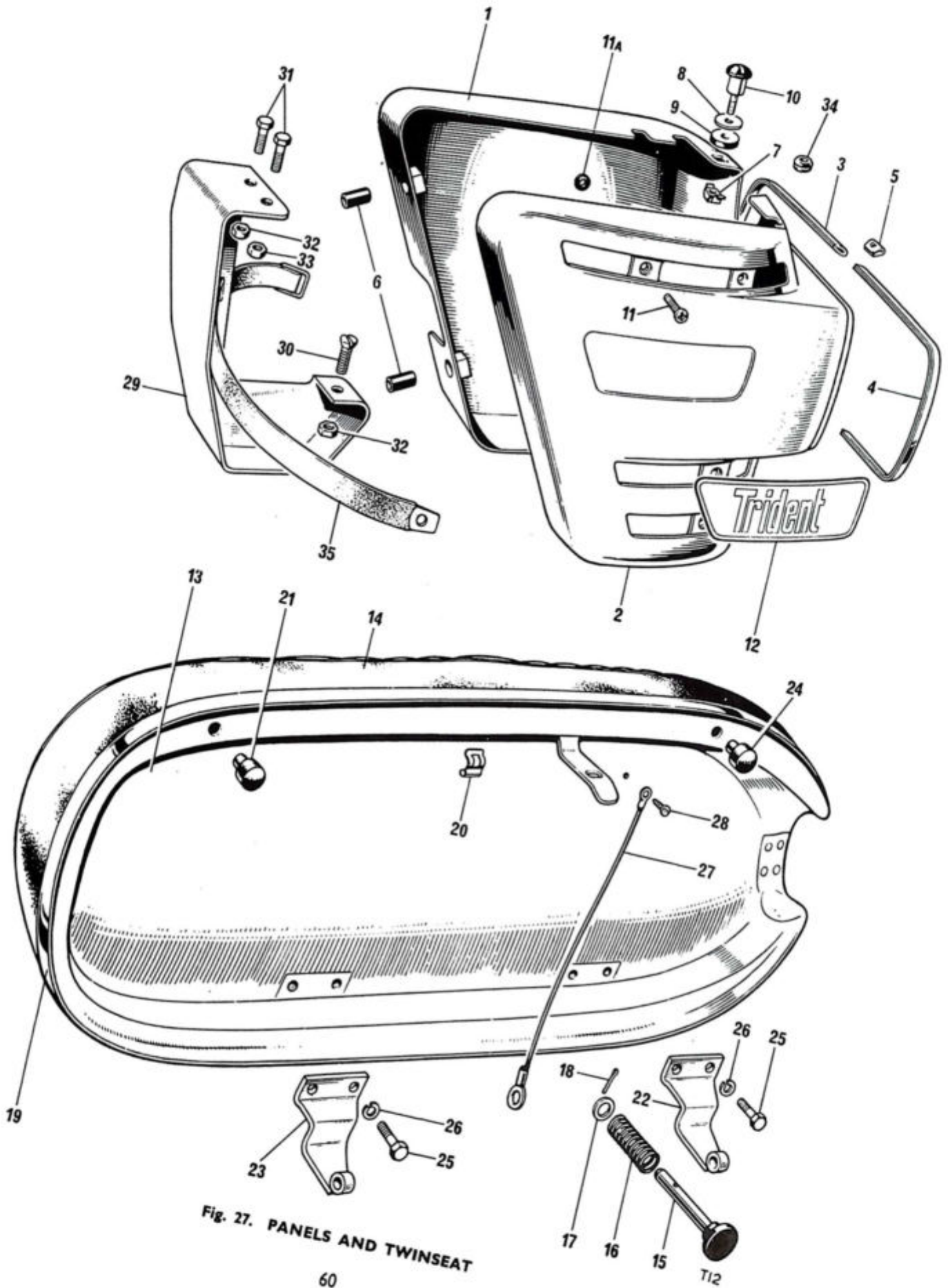
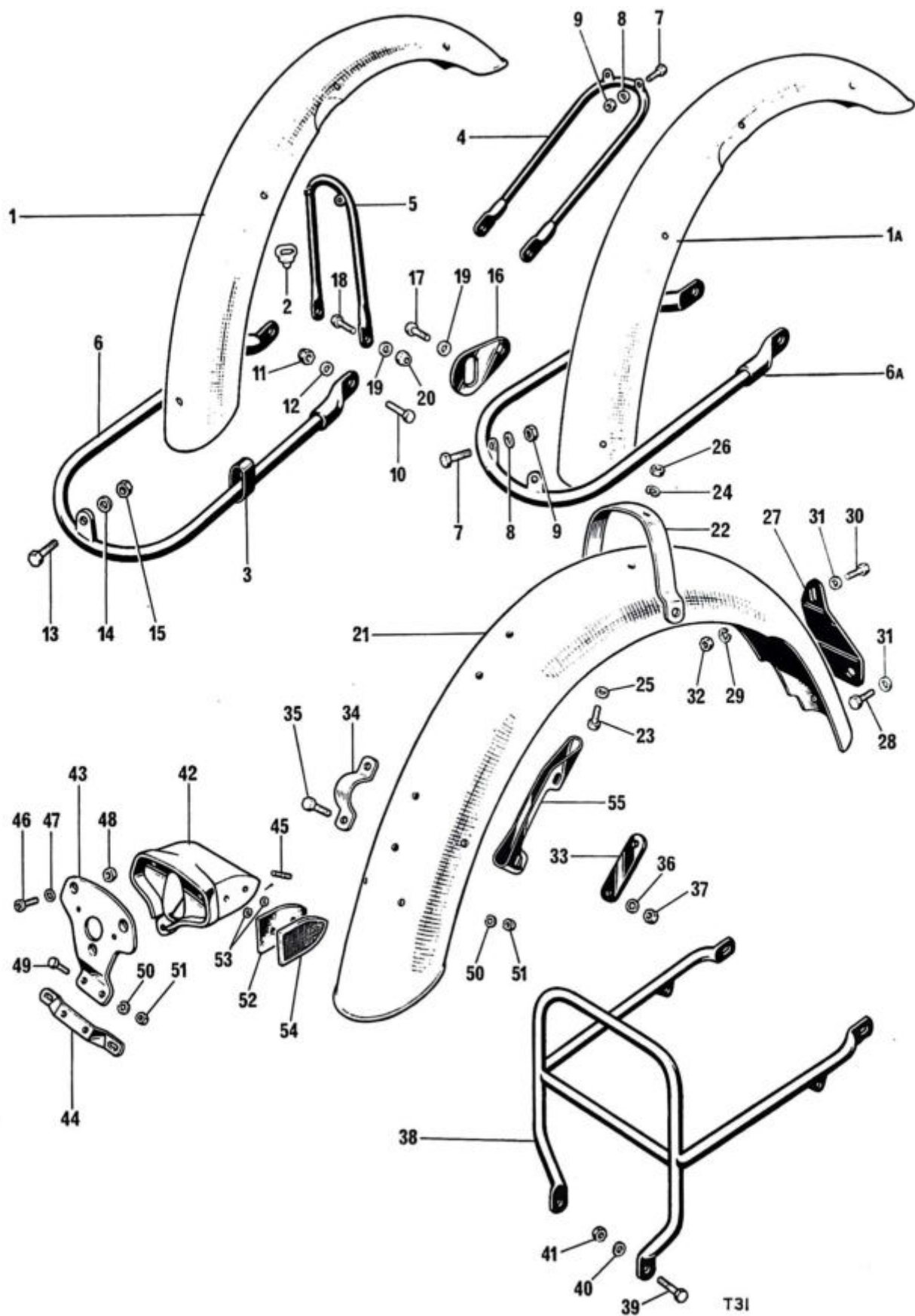


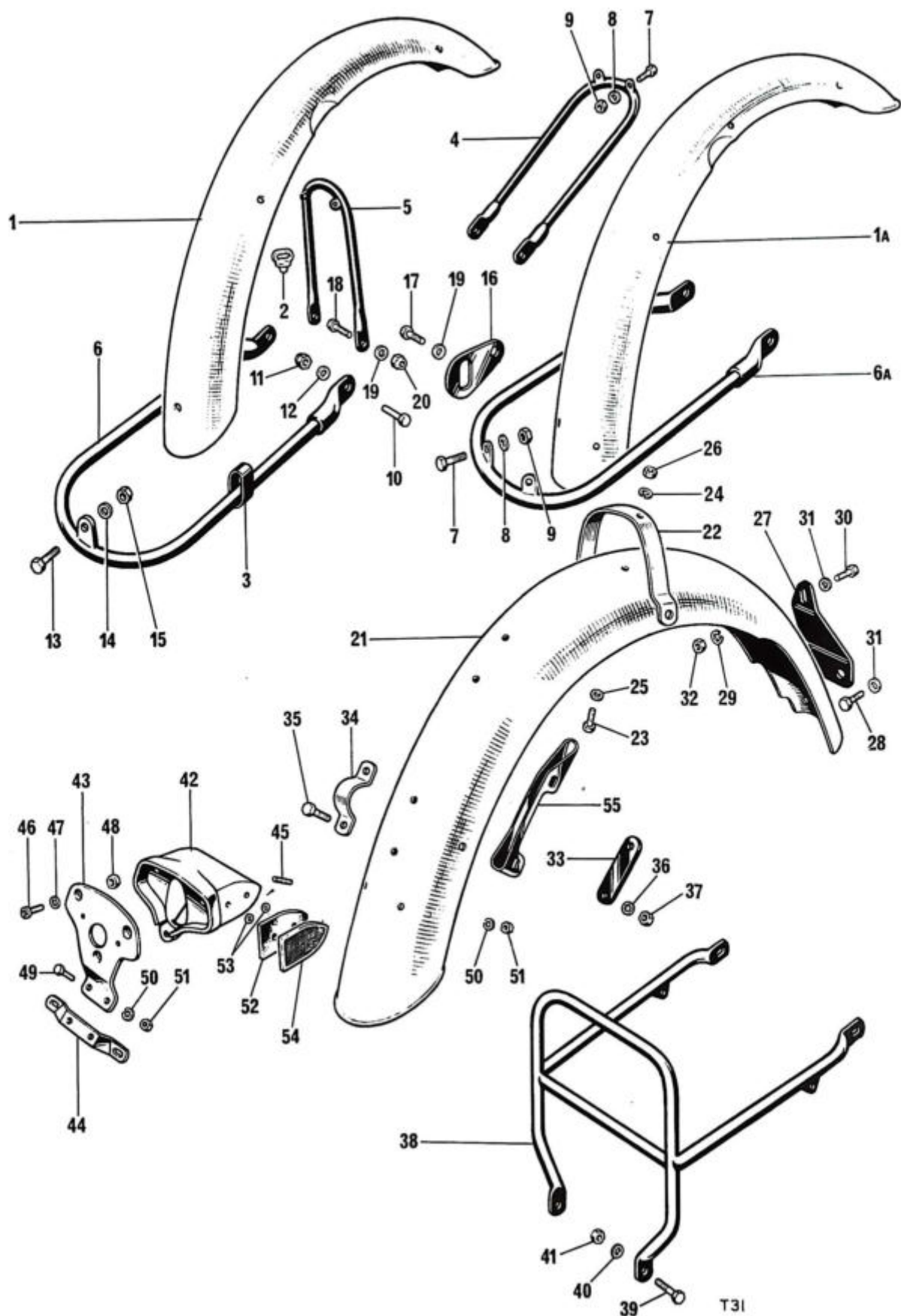
Fig. 27. PANELS AND TWINSEAT

| Ref. No.                   | Part No. | DESCRIPTION                                             | QUANTITY | REMARKS |
|----------------------------|----------|---------------------------------------------------------|----------|---------|
| <b>PANELS AND TWINSEAT</b> |          |                                                         |          |         |
| 1                          | F9362    | D.S. Panel ... ..                                       | 1        |         |
| 2                          | F9363    | T.S. Panel ... ..                                       | 1        |         |
| 3                          | F9591    | Beading D.S. ... ..                                     | 1        |         |
| 4                          | F9592    | Beading T.S. ... ..                                     | 1        |         |
| 5                          | F8631    | Clip ... ..                                             | 6        |         |
| 6                          | F6673    | Grommet ... ..                                          | 2        |         |
| 7                          | S1833    | Caged nut ... ..                                        | 1        |         |
| 8                          | S25-71   | Washer ... ..                                           | 1        |         |
| 9                          | F9442    | Rubber spacer ... ..                                    | 1        |         |
| 10                         | F9445    | Release knob ... ..                                     | 1        |         |
| 11                         | S1832    | Screw T.S. panel to oil tank ... ..                     | 4        |         |
| 11A                        | F9442    | Rubber ... ..                                           | 4        |         |
| 12                         | D1905    | Transfer 'Trident' D.S. ... ..                          | 1        |         |
| 12                         | D1906    | Transfer 'Trident' T.S.... ... ..                       | 1        |         |
| 13                         | F9996    | TWINSEAT ... ..                                         | 1        |         |
| 14                         | F9715    | Twinseat cover ... ..                                   | 1        |         |
| 15                         | F7560    | Knob ... ..                                             | 1        |         |
| 16                         | F4228    | Spring ... ..                                           | 1        |         |
| 17                         | E1719    | Washer ... ..                                           | 1        |         |
| 18                         | D2720    | Split pin $\frac{3}{32}$ in. x $\frac{1}{2}$ in. ... .. | 1        |         |
| 19                         | D696     | Trim strip ... ..                                       | 1        |         |
| 20                         | D697     | Sprag ... ..                                            | 4        |         |
| 21                         | F4898    | Buffer ... ..                                           | 1        |         |
| 22                         | F8026    | Front hinge ... ..                                      | 1        |         |
| 23                         | F7862    | Rear hinge ... ..                                       | 1        |         |
| 24                         | F7835    | Buffer ... ..                                           | 1        |         |
| 25                         | 14-0101  | Bolt, hinge ( $\frac{1}{2}$ in. U.H.) ... ..            | 4        |         |
| 26                         | S26-2    | Spring washer ... ..                                    | 4        |         |
| 27                         | D2087    | Check wire ... ..                                       | 1        |         |
| 28                         | F4483    | Self tapping screw ... ..                               | 1        |         |
| 29                         | F9650    | Toolbox ... ..                                          | 1        |         |
| 30                         | 14-0503  | Screw, toolbox to battery carrier ... ..                | 1        |         |
| 31                         | 14-0101  | Bolt ... ..                                             | 2        |         |
| 32                         | 14-0401  | Nut ... ..                                              | 2        |         |
| 33                         | 14-1301  | Nut ... ..                                              | 1        |         |
| 34                         | F9770    | Panel buffer ... ..                                     | 2        |         |
| 35                         | F9749    | Toolroll strap ... ..                                   | 1        |         |



**Fig. 28. MUDGUARDS (FENDERS)**

| Ref. No.                   | Part No. | DESCRIPTION                                                          | QUANTITY | REMARKS                          |
|----------------------------|----------|----------------------------------------------------------------------|----------|----------------------------------|
| <b>MUDGUARDS (FENDERS)</b> |          |                                                                      |          |                                  |
| 1                          | H2677    | Front mudguard ... ..                                                | 1        |                                  |
| 1A                         | H3881    | Front mudguard ... ..                                                | 1        | Later models                     |
| 2                          | H2270    | Brake cable retainer ... ..                                          | 1        |                                  |
| 3                          | H2271    | Sleeve ... ..                                                        | 1        |                                  |
| 4                          | H1681    | Front stay ... ..                                                    | 1        |                                  |
| 5                          | H1683    | Centre stay ... ..                                                   | 1        |                                  |
| 6                          | H3683    | Bottom stay ... ..                                                   | 1        |                                  |
| 6A                         | H3885    | Bottom stay ... ..                                                   | 1        | Later models                     |
| 7                          | 14-0101  | Bolt ( $\frac{1}{2}$ in. U.H.) ... ..                                | 4        | Quantity 6<br>on later<br>models |
| 8                          | S25-1    | Washer ... ..                                                        | 4        |                                  |
| 9                          | 14 0201  | Nut ... ..                                                           | 4        |                                  |
| 10                         | 14-0115  | Bolt (bottom stay to fork) ( $\frac{7}{8}$ in. U.H.) ... ..          | 2        |                                  |
| 11                         | 14-0702  | Nut (bottom stay to fork) ... ..                                     | 2        |                                  |
| 12                         | S25-3    | Washer, bottom stay to fork ... ..                                   | 2        |                                  |
| 13                         | S1822    | Bolt (bottom stay to guard) ( $\frac{1}{2}$ in. U.H.) ... ..         | 1        | Not fitted<br>to later<br>models |
| 14                         | S25-3    | Washer ... ..                                                        | 1        |                                  |
| 15                         | 14-1302  | Nut, bottom stay to guard ... ..                                     | 1        |                                  |
| 16                         | H1685    | Bracket, stays to fork leg ... ..                                    | 2        |                                  |
| 17                         | S1822    | Bolt, stays to fork leg ( $\frac{1}{2}$ in. U.H.) ... ..             | 2        |                                  |
| 18                         | 14-0115  | Bolt, stays to bracket ( $\frac{7}{8}$ in. U.H.) ... ..              | 2        |                                  |
| 19                         | F4299    | Washer, stays to bracket ... ..                                      | 2        |                                  |
| 20                         | 14-1302  | Nut, stays to bracket ... ..                                         | 2        |                                  |
| 21                         | F9310    | Rear mudguard ... ..                                                 | 1        |                                  |
| 22                         | F6915    | Bridge ... ..                                                        | 1        |                                  |
| 23                         | 14-0102  | Bolt, bridge ( $\frac{5}{8}$ in. U.H.) ... ..                        | 2        |                                  |
| 24                         | F6310    | Washer, bridge ... ..                                                | 2        |                                  |
| 25                         | S25-1    | Washer ... ..                                                        | 2        |                                  |
| 26                         | 14-1201  | Nut ... ..                                                           | 2        |                                  |
| 27                         | F6851    | Bracket (bottom front) ... ..                                        | 1        |                                  |
| 28                         | S1822    | Bolt bracket (bracket to pivot lug) ( $\frac{1}{2}$ in. U.H.) ... .. | 2        |                                  |
| 29                         | S25-1    | Plain washer ... ..                                                  | 3        |                                  |
| 30                         | 14-0101  | Bolt (bracket to guard) ( $\frac{1}{2}$ in. U.H.) ... ..             | 1        |                                  |
| 31                         | F6310    | Washer ... ..                                                        | 1        |                                  |
| 32                         | 14-1201  | Nut ... ..                                                           | 1        |                                  |
| 33                         | F6031    | Backing plate ... ..                                                 | 1        |                                  |
| 34                         | F5994    | Top clip (guard to frame rail)... ..                                 | 1        |                                  |
| 35                         | S1822    | Bolt ( $\frac{1}{2}$ in. U.H.) ... ..                                | 2        |                                  |
| 36                         | S25-3    | Washer ... ..                                                        | 2        |                                  |
| 37                         | 14-1302  | Nut ... ..                                                           | 2        |                                  |
| 38                         | F9356    | Lifting handle ... ..                                                | 1        |                                  |
| 39                         | 14-0114  | Bolt ( $\frac{3}{8}$ in. U.H.) ... ..                                | 2        |                                  |



**Fig. 29. MUDGUARDS (FENDERS)**

| Ref. No.                             | Part No. | DESCRIPTION                                                   | QUANTITY | REMARKS |
|--------------------------------------|----------|---------------------------------------------------------------|----------|---------|
| <b>MUDGUARDS (FENDERS) continued</b> |          |                                                               |          |         |
| 40                                   | F1335    | Plain washer ... ..                                           | 2        |         |
| 41                                   | 14-0702  | Nut ... ..                                                    | 2        |         |
| 42                                   | F9327    | Tail lamp support ... ..                                      | 1        |         |
| 43                                   | F6849    | Tail lamp support plate ... ..                                | 1        |         |
| 44                                   | F6850    | Number plate bracket ... ..                                   | 2        |         |
| 45                                   | S547     | Stud ( $\frac{7}{8}$ in. U.H.) ... ..                         | 1        |         |
| 46                                   | F4715    | Screw, plate to support ... ..                                | 3        |         |
| 47                                   | GS299    | Shakeproof washer ... ..                                      | 1        |         |
| 48                                   | S5161    | Nut ... ..                                                    | 1        |         |
| 49                                   | 14-0102  | Bolt (lamp bracket to guard) ( $\frac{1}{2}$ in. U.H.) ... .. | 4        |         |
| 50                                   | S25-1    | Washer ... ..                                                 | 5        |         |
| 51                                   | 14-1301  | Nut ... ..                                                    | 5        |         |
| 52                                   | F8140    | Rubber mat, reflector ... ..                                  | 2        |         |
| 53                                   | F8195    | Push fix ... ..                                               | 4        |         |
| 54                                   | F8873    | Red reflector (57111) ... ..                                  | 2        |         |
| 55                                   | F7862    | Wiring protector ... ..                                       | 1        |         |

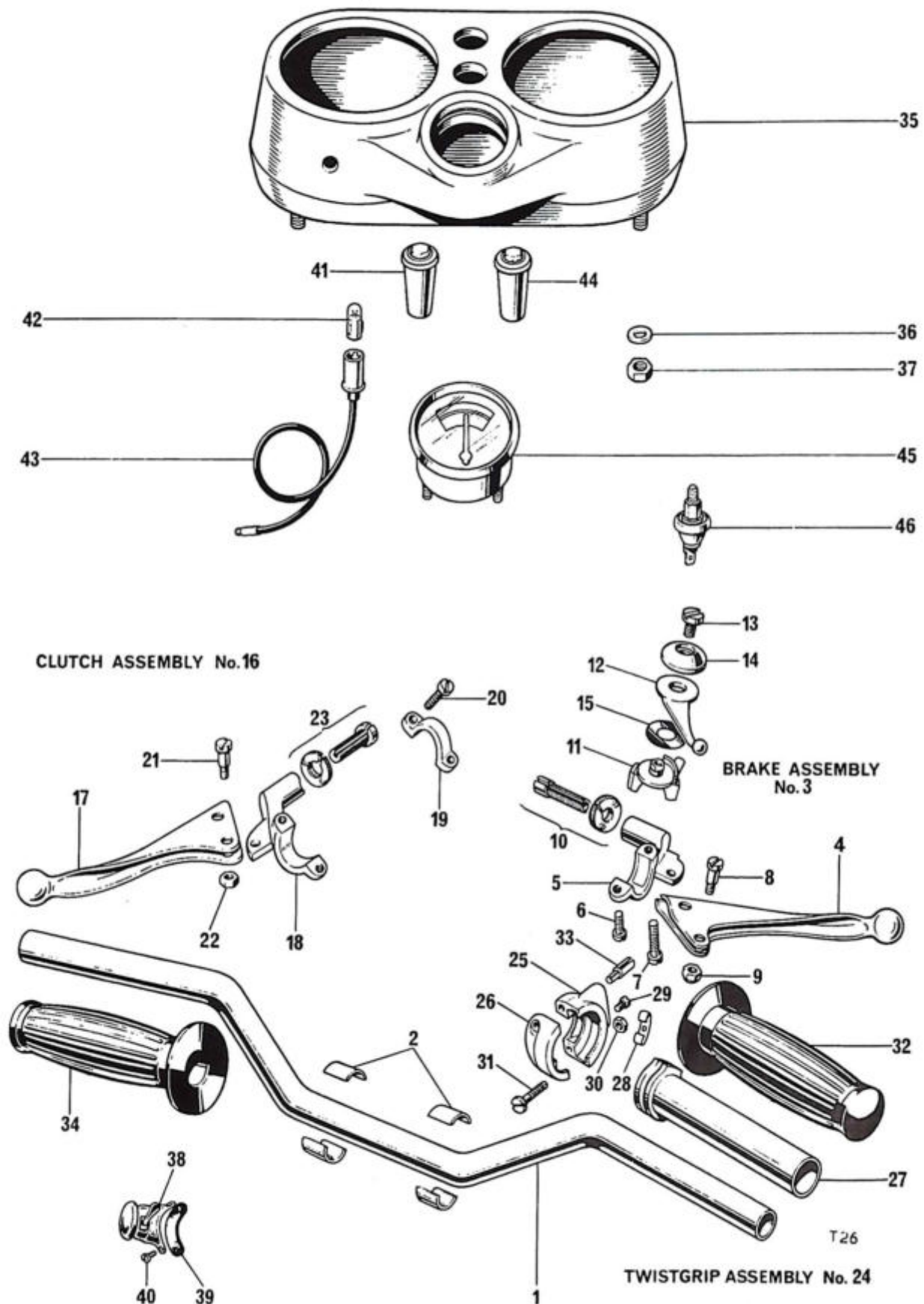


Fig. 30. HANDLEBARS, CONTROLS, BINNACLE AND OIL WARNING LIGHT

| Ref. No.                                                      | Part No. | DESCRIPTION                                | QUANTITY | REMARKS        |
|---------------------------------------------------------------|----------|--------------------------------------------|----------|----------------|
| <b>HANDLEBAR, BINNACLE, CONTROL LEVERS, OIL WARNING LIGHT</b> |          |                                            |          |                |
| 1                                                             | H1870    | Handlebar ... ..                           | 1        |                |
| 2                                                             | H1425    | Packing piece ... ..                       | 4        |                |
| 3                                                             | D2073    | FRONT BRAKE LEVER ASSEMBLY (18/978)        | 1        |                |
| 4                                                             | 99-0262  | Front lever (ball end) 18/754 ... ..       | 1        |                |
| 5                                                             | 99-0267  | Lever bracket 18/777 ... ..                | 1        |                |
| 6                                                             | 99-0226  | Screw 11/014 ... ..                        | 1        |                |
| 7                                                             | 99-0225  | Screw 11/013 ... ..                        | 1        |                |
| 8                                                             | 99-0252  | Fulcrum screw 18/087 ... ..                | 1        |                |
| 9                                                             | 99-0250  | Self locking nut 18/053 ... ..             | 1        |                |
| 10                                                            | 99-1031  | Cable adjuster and nut 18/1708/1709 ... .. | 1        |                |
| 11                                                            | 99-0234  | Control body (12/619) ... ..               | 1        |                |
| 12                                                            | 99-0228  | Lever 12/556 ... ..                        | 1        |                |
| 13                                                            | 12/607   | Bolt 12/607 ... ..                         |          | Reference only |
| 14                                                            | 12/606   | Cap 12/606 ... ..                          |          | Reference only |
| 15                                                            | 12/033   | Spring washer 12/033 ... ..                |          | Reference only |
| 16                                                            | 99-D2134 | CLUTCH LEVER ASSEMBLY 18/973               | 1        |                |
| 17                                                            | 99-1101  | Clutch lever (ball end) 18/753 ... ..      | 1        |                |
| 18                                                            | 99-0265  | Clutch lever bracket 18/820 ... ..         | 1        |                |
| 19                                                            | 99-0230  | Clamp 12/595 ... ..                        | 1        |                |
| 20                                                            | 99-0226  | Screw 11/014 ... ..                        | 2        |                |
| 21                                                            | 99-0252  | Fulcrum screw 18/087 ... ..                | 1        |                |
| 22                                                            | 99-0250  | Self locking nut 18/053 ... ..             | 1        |                |
| 23                                                            | 99-1031  | Cable adjuster and nut 18/1708/1709 ... .. | 1        |                |
| 24                                                            | 99-1102  | TWISTGRIP (364/011) ... ..                 | 1        |                |
| 25                                                            | 364/013  | Body top half ... ..                       | 1        |                |
| 26                                                            | 364/014  | Body bottom half ... ..                    | 1        |                |
| 27                                                            | 364/017  | Rotor ... ..                               | 1        |                |
| 28                                                            | 99-0238  | Friction spring 16/008 ... ..              | 1        |                |
| 29                                                            | 99-0239  | Friction spring screw 16/009 ... ..        | 1        |                |
| 30                                                            | 99-0240  | Locknut 16/010 ... ..                      | 1        |                |
| 31                                                            | 99-0225  | Screw 11/013 ... ..                        | 2        |                |
| 32                                                            | H2125    | Grip (black) ... ..                        | 1        |                |
| 33                                                            | 99-0241  | Cable stop 16/011 ... ..                   | 1        |                |
| 34                                                            | D2017    | Grip (black) ... ..                        | 1        |                |
| 35                                                            | H2297    | Binnacle ... ..                            | 1        |                |
| 36                                                            | S25-1    | Plain washer ... ..                        | 4        |                |
| 37                                                            | 14-1201  | Nut ... ..                                 | 4        |                |
| 38                                                            | 99-0555  | Dip switch 31563 ... ..                    | 1        |                |
| 39                                                            | 99-0630  | Mounting pad 380459 ... ..                 | 1        |                |
| 40                                                            | H1994    | Screw ... ..                               | 2        |                |
| 41                                                            | 99-0568  | Warning light body (red) 38189 ... ..      | 1        |                |
| 42                                                            | 99-0537  | Bulb (2V.BA7S) 281 ... ..                  | 2        |                |
| 43                                                            | 54945043 | Warning bulb holder 54945043 ... ..        |          | Reference only |
| 44                                                            | 54361250 | Warning light body (blue) 54361250 ... ..  |          | Reference only |
| 45                                                            | D1992    | Ammeter type 2AR 36421 ... ..              | 1        |                |
| 46                                                            | D2133    | Oil Warning light switch (5307/05) ... ..  | 1        |                |

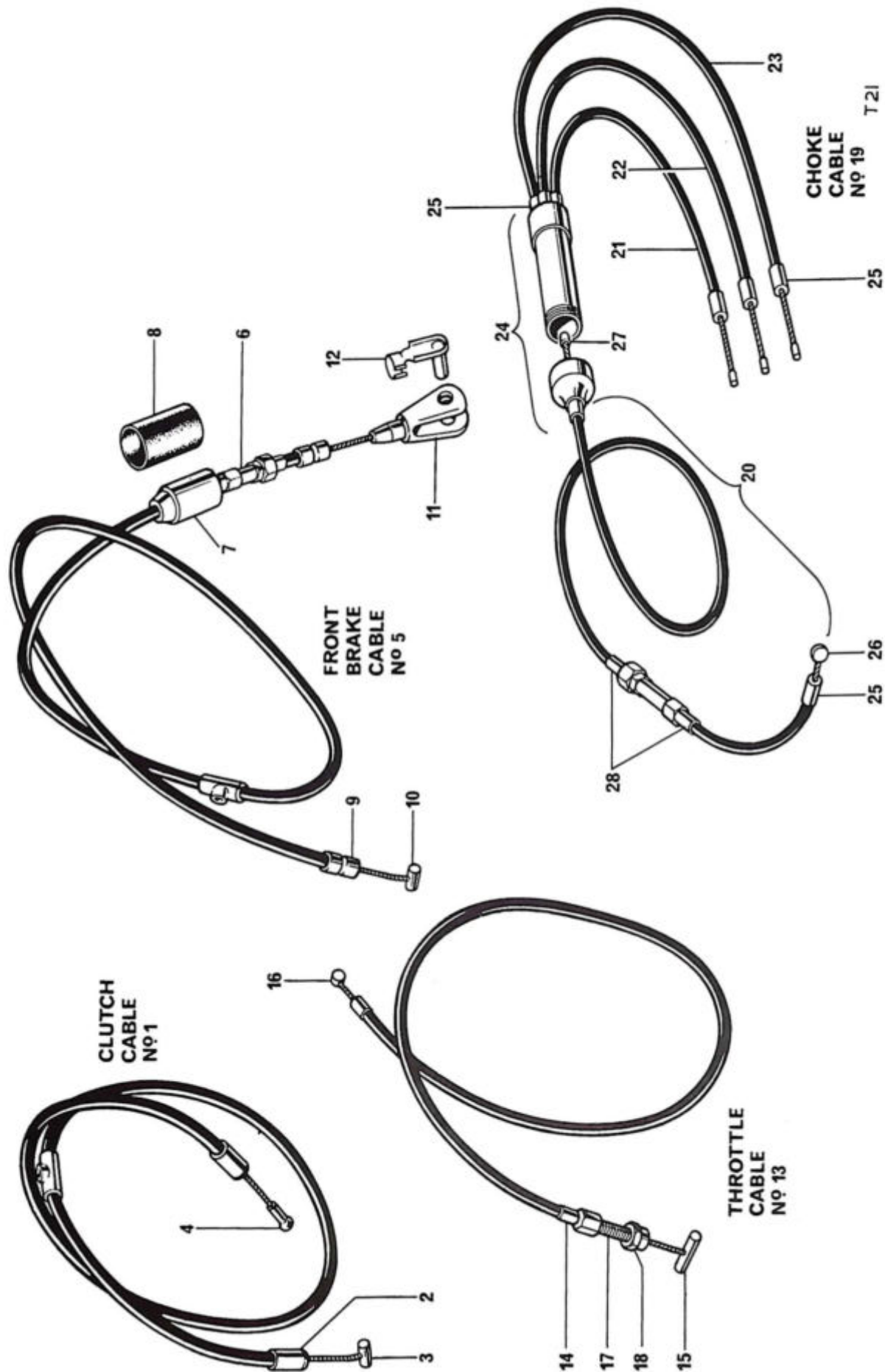
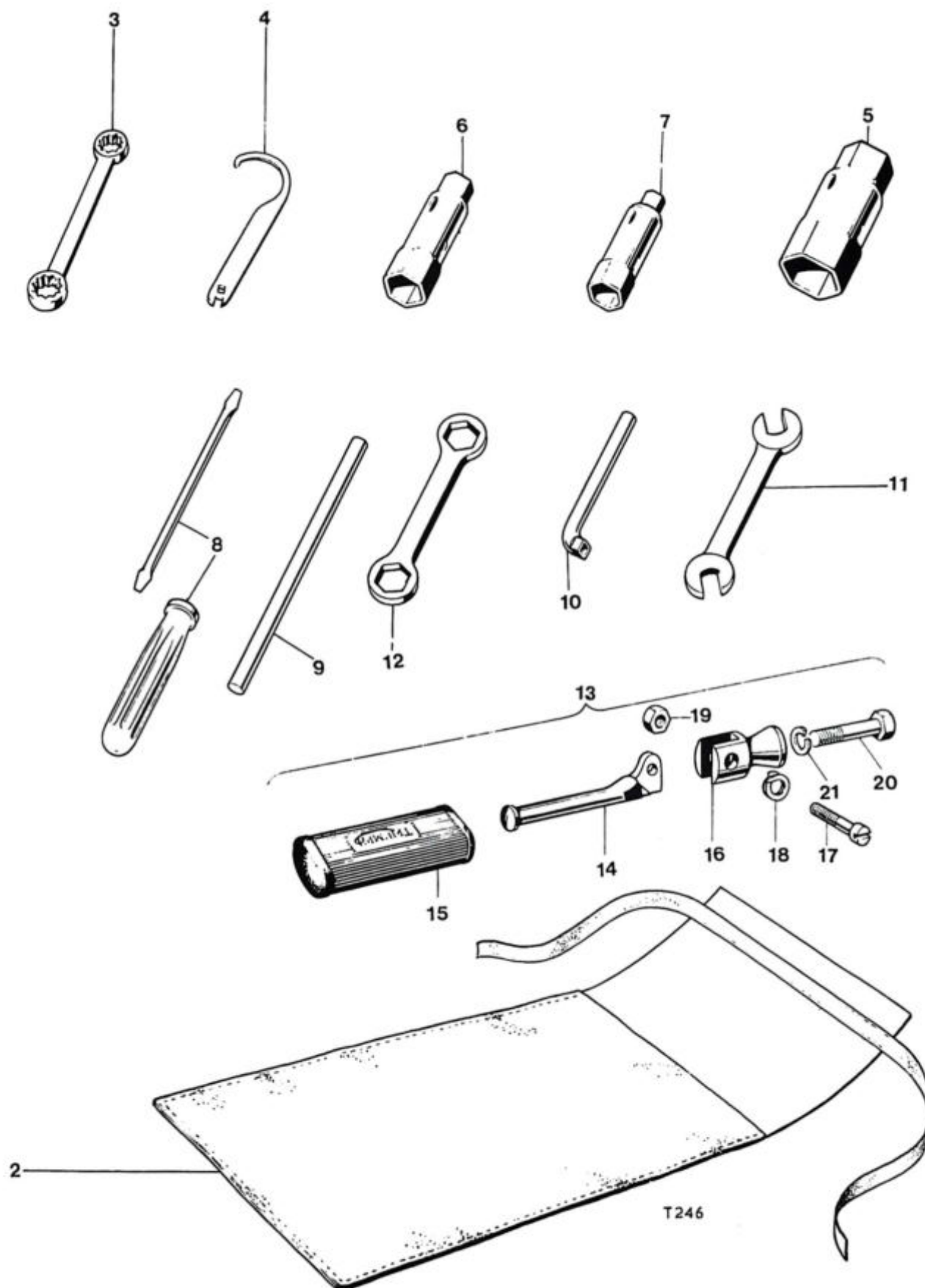


Fig. 31. CONTROL CABLES

| Ref. No.              | Part No. | DESCRIPTION                                       | QUANTITY | REMARKS                                                  |
|-----------------------|----------|---------------------------------------------------|----------|----------------------------------------------------------|
| <b>CONTROL CABLES</b> |          |                                                   |          |                                                          |
| 1                     | D2227    | CLUTCH CABLE ... ..                               | 1        |                                                          |
| 2                     | D103     | Ferrule ... ..                                    | 2        |                                                          |
| 3                     | D506     | Nipple, handlebar end ... ..                      | 1        |                                                          |
| 4                     | DS73     | Nipple, clutch end ... ..                         | 1        |                                                          |
| 5                     | D2076    | FRONT BRAKE CABLE ... ..                          | 1        | Models without the front stop switch use cable No. D2050 |
| 6                     | D2115    | Adjuster c/w locknut ... ..                       | 1        |                                                          |
| 7                     | D2085    | Stop switch ... ..                                | 1        |                                                          |
| 8                     | D2086    | Rubber sleeve ... ..                              | 1        |                                                          |
| 9                     | D103     | Ferrule ... ..                                    | 1        |                                                          |
| 10                    | D506     | Nipple, handlebar end ... ..                      | 1        |                                                          |
| 11                    | D638     | Fork end, cable ... ..                            | 1        |                                                          |
| 12                    | W2006    | Spring fix ... ..                                 | 1        |                                                          |
| 13                    | D890     | THROTTLE CABLE ... ..                             | 1        |                                                          |
| 14                    | D101     | Ferrule ... ..                                    | 2        |                                                          |
| 15                    | D83      | Nipple ... ..                                     | 1        |                                                          |
| 16                    | D2019    | Nipple ... ..                                     | 1        |                                                          |
| 17                    | D2018    | Adjuster ... ..                                   | 1        |                                                          |
| 18                    | E9253    | Locknut ... ..                                    | 1        |                                                          |
| 19                    | D1983    | CHOKE CABLE COMPLETE... ..                        | 1        |                                                          |
| 20                    | D1968    | Cable lever to junction box ... ..                | 1        |                                                          |
| 21                    | D2062    | Cable, junction box to carburetter, short ... ..  | 1        |                                                          |
| 22                    | D2061    | Cable, junction box to carburetter, medium ... .. | 1        |                                                          |
| 23                    | D2060    | Cable, junction box to carburetter, long ... ..   | 1        |                                                          |
| 24                    | 99-1018  | Junction box complete 244/2080 ... ..             | 1        |                                                          |
| 25                    | D101     | Ferrule ... ..                                    | 10       |                                                          |
| 26                    | D83      | Nipple at handlebar ... ..                        | 1        |                                                          |
| 27                    | NS191    | Nipple at junction box and carburetter ... ..     | 7        |                                                          |
| 28                    | D1968    | Adjuster complete ... ..                          | 1        |                                                          |

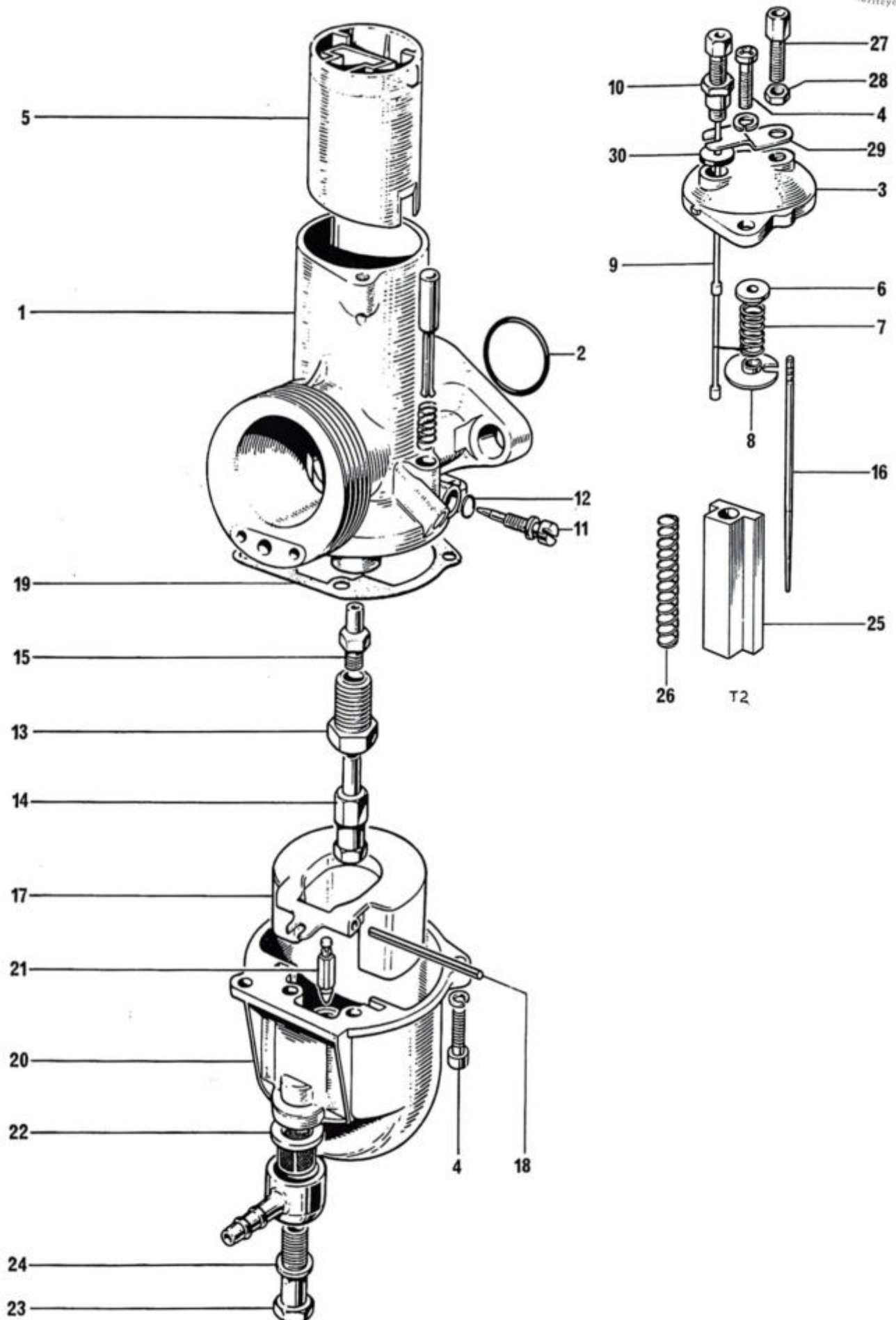


**Fig. 32. TOOLKIT AND PILLION FOOTREST**

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

### TOOLKIT AND PILLION FOOTRESTS

|    |         |                                                            |     |     |     |     |     |     |   |
|----|---------|------------------------------------------------------------|-----|-----|-----|-----|-----|-----|---|
| 1  | D1912   | TOOLKIT COMPLETE                                           | ... | ... | ... | ... | ... | ... | 1 |
| 2  | D291    | Tool roll                                                  | ... | ... | ... | ... | ... | ... | 1 |
| 3  | D1907   | Ring spanner ( $\frac{7}{8}$ in. x $\frac{1}{2}$ in. HEX.) | ... | ... | ... | ... | ... | ... | 1 |
| 4  | D2184   | "C" spanner                                                | ... | ... | ... | ... | ... | ... | 1 |
| 5  | D1908   | Box spanner ( $1\frac{1}{8}$ in. x $1\frac{5}{8}$ in.)     | ... | ... | ... | ... | ... | ... | 1 |
| 6  | D1909   | Box spanner ( $\frac{5}{8}$ in. x $1\frac{1}{8}$ in.)      | ... | ... | ... | ... | ... | ... | 1 |
| 7  | D1910   | Plug spanner                                               | ... | ... | ... | ... | ... | ... | 1 |
| 8  | D767    | Screwdriver complete                                       | ... | ... | ... | ... | ... | ... | 1 |
| 9  | D1911   | Tommy bar                                                  | ... | ... | ... | ... | ... | ... | 1 |
| 10 | D2020   | Tappet spanner                                             | ... | ... | ... | ... | ... | ... | 1 |
| 11 | D2084   | Spanner $\frac{1}{2}$ in. x $\frac{7}{8}$ in. open ended   | ... | ... | ... | ... | ... | ... | 1 |
| 12 | D311    | Ring spanner $\frac{5}{8}$ in. x $1\frac{1}{8}$ in. Hex.   | ... | ... | ... | ... | ... | ... | 1 |
| 13 | F9369   | PILLION FOOTREST ASSEMBLY                                  | ... | ... | ... | ... | ... | ... | 2 |
| 14 | F1694   | Pedal                                                      | ... | ... | ... | ... | ... | ... | 2 |
| 15 | F1695   | Rubber                                                     | ... | ... | ... | ... | ... | ... | 2 |
| 16 | F9370   | Hanger                                                     | ... | ... | ... | ... | ... | ... | 2 |
| 17 | F9371   | Pivot bolt                                                 | ... | ... | ... | ... | ... | ... | 2 |
| 18 | F2277   | Thackeray washer                                           | ... | ... | ... | ... | ... | ... | 2 |
| 19 | 14-0302 | Locknut                                                    | ... | ... | ... | ... | ... | ... | 2 |
| 20 | 14-0127 | Bolt (rest to silencer hanger) ( $\frac{7}{8}$ in. U.H.)   | ... | ... | ... | ... | ... | ... | 2 |
| 21 | S26-1   | Spring washer                                              | ... | ... | ... | ... | ... | ... | 2 |

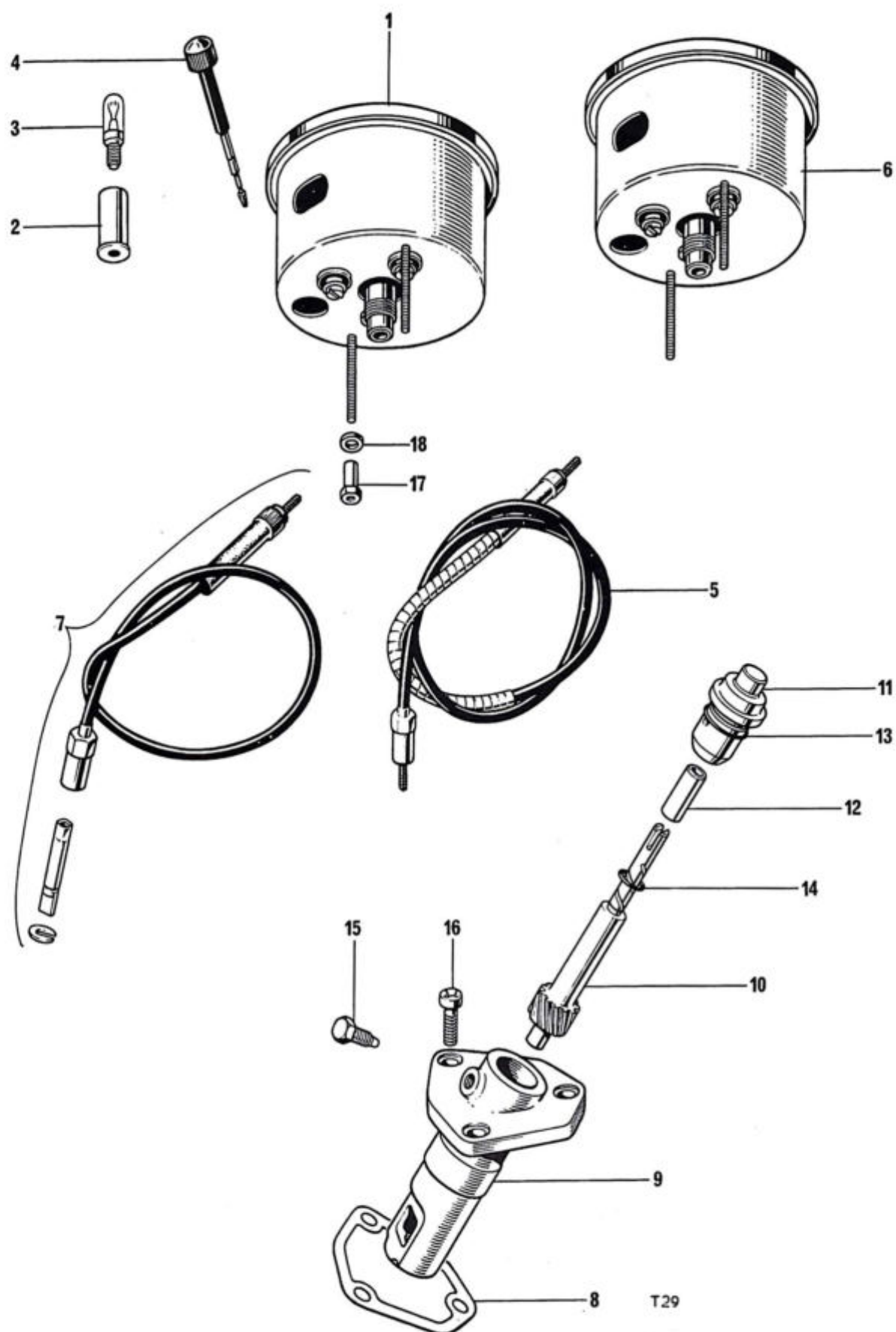


**Fig. 33. AMAL CARBURETTOR AND AIR CLEANER CONNECTIONS**

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

### AMAL CARBURETTERS

|    |         |                                          |     |     |    |
|----|---------|------------------------------------------|-----|-----|----|
| 1  | D1957   | CARBURETTER TYPE 626 R.H. (Amal R626/16) | ... | ... | 1  |
| 1  | D1985   | CARBURETTER CENTRE (Amal R626/14)        | ... | ... | 1  |
| 1  | D1986   | CARBURETTER L.H. (Amal L626/15)          | ... | ... | 1  |
| 2  | 99-0522 | 'O' ring seal 622/101                    | ... | ... | 3  |
| 3  | 99-1019 | Mixing chamber top 622/097               | ... | ... | 3  |
| 4  | 99-0521 | Screw 622/086                            | ... | ... | 12 |
| 5  | 99-0506 | Throttle valve (No. 3) 622/060           | ... | ... | 3  |
| 6  | D1959   | Top spring abutment                      | ... | ... | 3  |
| 7  | D1960   | Spring                                   | ... | ... | 3  |
| 8  | D1987   | Bottom spring abutment                   | ... | ... | 3  |
| 9  | D1984   | Throttle rod assembly                    | ... | ... | 3  |
| 10 | E9253   | Locknut                                  | ... | ... | 3  |
| 11 | 99-0515 | Pilot air screw 622/076                  | ... | ... | 3  |
| 12 | 99-0520 | Friction 'O' ring 622/082                | ... | ... | 4  |
| 13 | 99-0519 | Jet holder 622/128                       | ... | ... | 3  |
| 14 | 99-1020 | Main jet (150) 376/100                   | ... | ... | 3  |
| 15 | 99-1035 | Needle jet (106) 622/122                 | ... | ... | 3  |
| 16 | 99-1036 | Needle (Standard) 622/124                | ... | ... | 3  |
| 17 | 99-0512 | Float 622/069                            | ... | ... | 3  |
| 18 | 99-0513 | Float spindle 622/071                    | ... | ... | 3  |
| 19 | 99-0514 | Joint washer 622/073                     | ... | ... | 3  |
| 20 | 99-0506 | Float chamber 622/050                    | ... | ... | 3  |
| 21 | 99-0511 | Float needle 622/068                     | ... | ... | 3  |
| 22 | 99-0438 | Filter (376/093)                         | ... | ... | 3  |
| 23 | 99-0517 | Banjo bolt (622/078)                     | ... | ... | 3  |
| 24 | 99-1100 | Fibre washer (13/163)                    | ... | ... | 3  |
| 25 | 99-1021 | Air slide 622/062                        | ... | ... | 3  |
| 26 | 99-0509 | Spring 622/065                           | ... | ... | 3  |
| 27 | 99-1024 | Cable adjuster 4/035                     | ... | ... | 3  |
| 28 | 99-0224 | Locknut 5/077                            | ... | ... | 3  |
| 29 | 99-1022 | Clip 622/125                             | ... | ... | 3  |
| 30 | 99-1023 | Sealing rubber 622/126                   | ... | ... | 3  |



**Fig. 34. SPEEDOMETER AND TACHOMETER**

| Ref. No.                          | Part No. | DESCRIPTION                                        | QUANTITY | REMARKS                                                                      |
|-----------------------------------|----------|----------------------------------------------------|----------|------------------------------------------------------------------------------|
| <b>SPEEDOMETER AND TACHOMETER</b> |          |                                                    |          |                                                                              |
| 1                                 | D1930    | Speedometer head MPH (SSM5001/06)                  | 1        | (Was previously RSM 3003/09—similar but with different bulb-holder location) |
| 1A                                | D2199    | Speedometer head KPH (SSM5001/12)                  | 1        | Available                                                                    |
| 2                                 | 54953446 | Bulb holder                                        | 1        | Reference only                                                               |
| 3                                 | 643      | Bulb                                               | 2        |                                                                              |
| 4                                 | 99-0176  | Trip control 41-148-203-10                         | 1        |                                                                              |
| 5                                 | D1963    | Speedometer cable 68 in. long                      | 1        |                                                                              |
| 6                                 | D1949    | Tachometer head (RSM 3003/01)                      | 1        |                                                                              |
| 7                                 | D1903    | Tachometer cable                                   | 1        |                                                                              |
| 8                                 | E8739    | Joint washer, tacho drive                          | 1        |                                                                              |
| 9                                 | E8740    | Housing tacho driven gear                          | 1        |                                                                              |
| 10                                | E8741    | Driven gear                                        | 1        |                                                                              |
| 11                                | E8742    | Tacho bearing housing                              | 1        |                                                                              |
| 12                                | E6124    | Bush                                               | 1        |                                                                              |
| 13                                | E3309    | 'O' ring housing                                   | 1        |                                                                              |
| 14                                | E6299    | 'O' ring, driven gear                              | 1        |                                                                              |
| 15                                | E8744    | Locating screw, housing                            | 1        |                                                                              |
| 16                                | 14-6605  | Screw, housing to c/case ( $\frac{7}{8}$ in. U.H.) | 3        |                                                                              |
| 17                                | H3632    | Sleeve nut, speedometer fixing                     | 4        |                                                                              |
| 18                                | GS308    | Washer                                             | 4        |                                                                              |

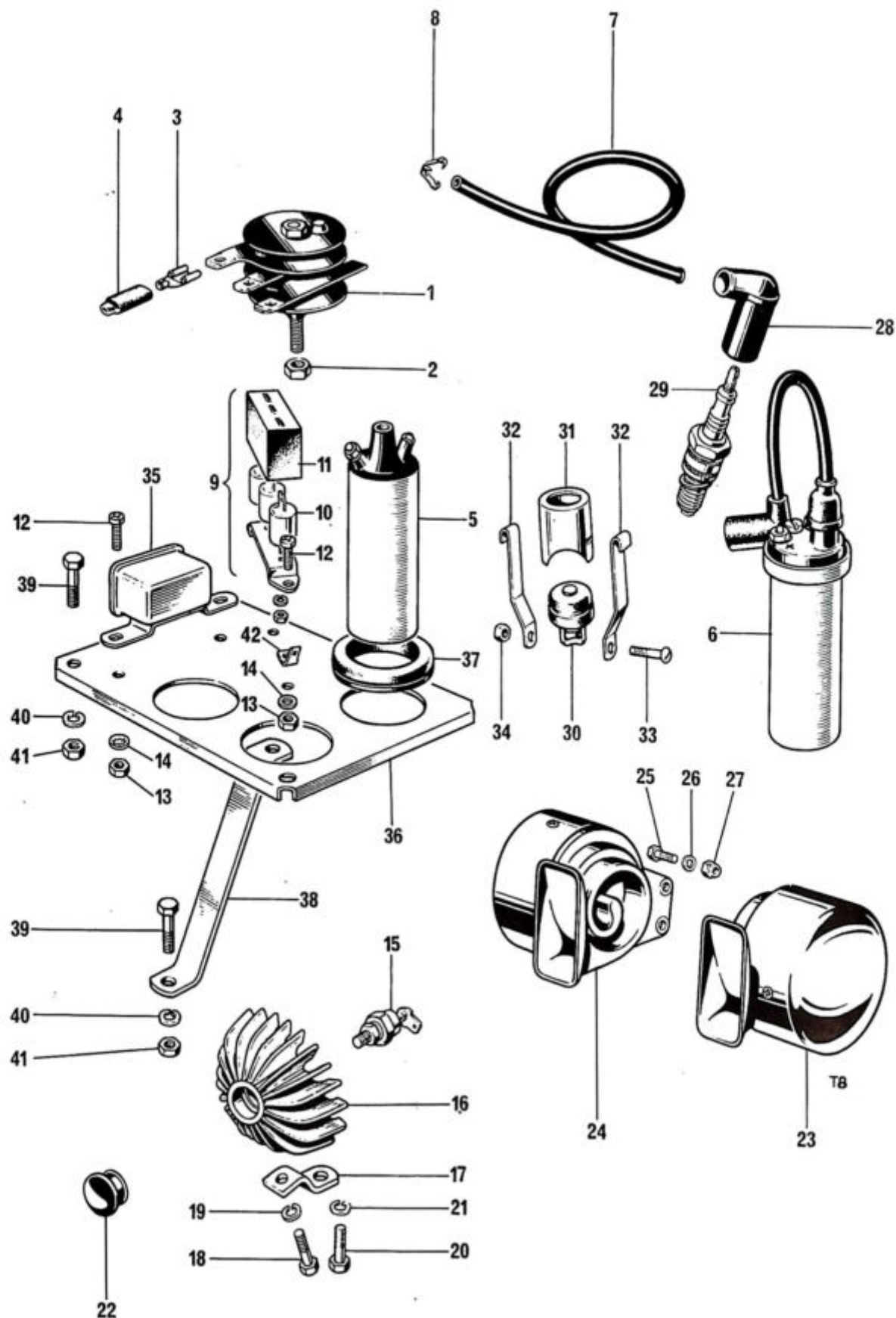


Fig. 35. IGNITION COILS, HORNS, RECTIFIER AND ZENER DIODE

| Ref. No.                                            | Part No. | DESCRIPTION                                                  | QUANTITY    | REMARKS              |
|-----------------------------------------------------|----------|--------------------------------------------------------------|-------------|----------------------|
| <b>IGNITION COILS, HORNS, RECTIFIER ZENER DIODE</b> |          |                                                              |             |                      |
| 1                                                   | D756     | Rectifier (49072) ... ..                                     | 1           |                      |
| 2                                                   | F5338    | Nut (156596) ... ..                                          | 1           |                      |
| 3                                                   | 99-0799  | Lucar connector 54942078 ... ..                              | as required |                      |
| 4                                                   | 99-0738  | Insulating cover 54190042 ... ..                             | as required |                      |
| 5                                                   | E6388    | Ignition coil, Siba 32000 ... ..                             | 3           |                      |
| 6                                                   | D2203    | Ignition coil Lucas 17M12 (45221) ... ..                     | 3           | Later models only    |
| 7                                                   | 54956435 | H.T. lead (7 mm. cable) NON RESISTIVE ... ..                 | 3           | For Lucas Coils      |
| 7                                                   | 842189   | H.T. lead (7 mm. cable) NON RESISTIVE ... ..                 | 3           | For SIBA Coils       |
| 8                                                   | 99-0644  | H.T. lead clip (421863)... ..                                | 3           | For Lucas Coils only |
| 9                                                   | D1935    | CAPACITOR PACK 3CP (47637) ... ..                            | 1           |                      |
| 10                                                  | 99-0766  | Capacitor 54420128 ... ..                                    | 3           |                      |
| 11                                                  | 99-0767  | Cover 54418528 ... ..                                        | 1           |                      |
| 12                                                  | F10033   | Screw pack to plate and relay to plate ... ..                | 5           |                      |
| 13                                                  | F3799    | Nut ... ..                                                   | 4           |                      |
| 14                                                  | GS299    | Shakeproof washer ... ..                                     | 4           |                      |
| 15                                                  | 99-0590  | Zener diode 49345 ... ..                                     | 1           |                      |
| 16                                                  | H2237    | Heat sink ... ..                                             | 1           |                      |
| 17                                                  | H2236    | Bracket (sink to fork lug) ... ..                            | 1           |                      |
| 18                                                  | 14-6102  | Bolt (bracket to heat sink) ( $\frac{5}{8}$ in. U.H.) ... .. | 1           |                      |
| 19                                                  | S26-2    | Washer ... ..                                                | 1           |                      |
| 20                                                  | 14-0113  | Bolt bracket ( $\frac{5}{8}$ in. U.H.) ... ..                | 1           |                      |
| 21                                                  | S26-3    | Washer ... ..                                                | 1           |                      |
| 22                                                  | H2275    | Plug, heat sink ... ..                                       | 1           |                      |
| 23                                                  | D1900    | Horn, R.H. Windtone (Clearhooter P201) ... ..                | 1           |                      |
| 24                                                  | D1901    | Horn, L.H. Windtone (Clearhooter P101) ... ..                | 1           |                      |
| 25                                                  | 14-0103  | Bolt, horn to bracket ( $\frac{7}{8}$ in. U.H.) ... ..       | 4           |                      |
| 26                                                  | S25-1    | Washer ... ..                                                | 4           |                      |
| 27                                                  | 14-1201  | Nut ... ..                                                   | 4           |                      |
| 28                                                  | D1964    | Spark plug cover ... ..                                      | 3           |                      |
| 29                                                  | D911     | Spark plug N3 ... ..                                         | 3           |                      |
| 30                                                  | D1937    | Cut out switch type 151SA (35835) ... ..                     | 1           |                      |
| 31                                                  | H2259    | Cup ... ..                                                   | 1           |                      |
| 32                                                  | H2034    | Clip ... ..                                                  | 2           |                      |
| 33                                                  | H687     | Screw ... ..                                                 | 1           |                      |
| 34                                                  | H745     | Nut ... ..                                                   | 1           |                      |
| 35                                                  | 99-1022  | Horn relay 33188 ... ..                                      | 1           |                      |
| 36                                                  | F9564    | Platform ... ..                                              | 1           |                      |
| 37                                                  | F9561    | Grommet ... ..                                               | 3           |                      |
| 38                                                  | F9565    | Platform stay ... ..                                         | 1           |                      |
| 39                                                  | 14-0101  | Bolt ... ..                                                  | 4           |                      |
| 40                                                  | S26-2    | Washer ... ..                                                | 4           |                      |
| 41                                                  | 14-0301  | Nut ... ..                                                   | 4           |                      |
| 42                                                  | D2068    | Lucar blade-condenser earth 54190038 ... ..                  | 1           |                      |

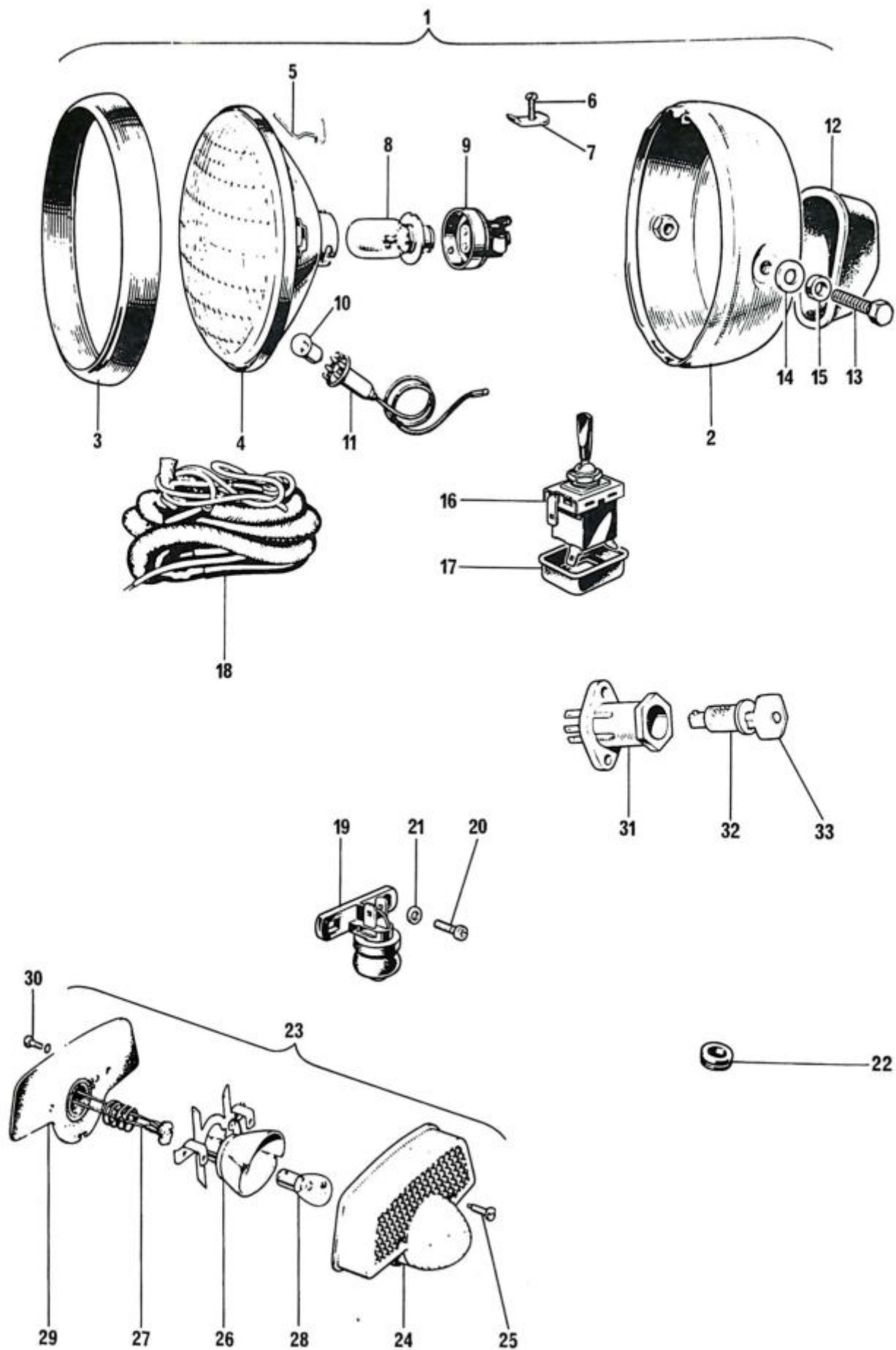


Fig. 36. HEADLAMP, WIRING HARNESS SWITCHES AND TAIL LAMP

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

## HEADLAMP, WIRING HARNESS, SWITCHES AND TAIL LAMP

|            |          |                                                           |     |     |     |     |                |
|------------|----------|-----------------------------------------------------------|-----|-----|-----|-----|----------------|
| 1          | 99-1029  | HEADLAMP COMPLETE MCH69 (59892)                           | ... | ... | ... | 1   |                |
| 2          | 54524099 | Shell 54524099                                            | ... | ... | ... | ... | Reference only |
| 3          | 99-0692  | Rim 553248                                                | ... | ... | ... | ... | 1              |
| 4          | 99-0686  | Light unit 516798                                         | ... | ... | ... | ... | 1              |
| 5          | 99-0683  | Fixing wire 504665                                        | ... | ... | ... | ... | 6              |
| 6          | 144921   | Screw                                                     | ... | ... | ... | ... | Reference only |
| 7          | 554408   | Plate                                                     | ... | ... | ... | ... | Reference only |
| 8          | 99-0545  | Bulb (50/40W. vertical dip pre focus) 446                 | ... | ... | ... | ... | 1              |
| 9          | 99-1003  | Main bulbholder 54520540                                  | ... | ... | ... | ... | 1              |
| 10         | 99-0548  | Bulb (6W. M.C.C.) 989                                     | ... | ... | ... | ... | 1              |
| 11         | 99-0695  | Pilot bulb holder 554710                                  | ... | ... | ... | ... | 1              |
| 12         | 99-1026  | Rubber cover 54524048                                     | ... | ... | ... | ... | 1              |
| 13         | 112201   | Bolt 112201                                               | ... | ... | ... | ... | Reference only |
| 14         | 137498   | Plain washer 137498                                       | ... | ... | ... | ... | Reference only |
| 15         | H1932    | Distance piece                                            | ... | ... | ... | ... | 2              |
| 16         | 99-0563  | Lighting switch type 57SA (35710)                         | ... | ... | ... | ... | 1              |
| 17         | F9692    | Switch rubber cover                                       | ... | ... | ... | ... | 1              |
| 18         | D2124    | Wiring harness 54955732                                   | ... | ... | ... | ... | 1              |
| 19         | 99-1028  | Stoplamp switch 118SA (34815)                             | ... | ... | ... | ... | 1              |
| 20         | F4715    | Screw, switch to engine plate ( $\frac{13}{32}$ in. U.H.) | ... | ... | ... | ... | 1              |
| 21         | E2351    | Washer, switch to engine plate                            | ... | ... | ... | ... | 1              |
| 22         | 199001   | Rubber grommet (tail lead at guard) 199001                | ... | ... | ... | ... | Reference only |
| 23         | 99-0597  | STOP AND TAIL LAMP, type L697 (53973)                     | ... | ... | ... | ... | 1              |
| 24         | 99-1046  | Lens (54577109)                                           | ... | ... | ... | ... | 1              |
| 25         | 144921   | Screw                                                     | ... | ... | ... | ... | 2              |
| 26         | 54578213 | Bulb holder with reflector                                | ... | ... | ... | ... | 1              |
| 27         | 99-0701  | Contact assembly 573828                                   | ... | ... | ... | ... | 1              |
| 28         | 99-0542  | Bulb (6/21W. offset pin) 380                              | ... | ... | ... | ... | 1              |
| 29         | 99-0780  | Gasket 54571677                                           | ... | ... | ... | ... | 1              |
| 30         | 110714   | Screw                                                     | ... | ... | ... | ... | Reference only |
| 31         | 99-0558  | Ignition switch, type S45 (31899)                         | ... | ... | ... | ... | 1              |
| 32         | F6981    | IGNITION LOCK C/W KEYS                                    | ... | ... | ... | ... | 1              |
| 33         | D622     | Ignition key (state serial number)                        | ... | ... | ... | ... | 2              |
| not illus. | H2262    | Rubber cover, ignition switch                             | ... | ... | ... | ... | 1              |