

# **TRIUMPH**

# **REPLACEMENT PARTS CATALOG**

Publication No 00-5738

**FOR 1974**

## **TRIDENT MODEL T150V.**

**Commencing at motor/frame No. CJ41610**

### **IMPORTANT**

**REPLACEMENT PARTS CAN BE OBTAINED THROUGH  
NORMAL TRADE CHANNELS ONLY.**

**NORTON TRIUMPH INTERNATIONAL LIMITED**

**KITTS GREEN - BIRMINGHAM B33. 0LF. - ENGLAND.**

**TELEPHONE. BIRMINGHAM 021-783-3657. - TELEX 339478.**

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## INTRODUCTION

Norton Triumph International Ltd. print out that the information contained in this catalog was complete and correct at the time of printing. Distributors will be informed of any subsequent alterations.

### WARRANTY

Please refer to your local dealer or distributor for the latest terms of warranty.

#### Western U.S.A. Distributor:

Triumph Norton Incorporated,  
P.O. Box 2765,  
East Huntington Drive,  
Ogato,  
California 91040.

Telex—Tricon Duarte 675469  
Telephone—213-359-1221  
213-681-0255

### MOTOR AND FRAME NUMBERS

The motor number is located on the left side of the engine, immediately below the cylinder barrel to crankcase flange.

The frame number is located on the left side of the frame headlug, forward of the gasoline tank.

The motor and frame number (both of which are the same), should be quoted in full in any correspondence relating to the machine.

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## PROPRIETARY GROUP

Auxiliary 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 in England of the various manufacturers:—

### **CARBURETORS.**

Messrs. Amal Ltd.,  
Hedford Road,  
Winton,  
Birmingham, 6.

### **SPARK PLUGS.**

Champion Sparking Plug Co. Ltd.,  
Feltham,  
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### **CHAINS.**

Renold Chain Ltd.,  
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61, Hampton Street,  
Birmingham, 13.

### **SUSPENSION UNITS.**

Messrs. Girling Ltd.,  
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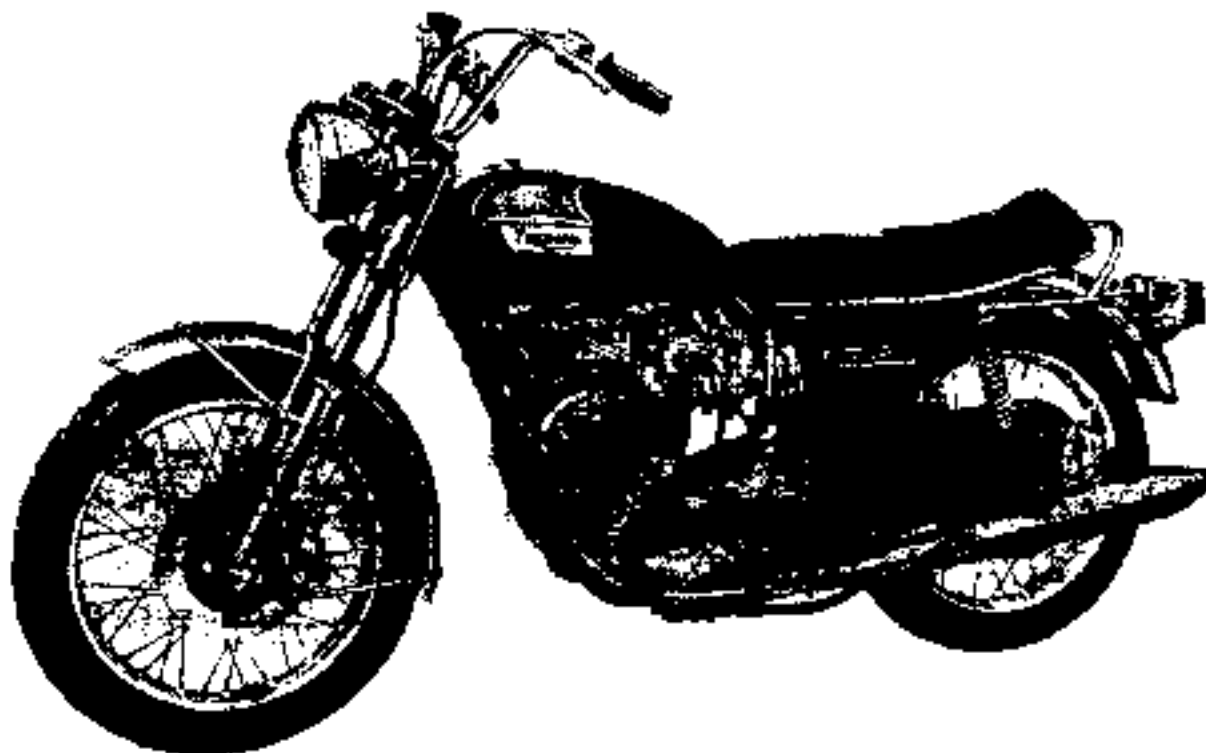
### **TIRES.**

Dunlop Co. Ltd.,  
Forc Dunlop,  
Birmingham, 24.

The Avon Rubber Co. Ltd.,  
Melksham  
Wiltshire

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### TRIDENT (T 150V) TECHNICAL DATA

|                   |     |     |     |     |     |     |     |     |                                                                                                              |
|-------------------|-----|-----|-----|-----|-----|-----|-----|-----|--------------------------------------------------------------------------------------------------------------|
| Bore and stroke   | ... | ... | ... | ... | ... | ... | ... | ... | 67 - 70 mm.                                                                                                  |
| Capacity          | ... | ... | ... | ... | ... | ... | ... | ... | 2.67 - 2.75" ins.<br>741 cm <sup>3</sup> (45 cu. ins.)                                                       |
| Compression ratio | ... | ... | ... | ... | ... | ... | ... | ... | 9.5 : 1 (U.S.A.), 8.5 (General)                                                                              |
| Spark plugs       | ... | ... | ... | ... | ... | ... | ... | ... | Champion N3                                                                                                  |
| Carburetors       | ... | ... | ... | ... | ... | ... | ... | ... | 3 Ama Concentric 626                                                                                         |
|                   |     |     |     |     |     |     |     |     | 150                                                                                                          |
|                   |     |     |     |     |     |     |     |     | 106                                                                                                          |
|                   |     |     |     |     |     |     |     |     | No. 3 $\frac{1}{2}$                                                                                          |
|                   |     |     |     |     |     |     |     |     | 18 teeth                                                                                                     |
| Gearbox sprocket  | ... | ... | ... | ... | ... | ... | ... | ... |                                                                                                              |
| Chains            | ... | ... | ... | ... | ... | ... | ... | ... | $\frac{3}{8}$ " Triplex x 82 links                                                                           |
|                   |     |     |     |     |     |     |     |     | $\frac{3}{8}$ " x $\frac{1}{4}$ " x 105 links (107, U.S.A.)                                                  |
| Capacities        | ... | ... | ... | ... | ... | ... | ... | ... |                                                                                                              |
|                   |     |     |     |     |     |     |     |     | Fuel Tank ... 4.2 U.S. gals. (3 $\frac{3}{4}$ Imp. gals.)<br>(15.94 litres)                                  |
|                   |     |     |     |     |     |     |     |     | Oil Tank ... 6 U.S. pints (5 Imp. pints)<br>(2.8 litres) working capacity                                    |
|                   |     |     |     |     |     |     |     |     | Transmission (Gearbox) ... 1 $\frac{1}{2}$ U.S. pints (1 $\frac{1}{2}$ Imp. pints)<br>(850 cm <sup>3</sup> ) |
|                   |     |     |     |     |     |     |     |     | Primary Chaincase ... $\frac{1}{2}$ U.S. pint ( $\frac{1}{2}$ Imp. pints) (350 cm <sup>3</sup> )             |
|                   |     |     |     |     |     |     |     |     | Front Forks (each leg) ... 230 cm <sup>3</sup>                                                               |
| Tire size         | ... | ... | ... | ... | ... | ... | ... | ... |                                                                                                              |
|                   |     |     |     |     |     |     |     |     | Front ... 4.10 - 19 ins.                                                                                     |
|                   |     |     |     |     |     |     |     |     | Rear ... 4.75 - 19 ins.                                                                                      |

# HOW TO USE THIS PARTS CATALOG

First check that the motor 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. If proprietary parts are marked 'reference only', they are not available from the factory, and application should be made direct to the manufacturer concerned (see page 3).

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

## COLOR

Gasolene tank—Sundance yellow/Black  
Fenders—Chromium plated.  
Side covers—Black

N.B. It is important to state year, model and frame number of machine when ordering enamelled components.

## PLEASE NOTE

THROUGHOUT THIS LIST, ASSEMBLIES ARE PRINTED IN CAPITAL LETTERS 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.

## ABBREVIATIONS

J.H. .... Length measured from under the bolt head  
O.A. .... Overall length.  
R.H. .... Right hand side.  
L.H. .... Left hand side.  
C.W. .... complete with.  
D.S. .... Driving side (motor)  
T.S. .... Timing gear side (motor).

## SPECIAL WORKSHOP TOOLS

A COMPLETE LIST OF WORKSHOP TOOLS CAN BE MADE AVAILABLE BY CONTACTING YOUR DEALER. 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 DEALER.

# **PISTON, PISTON RING AND BEARING OVERSIZES**

## **PISTONS (Complete with rings, wrist pins and circlips)**

These are in effect "carton pack" assemblies

|                         |   |                              |   |
|-------------------------|---|------------------------------|---|
| Compression ratio 9.5:1 | { | 70-9741 Std.                 | } |
|                         |   | 70-9762 — .010 in. oversize  |   |
|                         |   | 70-9763 — .020 in. oversize  |   |
|                         |   | 70-9764 — .040 in. oversize. |   |

## **PISTON RINGS**

|         |   |                                |   |                      |
|---------|---|--------------------------------|---|----------------------|
| 99-3780 | { | 2 off 70-6838 Compression ring | } | Std                  |
|         |   | 1 off 70-9739 Scraper ring     |   |                      |
| 99-3781 | { | 2 off 70-9016 Compression ring | } | — .010 in. oversize. |
|         |   | 1 off 70-9766 Scraper ring     |   |                      |
| 99-3782 | { | 2 off 70-9017 Compression ring | } | — .020 in. oversize  |
|         |   | 1 off 70-9767 Scraper ring     |   |                      |
| 99-3783 | { | 2 off 70-9018 Compression ring | } | — .040 in. oversize. |
|         |   | 1 off 70-9768 Scraper ring     |   |                      |

## **BIG END BEARINGS SHELLS**

|               |                       |
|---------------|-----------------------|
| 70-599B Shell | Std.                  |
| 70-9023 Shell | — .010 in. undersize. |
| 70-9024 Shell | — .020 in. undersize. |
| 70-9025 Shell | — .030 in. undersize. |
| 70-9026 Shell | — .040 in. undersize. |

## **MAIN BEARING SHELLS**

|         |                       |
|---------|-----------------------|
| 70-9027 | — .010 in. undersize. |
| 70-9028 | — .020 in. undersize. |
| 70-9029 | — .030 in. undersize. |
| 70-9030 | — .040 in. undersize. |

## **CYLINDER BLOCK**

|         |                      |
|---------|----------------------|
| 70-6529 | Std.                 |
| 71-2507 | — .010 in. oversize. |
| 71-2508 | — .020 in. oversize. |
| 71-2509 | — .04 in. oversize.  |

## **VALVE GUIDES**

|         |                      |
|---------|----------------------|
| 71-3280 | — .002 in. oversize. |
| 71-3281 | — .015 in. oversize. |

## **GASKET SETS**

|          |         |
|----------|---------|
| DECOKE   | 99-0039 |
| OVERHAUL | 99-0030 |

## **FRONT BRAKE**

|                            |         |
|----------------------------|---------|
| Master cylinder repair kit | 99-2768 |
| Brake pad kit.             | 99-2769 |

## **MOTOR/GEARBOX**

|          |                   |
|----------|-------------------|
| Assembly | 71-3247. (U.S.A.) |
|          | 71-4070 (General) |

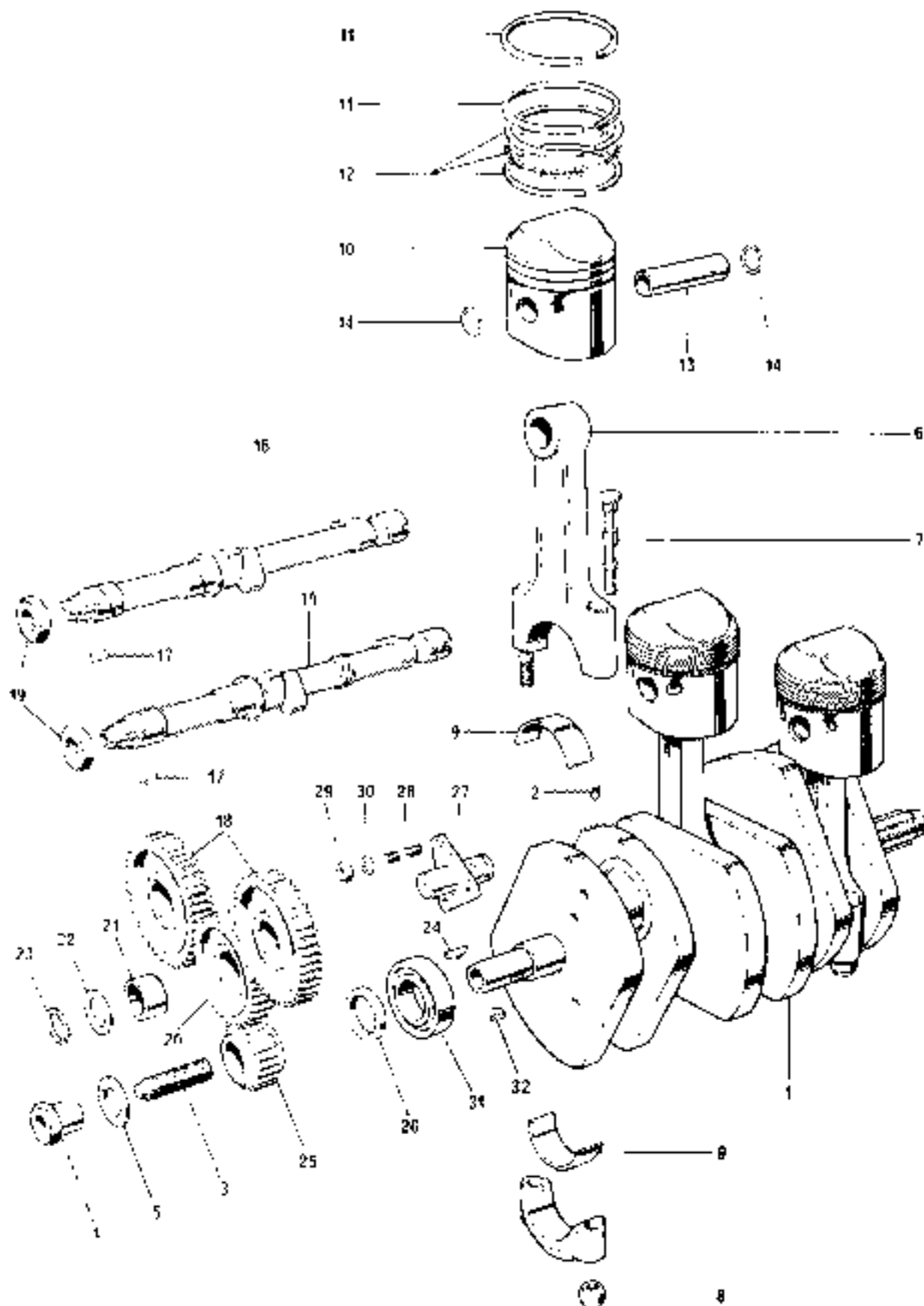


FIG. 1. CRANKSHAFT AND CONNECTING RODS

**CRANKSHAFT AND CONNECTING RODS**

|    |         |                                   |   |
|----|---------|-----------------------------------|---|
| 1  | 71-3307 | CRANKSHAFT ASSEMBLY ... ..        | 1 |
| 2  | 70-6577 | Oilway plug ... ..                | 4 |
| 3  | 21-2185 | Rotor stud (1½ in. O.A.) ... ..   | 1 |
| 4  | 70-8763 | Rotor nut ... ..                  | 1 |
| 5  | 70-3975 | Washer ... ..                     | 1 |
| 6  | 70-9740 | CON ROD ASSEMBLY ... ..           | 3 |
| 7  | 70-9727 | Bolt con rod ... ..               | 2 |
| 8  | 60-3761 | Nut con rod ... ..                | 2 |
| 9  | 70-5990 | *Bearing, big end ... ..          | 6 |
| 10 | 70-9741 | *PISTON ASSEMBLY ... ..           | 3 |
| 11 | 70-6838 | †Taper piston ring ... ..         | 2 |
| 12 | 70-9739 | Scraper ring ... ..               | 1 |
| 13 | 70-6836 | Wrist pin (Gudgeon pin) ... ..    | 1 |
| 14 | 70-6840 | Circlip ... ..                    | 2 |
| 15 | 70-8765 | Exhaust camshaft ... ..           | 1 |
| 16 | 70-8764 | Intake camshaft ... ..            | 1 |
| 17 | 70-1558 | Key, camshaft ... ..              | 2 |
| 18 | 71-2718 | Pinion camshaft ... ..            | 2 |
| 19 | 70-6523 | Nut, camshaft ... ..              | 2 |
| 20 | 71-2246 | Intermediate timing gear ... ..   | 1 |
| 21 | 71-2248 | Bronze bush ... ..                | 1 |
| 22 | 70-6088 | Thrust washer ... ..              | 1 |
| 23 | 70-8768 | Circlip ... ..                    | 1 |
| 24 | 70-1582 | Key timing pinion ... ..          | 1 |
| 25 | 70-6524 | Timing pinion ... ..              | 1 |
| 26 | 70-6173 | Distance piece ... ..             | 1 |
| 27 | 71-2250 | Spindle, intermediate gear ... .. | 1 |
| 28 | 21-0547 | Stud (½ in. O.A.) ... ..          | 3 |
| 29 | 14-0401 | Nut, intermediate gear ... ..     | 3 |
| 30 | 60-4250 | Washer ... ..                     | 3 |
| 31 | 70-8780 | Main bearing (roller) ... ..      | 1 |
| 32 | 70-8144 | Key-rotor ... ..                  | 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

**ALTERNATIVE FITMENTS (NOT USA)**

|         |                               |     |   |
|---------|-------------------------------|-----|---|
| 71-4069 | Piston assembly 8.25 : 1 C.R. | ... | 3 |
|---------|-------------------------------|-----|---|

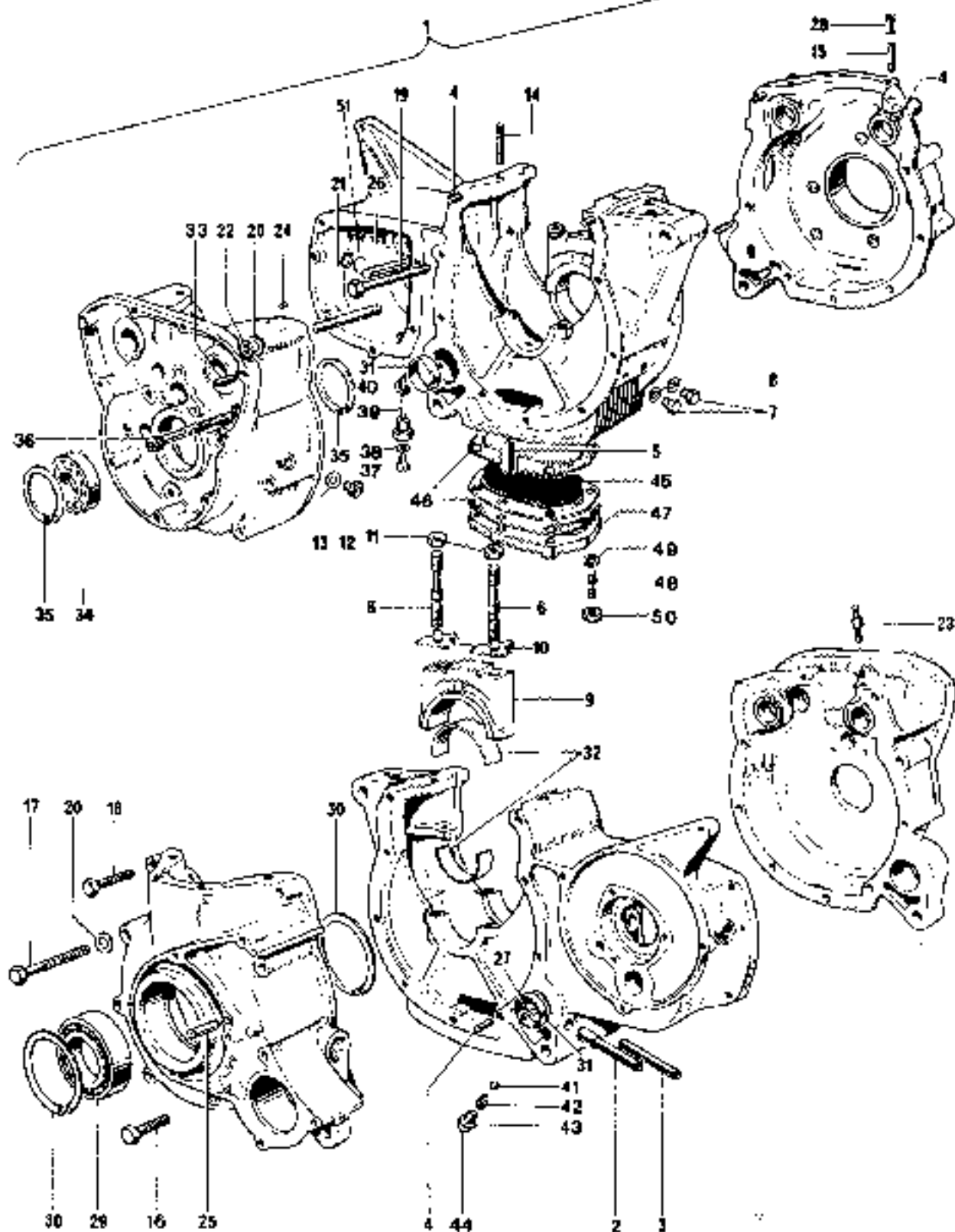


Fig. 2. CRANKCASES

### CRANKCASE

|    |         |                                                    |   |                |
|----|---------|----------------------------------------------------|---|----------------|
| 1  | 71-3215 | CRANKCASES (3 portions, assembled together)        | 1 |                |
| 2  | 70-6573 | Oil return pipe stub                               | 1 |                |
| 3  | 70-6574 | Oil feed pipe stub                                 | 1 |                |
| 4  | 70-8774 | Dowel T.S. and D.S.                                | 4 |                |
| 5  | 70-6578 | Scavenge tube                                      | 1 |                |
| 6  | 70-8745 | Washed stud, main bearing cap                      | 4 |                |
| 7  | 14-6113 | Plug, main bearing oilways                         | 2 |                |
| 8  | 70-8776 | Washer                                             | 2 |                |
| 9  | 71-3208 | Cap, main bearing                                  |   | Reference only |
| 10 | 71-1129 | Tab washer                                         | 4 |                |
| 11 | 14-0303 | Nut                                                | 4 |                |
| 12 | 70-8755 | Plug, timing aperture                              | 1 |                |
| 13 | 70-1523 | Washer, timing aperture                            | 1 |                |
| 14 | 21-1931 | Stud, cylinder base (1 $\frac{1}{2}$ in. O.A.)     | 4 |                |
| 15 | 70-8738 | Stud, cylinder at dowel (1 $\frac{1}{2}$ in. O.A.) | 2 |                |
| 16 | 14-6218 | Clamping bolt                                      | 2 |                |
| 17 | 14-6226 | Clamping bolt                                      | 9 |                |
| 18 | 14-6220 | Clamping bolt                                      | 2 |                |
| 19 | 14-6223 | Clamping bolt                                      | 1 |                |
| 20 | 60-4247 | Washer                                             | 9 |                |
| 21 | 14-1427 | Stud, T.S. crankcase                               | 2 |                |
| 22 | 14-0302 | Nut                                                | 2 |                |
| 23 | 21-1912 | Stud, cylinder base                                | 4 |                |
| 24 | 57-0912 | Peg, needle roller thrust                          | 1 |                |
| 25 | 71-1051 | Spindle, intermediate gear (oil pump)              | 1 |                |
| 26 | 57-3989 | Selector spindle                                   | 1 |                |
| 27 | 70-1532 | Dowel, oil pump to crankcase                       | 1 |                |
| 28 | 70-8751 | Dowel, cylinder base                               | 2 |                |
| 29 | 70-1591 | D.S. main bearing                                  | 1 |                |
| 30 | 70-6025 | Circlip, main bearing                              | 2 |                |
| 31 | 70-9856 | Sleeve or 'O' ring                                 | 2 |                |
| 32 | 70-6023 | *Main Bearing Shell                                | 4 |                |
| 33 | 57-0989 | Dowel                                              | 2 |                |
| 34 | 70-8780 | Main bearing T.S. (roller)                         | 1 |                |
| 35 | 70-6026 | Circlip                                            | 2 |                |
| 36 | 21-0679 | Socket screw (4 in. U.H.)                          | 1 |                |
| 37 | 57-3851 | Gearbox drain plug                                 | 1 |                |
| 38 | 70-2441 | Fibre washer                                       | 1 |                |
| 39 | 21-0543 | Level plug                                         | 1 |                |
| 40 | 57-1257 | Fibre washer                                       | 1 |                |
| 41 | 60-2370 | Non return valve ball ( $\frac{1}{4}$ in. dia.)    | 1 |                |
| 42 | 70-6567 | Spring                                             | 1 |                |
| 43 | 71-2792 | Inner washer (copper)                              | 1 |                |
| 44 | 70-6584 | Plug                                               | 1 |                |
| 45 | 70-6501 | Scavenge filter                                    | 1 |                |
| 46 | 71-1444 | Gasket                                             | 2 |                |
| 47 | 70-6580 | Cover                                              | 1 |                |
| 48 | 71-1349 | Stud, sump plate                                   | 6 |                |
| 49 | 60-2320 | Spring washer                                      | 6 |                |
| 50 | 14-1301 | Nut                                                | 6 |                |
| 51 | 57-1920 | Blanking disc                                      | 1 |                |

\*Available in undersize of 0.010", 0.020", 0.030", 0.040" (see page 7).

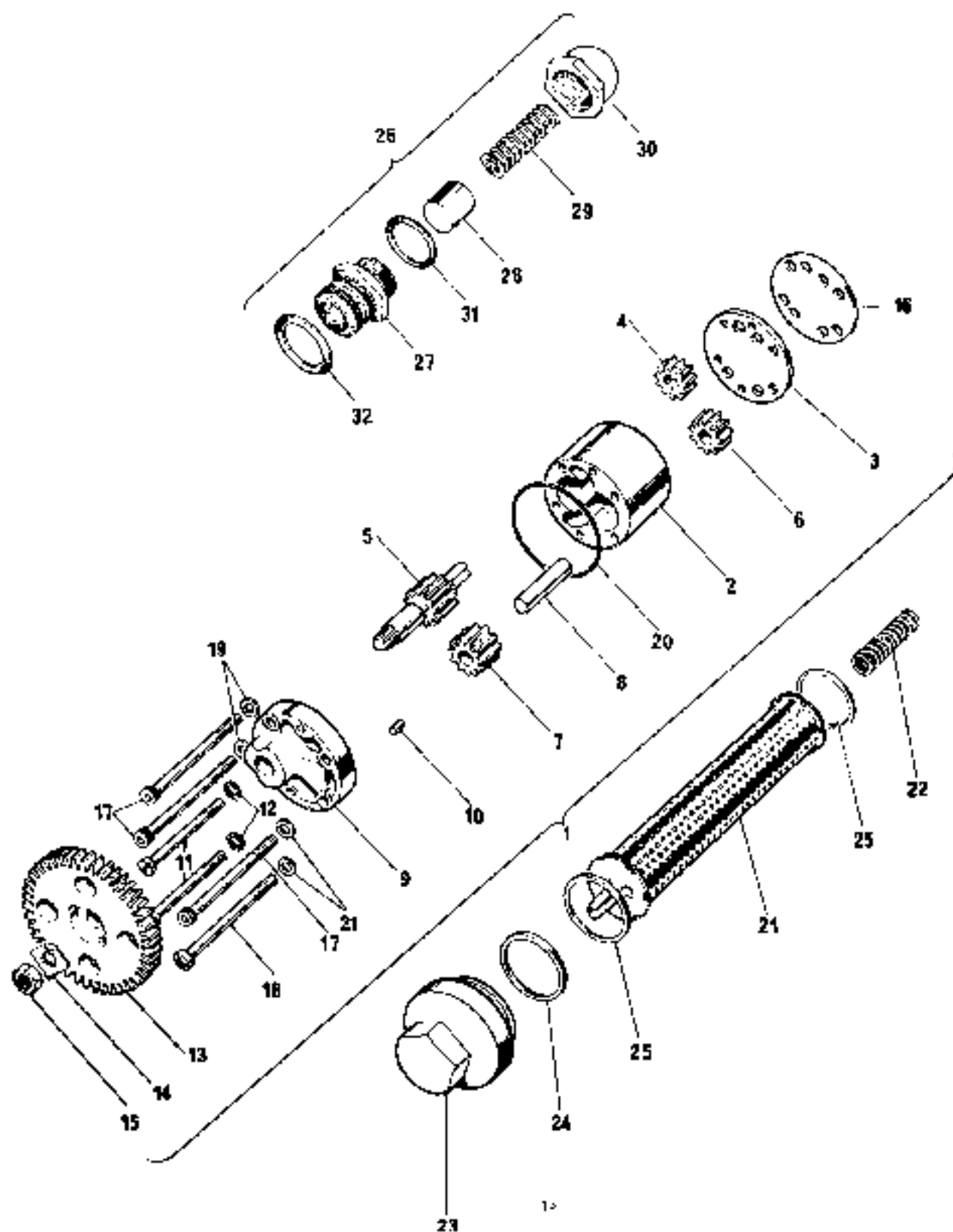


Fig. 3. OIL PUMP, RELEASE VALVE AND FILTER

### OIL PUMP RELEASE VALVE AND OIL FILTER

|            |         |                                                 |   |                |
|------------|---------|-------------------------------------------------|---|----------------|
| 1          | 71-1351 | OIL PUMP COMPLETE                               | 1 |                |
| 2          | 70-6430 | Oil pump, body                                  | 1 | Reference only |
| 3          | 70-6502 | Base plate                                      | 1 |                |
| 4          | 70-6455 | Drive feed gear                                 | 1 |                |
| 5          | 70-9987 | Drive scavenge gear                             | 1 |                |
| 6          | 70-6038 | Driven feed gear                                | 1 |                |
| 7          | 70-6039 | Driven scavenge gear                            | 1 |                |
| 8          | 70-6454 | Driven gear spindle                             | 1 |                |
| 9          | 70-9885 | Cover                                           | 1 |                |
| 10         | 70-6459 | Dowel, cover to body                            | 1 |                |
| 11         | 21-0359 | Screw, cover to body (2 in. U.H.)               | 2 |                |
| 12         | 70-8731 | Washer, cover to pump screw                     | 2 |                |
| 13         | 71-4237 | Driven gear                                     | 1 |                |
| 14         | 71-1353 | Tab washer                                      | 1 |                |
| 15         | 14-0402 | Nut                                             | 1 |                |
| 16         | 71-1442 | Gasket, oil pump to crankcase                   | 1 |                |
| 17         | 71-4236 | Screw, pump to crankcase (2½ in. U.H.)          | 3 |                |
| 18         | 70-9601 | Screw, pump to crankcase at dowel (2½ in. U.H.) | 1 |                |
| 19         | 70-8732 | Washer, pump to crankcase                       | 4 |                |
| 20         | 70-6576 | Seal, pump to crankcase                         | 1 |                |
| 21         | 70-6571 | Oil filter element                              | 1 |                |
| 22         | 70-6130 | Spring                                          | 1 |                |
| 23         | 71-1270 | Cap                                             | 1 |                |
| 24         | 71-1070 | O' ring—cap                                     | 1 |                |
| 25         | 71-1070 | O' ring—filter                                  | 2 |                |
| Net illus. | 60-3/19 | Oil pressure switch                             | 1 |                |
| 26         | 70-6595 | OIL PRESSURE RELEASE VALVE                      | 1 |                |
| 27         | 70-7590 | Body                                            | 1 | Reference only |
| 28         | 70-8752 | Piston                                          | 1 |                |
| 29         | 70-7591 | Spring                                          | 1 |                |
| 30         | 70-6596 | Cap                                             | 1 |                |
| 31         | 70-8754 | Joint washer (cap to body)                      | 1 |                |
| 32         | 70-1670 | Joint washer (valve to crankcase)               | 1 |                |

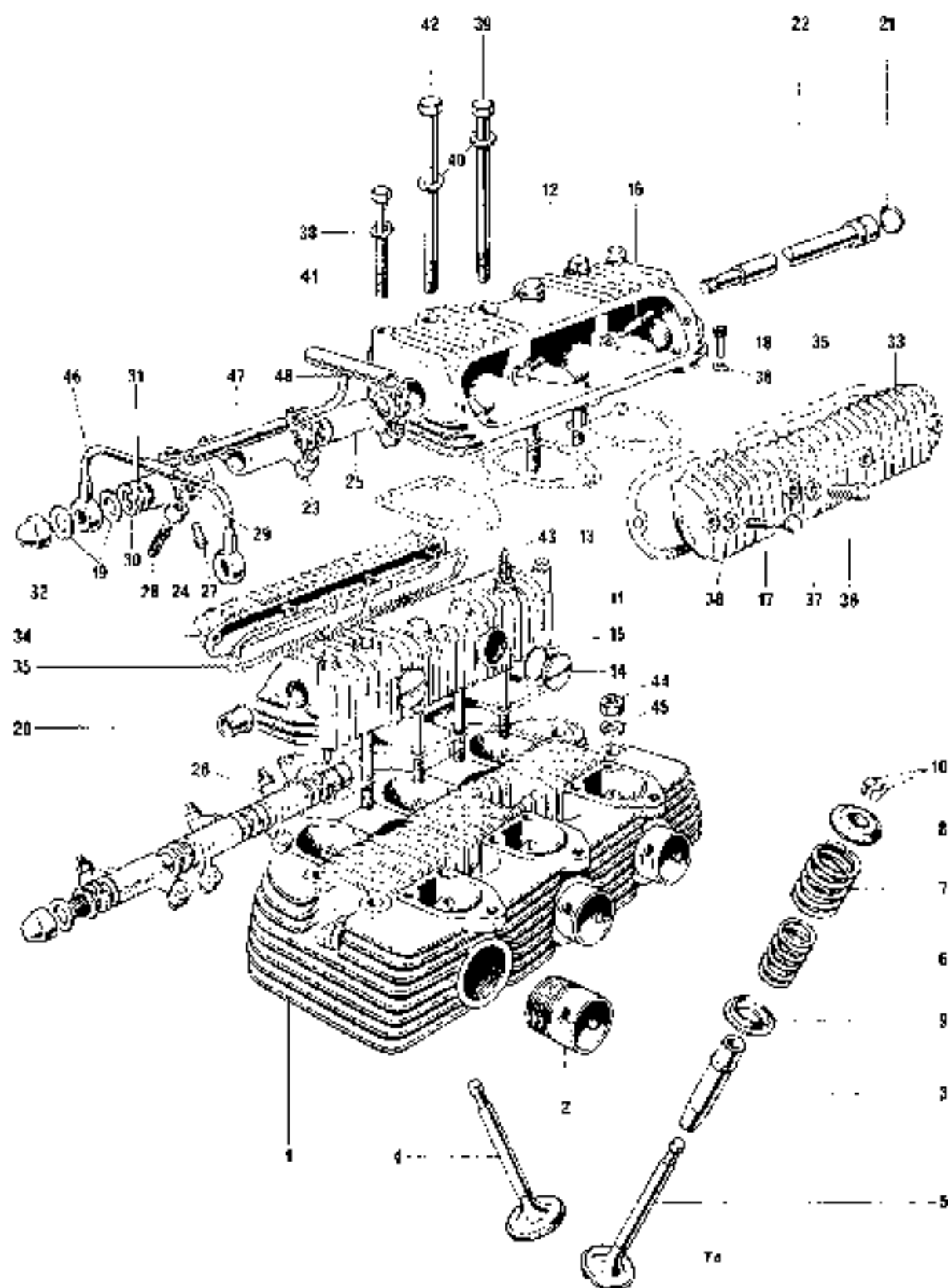


Fig. 4. CYLINDER HEAD AND ROCKER BOXES

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

### CYLINDER HEAD AND ROCKER BOXES

|    |         |                                                                         |    |  |
|----|---------|-------------------------------------------------------------------------|----|--|
| 1  | 70-8781 | CYLINDER HEAD                                                           | 1  |  |
| 2  | 70-9510 | Exhaust pipe adaptor                                                    | 3  |  |
| 3  | 70-6429 | Valve guide                                                             | 6  |  |
| 4  | 71-3361 | Intake valve                                                            | 3  |  |
| 5  | 71-3362 | Exhaust valve                                                           | 3  |  |
| 6  | 70-8787 | Inner valve spring (White and red paint dabs)                           | 6  |  |
| 7  | 70-8788 | Outer valve spring (White and red paint dabs)                           | 6  |  |
| 8  | 70-8720 | Top collar                                                              | 6  |  |
| 9  | 70-8789 | Bottom cup                                                              | 6  |  |
| 10 | 71-3748 | Split cotter                                                            | 12 |  |
| 11 | 71-4245 | Intake rocker box                                                       | 1  |  |
| 12 | 71-4246 | Exhaust rocker box                                                      | 1  |  |
| 13 | 70-8773 | Rocker box gasket                                                       | 2  |  |
| 14 | 57-2166 | Rocker box cap                                                          | 4  |  |
| 15 | 70-8782 | "O" ring cap                                                            | 4  |  |
| 16 | 14-1401 | Stud, rocker box cover                                                  | 4  |  |
| 17 | 14-0202 | Bolt, rocker box cover                                                  | 4  |  |
| 18 | 14-7004 | Screw                                                                   | 6  |  |
| 19 | 70-1335 | Copper washer                                                           | 4  |  |
| 20 | 70-6018 | Bush, T.S. for rocker spindle                                           | 2  |  |
| 21 | 60-3548 | "O" ring, D.S. bush                                                     | 2  |  |
| 22 | 70-9558 | Rocker spindle                                                          | 2  |  |
| 23 | 71-3587 | ROCKER LEVER, T.S. INLET; CENTRE EXHAUST                                | 2  |  |
| 24 | 71-3588 | ROCKER LEVER, T.S. EXHAUST; CENTRE INLET                                | 2  |  |
| 25 | 71-3589 | ROCKER LEVER, EXHAUST D.S.                                              | 1  |  |
| 26 | 71-3390 | ROCKER LEVER, INLET D.S.                                                | 1  |  |
| 27 | 71-0070 | Ball pin                                                                | 6  |  |
| 28 | 71-3358 | Adjusting pin                                                           | 6  |  |
| 29 | 14-0402 | Locknut                                                                 | 6  |  |
| 30 | 70-1574 | Thackeray washer                                                        | 6  |  |
| 31 | 70-1575 | Plain washer                                                            | 12 |  |
| 32 | 21-0350 | Dome nut                                                                | 2  |  |
| 33 | 70-6564 | Inspection cover, exhaust                                               | 1  |  |
| 34 | 70-6563 | Inspection cover, inlet                                                 | 1  |  |
| 35 | 71-1445 | Gasket                                                                  | 2  |  |
| 36 | 70-9237 | Sieve nut                                                               | 4  |  |
| 37 | 70-9239 | Plain washer                                                            | 4  |  |
| 38 | 60-4245 | Washer                                                                  | 8  |  |
| 39 | 70-8820 | Bolt, short rocker box to barrel ( $1\frac{1}{2}$ " x $4\frac{1}{2}$ ") | 4  |  |
| 40 | 70-9240 | Washer                                                                  | 8  |  |
| 41 | 14-6211 | Bolt, rocker box to head                                                | 4  |  |
| 42 | 70-8819 | Bolt, rocker box to barrel ( $1\frac{1}{2}$ " x $4\frac{1}{2}$ ")       | 2  |  |
| 43 | 71-0280 | Bolt, torque stay, rocker box to barrel ( $5\frac{1}{8}$ in.)           | 2  |  |
| 44 | 14-0303 | Nut                                                                     | 4  |  |
| 45 | 82-2184 | Washer                                                                  | 4  |  |
| 46 | 71-1168 | Rocker pipe                                                             | 1  |  |
| 47 | 71-1175 | Connecting tube                                                         | 1  |  |
| 48 | 71-1172 | Oil feed pipe                                                           | 1  |  |

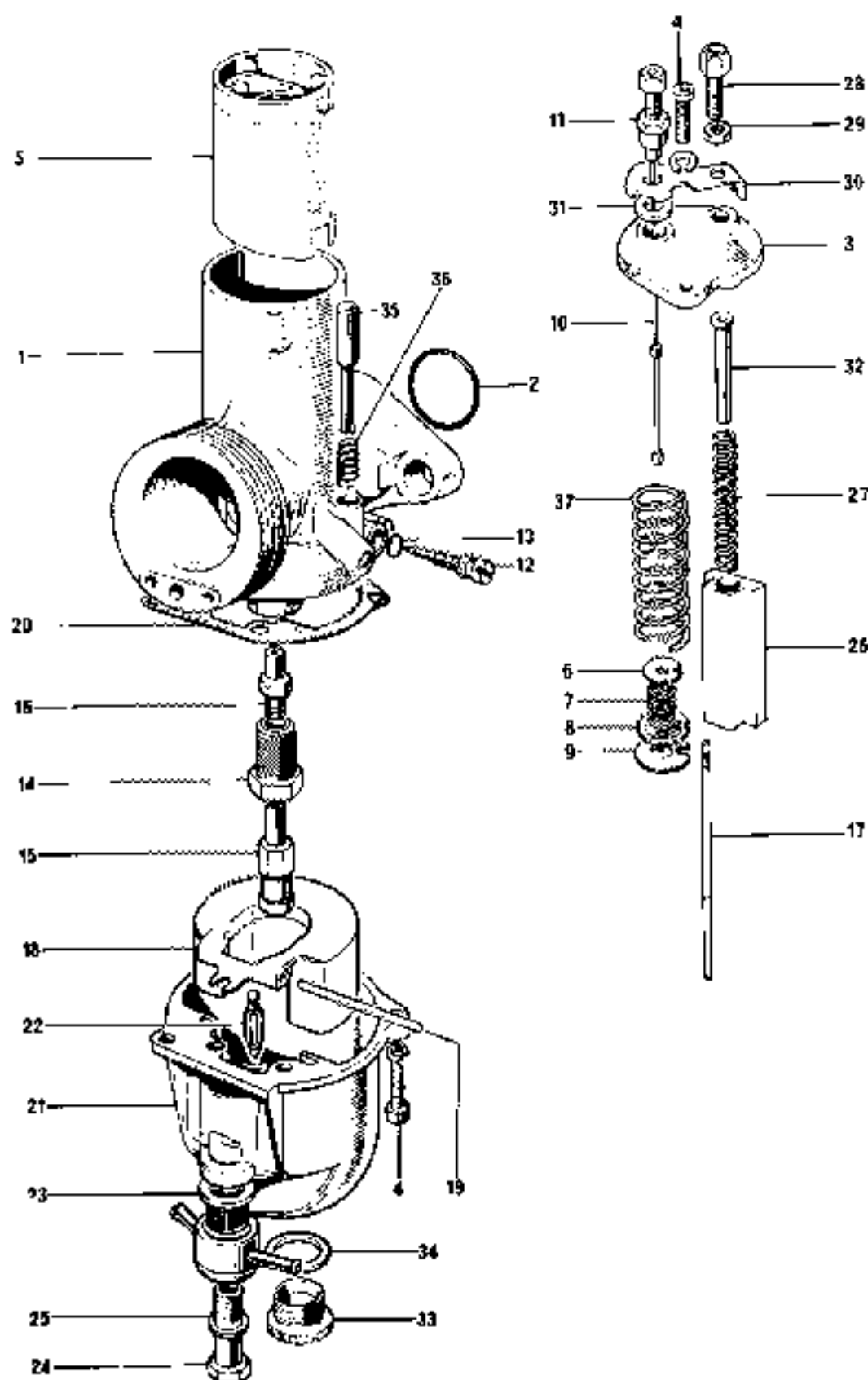


Fig. 5. CARBURETORS

| Ref. No.           | Part No. | DESCRIPTION                       | QUANTITY | REMARKS         |
|--------------------|----------|-----------------------------------|----------|-----------------|
| <b>CARBURETORS</b> |          |                                   |          |                 |
| 1                  | 60-4092  | CARBURETOR R.H. (Amal R626/66)    | 1        |                 |
| 1                  | 60-4094  | CARBURETOR CENTRE (Amal R626/68)  | 1        |                 |
| 1                  | 60-4093  | CARBURETOR L.H. (Amal L626/67)    | 1        |                 |
| 2                  | 622 101  | O'ring seal (99-0522)             | 3        |                 |
| 3                  | 622 097  | Mixing chamber top (99-1049)      | 1        |                 |
| 4                  | 622 086  | Screw (99-0521)                   | 4        |                 |
| 5                  | 622 060  | Throttle valve (No. 3½) (99-0506) | 1        |                 |
| 6                  | 60-1959  | Top spring abutment               | 1        |                 |
| 7                  | 60-1960  | Spring                            | 1        |                 |
| 8                  | 622 067  | Needle clip (99-0510)             | 1        |                 |
| 9                  | 60-1987  | Bottom spring abutment            | 1        |                 |
| 10                 | 60-1984  | Throttle rod assembly             | 1        |                 |
| 11                 | 70-9253  | Locknut                           | 1        |                 |
| 12                 | 622 076  | Pilot air screw (99-0515)         | 1        |                 |
| 13                 | 622 082  | Friction 'O' ring (99-0520)       | 1        |                 |
| 14                 | 622 128  | Jet holder (99-1034)              | 1        |                 |
| 15                 | 376 100  | Main jet (155) (99-1020)          | 1        |                 |
| 16                 | 677 122  | Needle jet (106) (99-1035)        | 1        |                 |
| 17                 | 622 124  | Needle (Standard) (99-1036)       | 1        |                 |
| 18                 | 622 069  | Pin (99-0512)                     | 1        |                 |
| 19                 | 622 071  | Float spindle (99-0513)           | 2        | Each Carburetor |
| 20                 | 622 073  | Joint washer (99-0514)            | 1        |                 |
| 21                 | 622 050  | Float chamber (99-0506)           | 1        |                 |
| 22                 | 622 068  | Float needle (99-0511)            | 1        |                 |
| 23                 | 376 093  | Filter (99-0438)                  | 1        |                 |
| 24                 | 622 078  | Banjo bolt (99-0517)              | 1        |                 |
| 25                 | 13 163   | Fibre washer (99-1124)            | 1        |                 |
| 26                 | 622 062  | Air slide (99-1021)               | 1        |                 |
| 27                 | 677 186  | Spring                            | 1        |                 |
| 28                 | 4 035    | Cable adjuster (99-1024)          | 1        |                 |
| 29                 | 5 077    | Locknut (99-0224)                 | 1        |                 |
| 30                 | 622 125  | Clip (99-1022)                    | 1        |                 |
| 31                 | 622 126  | Sealing rubber (99-1023)          | 1        |                 |
| 32                 | 622 134  | Air slide guide tube (99-1051)    | 1        |                 |
| 33                 | 622 147  | Drain plug (99-1152)              | 1        |                 |
| 34                 | 622 151  | Washer (99-1153)                  | 1        |                 |
| 35                 | 622 089  | Flicker pin                       | 1        | Reference on p  |
| 36                 | 14 032   | Flicker pin spring                | 1        | Reference on p  |
| 37                 | 71-3312  | Spring-carburetor slide           | 1        |                 |

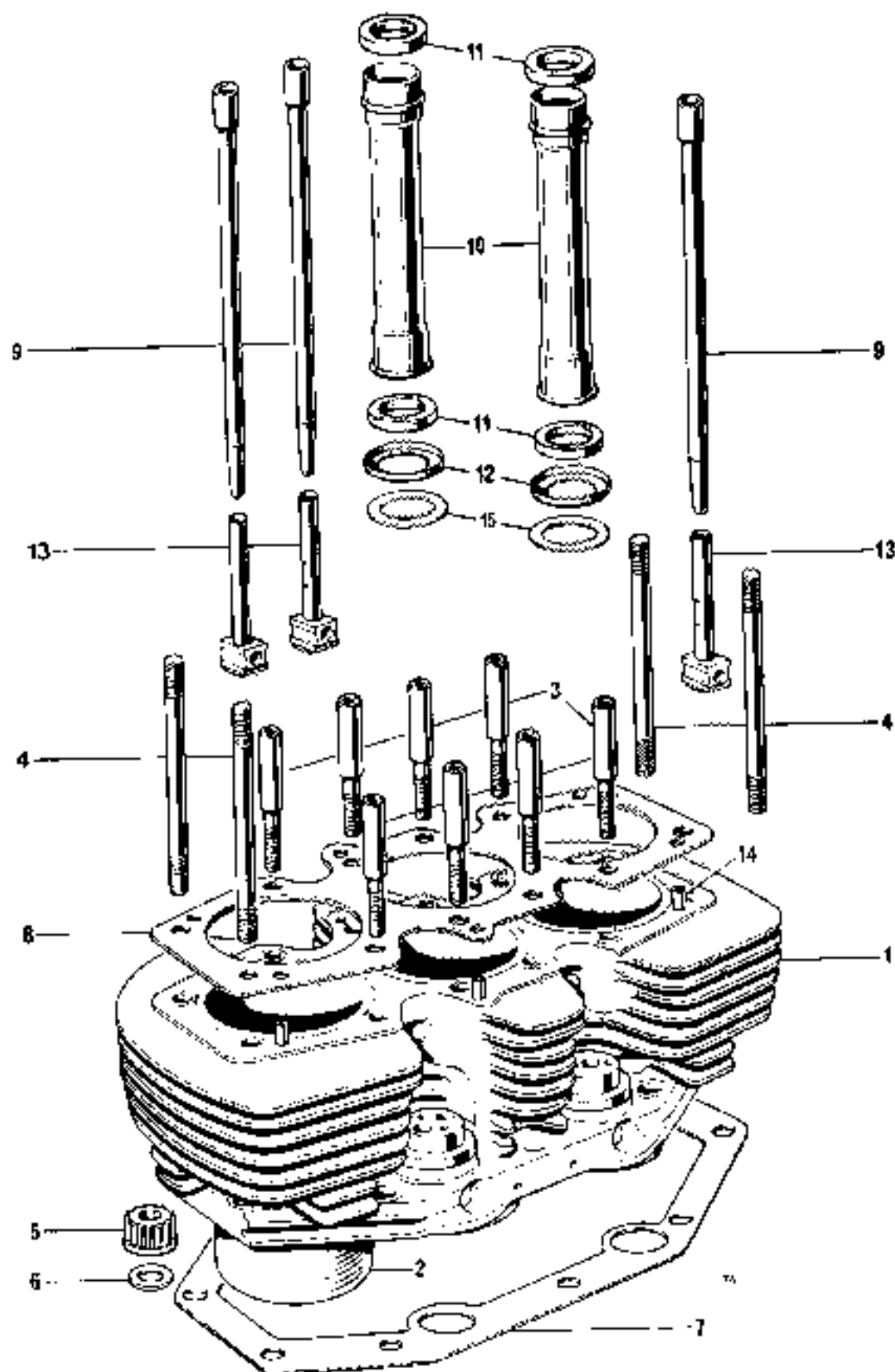


Fig. 4. CYLINDER BARREL, PUSH RODS AND TUBES, TAPPETS

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

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

|    |         |                                                     |    |  |
|----|---------|-----------------------------------------------------|----|--|
| 1  | 71-3209 | CYLINDER BARREL C/W LINERS ...                      | 1  |  |
| 2  | 70-8914 | Cylinder liner ...                                  | 3  |  |
| 3  | 70-9817 | Pillar stud ...                                     | 8  |  |
| 4  | 21-0686 | Stud, barrel to head ( $4\frac{1}{2}$ in. O.A.) ... | 4  |  |
| 5  | 21-0692 | Base nut (12 point) ...                             | 10 |  |
| 6  | 70-8770 | Washer ...                                          | 10 |  |
| 7  | 70-6496 | Cylinder base gasket ...                            | 1  |  |
| 8  | 71-3941 | Cylinder head gasket ...                            | 1  |  |
| 9  | 71-1238 | Push rod ...                                        | 6  |  |
| 10 | 71-4000 | Push rod tube ...                                   | 4  |  |
| 11 | 70-4752 | Sealing rubber ...                                  | 8  |  |
| 12 | 70-4746 | Bottom cup ...                                      | 4  |  |
| 13 | 71-3213 | Tappet ...                                          | 6  |  |
| 14 | 70-1532 | Dowel ...                                           | 6  |  |
| 15 | 71-1190 | Gasket, push rod cover tube ...                     | 4  |  |

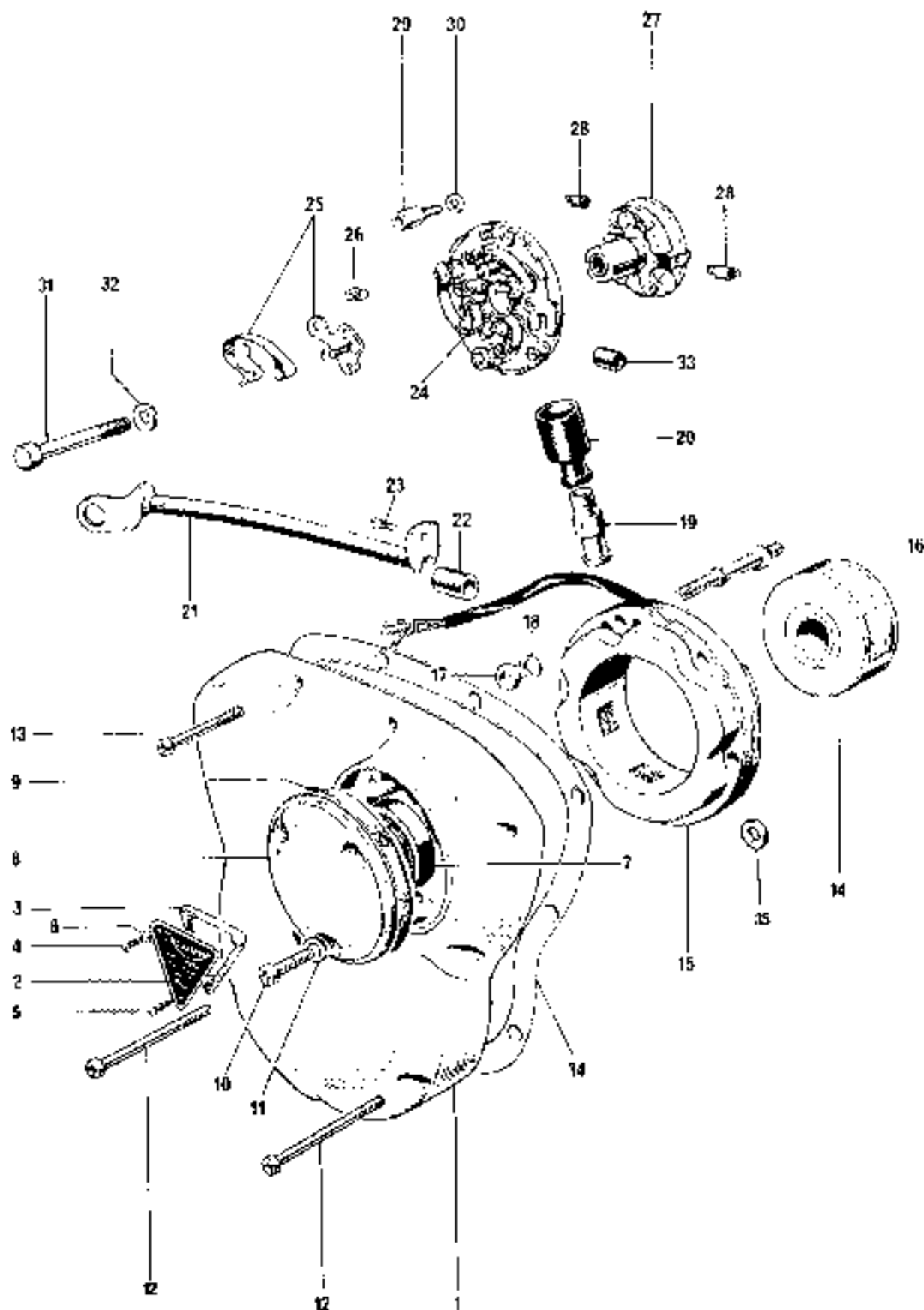


Fig. 1. TIMING COVER AND CONTACT BREAKER

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

### TIMING COVER AND CONTACT BREAKER

|    |          |                                                           |   |  |
|----|----------|-----------------------------------------------------------|---|--|
| 1  | 70-6432  | Timing cover                                              | 1 |  |
| 2  | 70-8762  | Cover, timing aperture                                    | 1 |  |
| 3  | 71-1440  | Joint washer                                              | 1 |  |
| 4  | 71-0007  | Screw ( $\frac{3}{16}$ in. U.H.)                          | 2 |  |
| 5  | 71-0006  | Pointer screw                                             | 1 |  |
| 6  | 70-9266  | Washer                                                    | 3 |  |
| 7  | 70-4568  | Oil seal                                                  | 1 |  |
| 8  | 70-6519  | C.B. cover                                                | 1 |  |
| 9  | 71-1441  | Gasket C.B. cover                                         | 1 |  |
| 10 | 82-4715  | Screw ( $\frac{1}{2}$ in. U.H.)                           | 3 |  |
| 11 | 97-0430  | Washer                                                    | 3 |  |
| 12 | 14-6612  | Screw                                                     | 3 |  |
| 13 | 14-6608  | Screw                                                     | 6 |  |
| 14 | 54210937 | Rotor (99-0739) RM 20                                     | 1 |  |
| 15 | 47205    | Stator (99-1016)—RM 21                                    | 1 |  |
| 16 | 70-6522  | Stud, alternator mounting                                 | 3 |  |
| 17 | 21-1852  | Nut, alternator mounting                                  | 3 |  |
| 18 | 60-4247  | Washer                                                    | 3 |  |
| 19 | 70-8760  | Cable seal nut                                            | 1 |  |
| 20 | 70-4144  | Grommet                                                   | 1 |  |
| 21 | 70-8757  | Cover, alternator leads                                   | 1 |  |
| 22 | 70-8756  | Rubber ferrule                                            | 1 |  |
| 23 | 97-0916  | Screw, lead cover to crankcase ( $\frac{5}{16}$ in. U.H.) | 1 |  |
| 24 | 54419327 | CONTACT BREAKER 7CA (99-1233)                             | 1 |  |
| 25 | 54419828 | Contact set (99-1014)                                     | 3 |  |
| 26 | 54419220 | Adjusting screw (99-0769)                                 | 3 |  |
| 27 | 54419867 | AUTO ADVANCE UNIT (99-1015)                               | 1 |  |
| 28 | 54417992 | Spring (99-1234)                                          | 2 |  |
| 29 | 70-6521  | Pillar bolt                                               | 3 |  |
| 30 | 70-6559  | Washer                                                    | 3 |  |
| 31 | 14-0208  | Bolt C.B.                                                 | 1 |  |
| 32 | 70-8163  | Washer                                                    | 1 |  |
| 33 | 70-8756  | Grommet                                                   | 2 |  |
| 34 | 71-1350  | Gasket timing cover                                       | 1 |  |
| 35 | 97-2123  | Distance piece, stator                                    | 6 |  |

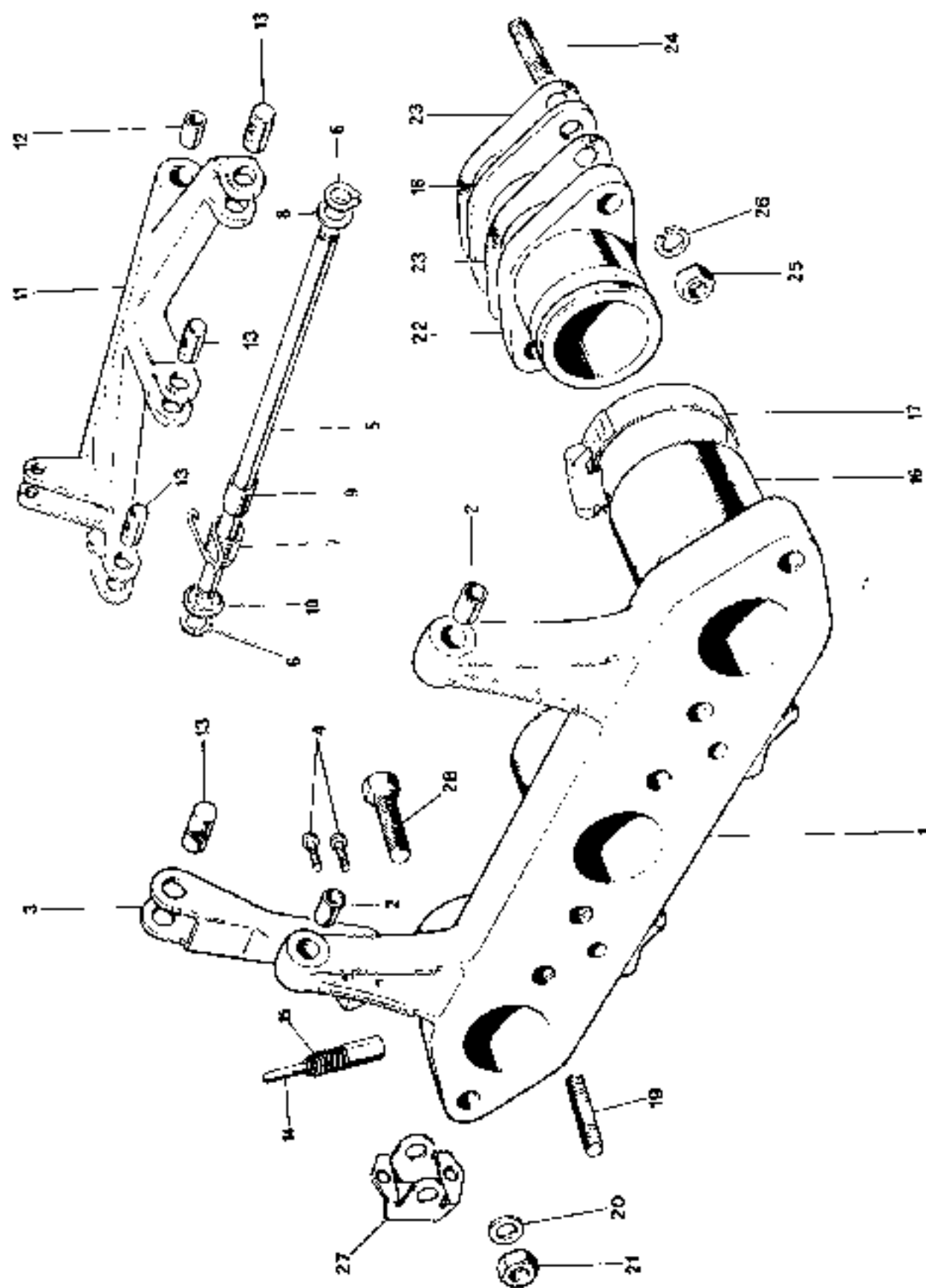


FIG. 8. MANIFOLD AND THROTTLE LINKAGE

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

### MANIFOLD AND THROTTLE LINKAGE

|    |         |                                              |   |  |
|----|---------|----------------------------------------------|---|--|
| 1  | 71-1303 | ADAPTOR c/w BUSHES                           | 1 |  |
| 2  | 70-9073 | Bush                                         | 2 |  |
| 3  | 70-9242 | Support arm                                  | 1 |  |
| 4  | 21-1930 | Screw self-tapping                           | 2 |  |
| 5  | 70-9251 | Spindle                                      | 1 |  |
| 6  | 70-9255 | Circlip                                      | 2 |  |
| 7  | 71-3311 | Return spring                                | 1 |  |
| 8  | 71-0245 | Washer                                       | 1 |  |
| 9  | 70-9820 | Spacer                                       | 1 |  |
| 10 | 70-9821 | Retaining cup                                | 1 |  |
| 11 | 70-9276 | Operating arm                                | 1 |  |
| 12 | 70-9073 | Bush                                         | 2 |  |
| 13 | 70-9243 | Trunnion                                     | 4 |  |
| 14 | 71-3924 | Screw, adjuster                              | 1 |  |
| 15 | 70-9254 | Spring                                       | 1 |  |
| 16 | 70-9060 | Rubber sleeve                                | 3 |  |
| 17 | 60-3707 | jubilee type clip                            | 6 |  |
| 18 | 70-8981 | Insulating block                             | 3 |  |
| 19 | 14-1619 | Stud carburetor                              | 5 |  |
| 20 | 60-4247 | Washer                                       | 6 |  |
| 21 | 14-1302 | Nut, carburetor fixing                       | 6 |  |
| 22 | 70-9057 | Stub, cylinder head                          | 3 |  |
| 23 | 71-1446 | Joint washer, stub to head                   | 5 |  |
| 24 | 21-0557 | Stub (1 $\frac{5}{16}$ " O.A.) cylinder head | 6 |  |
| 25 | 14-1301 | Nut                                          | 6 |  |
| 26 | 60-4248 | Washer                                       | 6 |  |
| 27 | 82-3665 | Bracket, air control lever                   | 1 |  |
| 28 | 14-0219 | Bolt, bracket                                | 1 |  |

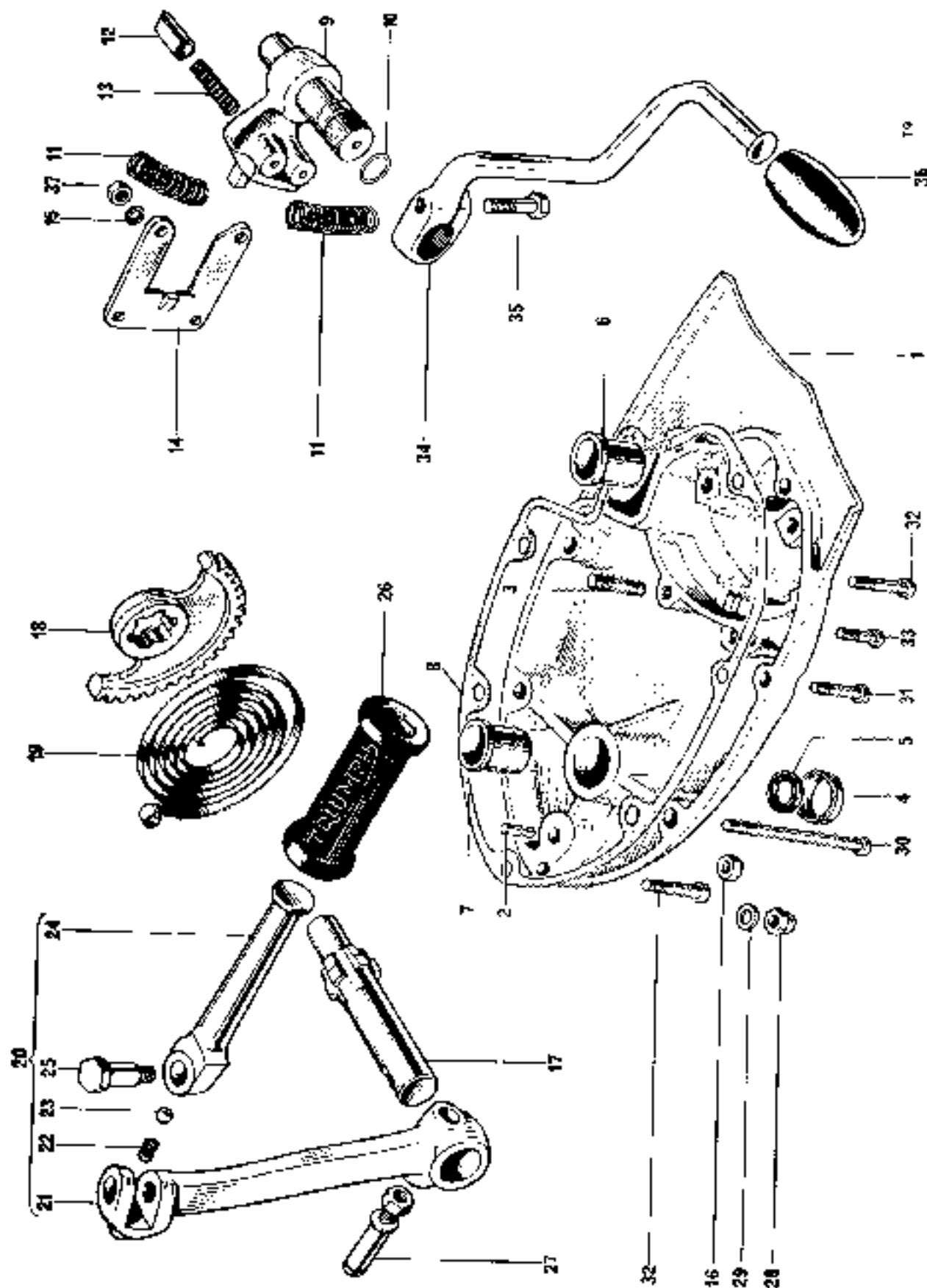


FIG. 1. GEARBOX OUTER COVER

## GEARBOX OUTER COVER

|    |         |                                                |   |
|----|---------|------------------------------------------------|---|
| 1  | 57-3750 | GEARBOX OUTER COVER ..                         | 1 |
| 2  | 57-0047 | Kickstart anchor peg ...                       | 1 |
| 3  | 21-0547 | Stud guide plate ( $\frac{3}{8}$ in. O.A.) ... | 4 |
| 4  | 57-1955 | Housing, oil seal ..                           | 1 |
| 5  | 57-1956 | Oil seal ..                                    | 1 |
| 6  | 57-0057 | Bush (F.C Spindle) ..                          | 1 |
| 7  | 57-0023 | Bush (K/S Spindle) ..                          | 1 |
| 8  | 71-1448 | Gasket, outer to inner gearbox ...             | 1 |
| 9  | 57-4910 | Plunger quadrant ..                            | 1 |
| 10 | 60-3530 | Sealing Ring ...                               | 1 |
| 11 | 57-0404 | Spring ...                                     | 2 |
| 12 | 57-4403 | Plunger ...                                    | 2 |
| 13 | 57-0405 | Spring ..                                      | 2 |
| 14 | 57-0407 | Guide plate ...                                | 1 |
| 15 | 70-1612 | Washer ...                                     | 4 |
| 16 | 14-1302 | Nut ...                                        | 4 |
| 17 | 57-4756 | Kickstart axle shaft ..                        | 1 |
| 18 | 57-4117 | Kickstart quadrant ..                          | 1 |
| 19 | 57-0031 | Kickstart return spring ...                    | 1 |
| 20 | 57-3632 | FOLDING KICKSTART COMPLETS :                   | 1 |
| 21 | 57-2173 | Crank ..                                       | 1 |
| 22 | 57-1167 | Spring ..                                      | 2 |
| 23 | 60-2354 | Ball, $\frac{1}{4}$ in. dia. ...               | 1 |
| 24 | 57-1272 | Pedal ...                                      | 1 |
| 25 | 21-0541 | Pivot bolt ...                                 | 1 |
| 26 | 57-2330 | Rubber ..                                      | 1 |
| 27 | 57-4356 | Cotter pin c/w nut and washer ...              | 1 |
| 28 | 71-0544 | Domed nut outer cover ..                       | 2 |
| 29 | 60-4247 | Washer ...                                     | 2 |
| 30 | 21-2140 | Screw, outer cover long ..                     | 1 |
| 31 | 14-6609 | Screw, outer cover ..                          | 1 |
| 32 | 14-6610 | Screw, outer cover ..                          | 2 |
| 33 | 14-6608 | Screw, outer cover ..                          | 1 |
| 34 | 57-3751 | Gearchange pedal ..                            | 1 |
| 35 | 14-0201 | Pinch bolt ..                                  | 1 |
| 36 | 57-2450 | Rubber ..                                      | 1 |
| 37 | 14-0301 | Nut ...                                        | 4 |

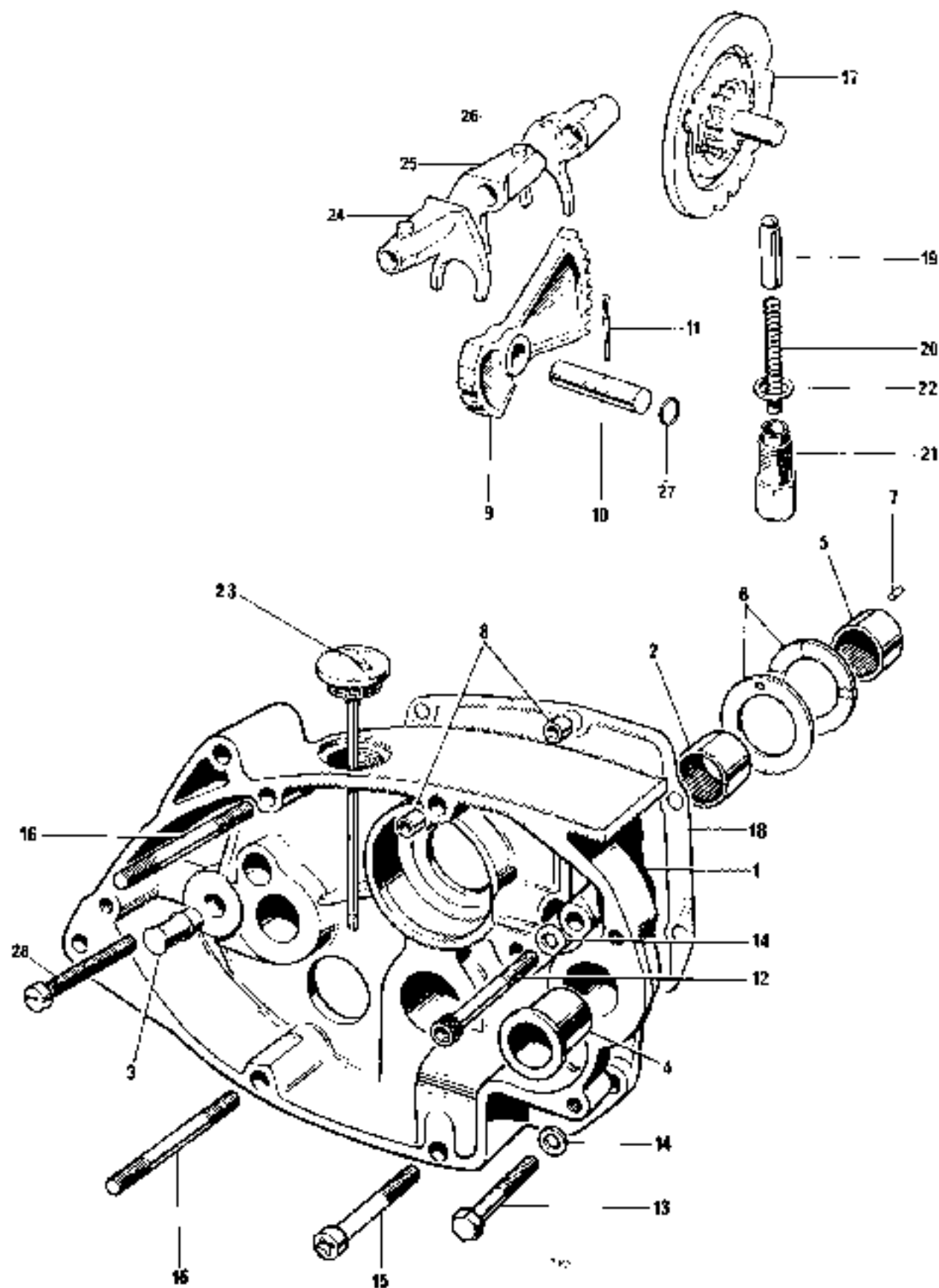


Fig. 18. GEARBOX INNER COVER AND SELECTORS

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

### GEARBOX INNER COVER AND SELECTORS

|    |         |                                                            |   |                           |
|----|---------|------------------------------------------------------------|---|---------------------------|
| 1  | 57-4633 | INNER COVER ASSEMBLY . . . . .                             | 1 |                           |
| 1  | 57-4947 | Inner cover . . . . .                                      | 1 |                           |
| 2  | 57-1614 | Layshaft Bearing . . . . .                                 | 1 |                           |
| 3  | 57-4470 | Kickstart stop . . . . .                                   | 1 |                           |
| 4  | 57-0412 | Bush (F/C spindle) . . . . .                               | 1 |                           |
| 5  | 57-1606 | Layshaft, needle roller bearing . . . . .                  | 1 |                           |
| 6  | 57-1607 | Thrust washer . . . . .                                    | 2 |                           |
| 7  | 57-0912 | Peg, L/S thrust washer . . . . .                           |   | (Also in crankcase group) |
| 8  | 57-0989 | Dowel, inner to outer cover . . . . .                      | 2 |                           |
| 9  | 57-4363 | Quadrant . . . . .                                         | 1 |                           |
| 10 | 57-1896 | Quadrant spindle . . . . .                                 | 1 |                           |
| 11 | 60-2708 | Split pin (5/64 in. + 1 1/2 in.) . . . . .                 |   | Reference only            |
| 12 | 14-7101 | Socket screw . . . . .                                     | 1 |                           |
| 13 | 14-6121 | Bolt, inner cover to crankcase . . . . .                   | 1 |                           |
| 14 | 70-3446 | Washer, inner cover to crankcase . . . . .                 | 1 |                           |
| 15 | 21-917  | Screw, inner cover to crankcase (2 1/2 in. U.H.) . . . . . | 1 |                           |
| 16 | 14-1431 | Stud, gearbox cover . . . . .                              | 2 |                           |
| 17 | 57-4624 | Camplate . . . . .                                         | 1 |                           |
| 18 | 71-1447 | Gasket, inner cover to crankcase . . . . .                 | 1 |                           |
| 19 | 57-3660 | Plunger . . . . .                                          | 1 |                           |
| 20 | 57-4459 | Plunger spring . . . . .                                   | 1 |                           |
| 21 | 57-4400 | Plunger sleeve nut . . . . .                               | 1 |                           |
| 22 | 57-3978 | Washer . . . . .                                           | 1 |                           |
| 23 | 57-4948 | Filler cap . . . . .                                       | 1 |                           |
| 24 | 57-4364 | Selector fork—mainshaft 4th gear . . . . .                 | 1 |                           |
| 25 | 57-4366 | Selector fork—layshaft 3rd gear . . . . .                  | 1 |                           |
| 26 | 57-4660 | Selector fork—layshaft 1st gear . . . . .                  | 1 |                           |
| 27 | 37-3761 | 'O' ring, gearchange quadrant spindle . . . . .            | 1 |                           |
| 28 | 14-6614 | Screw, inner cover to crankcase (2 1/2 in. U.H.) . . . . . | 1 |                           |

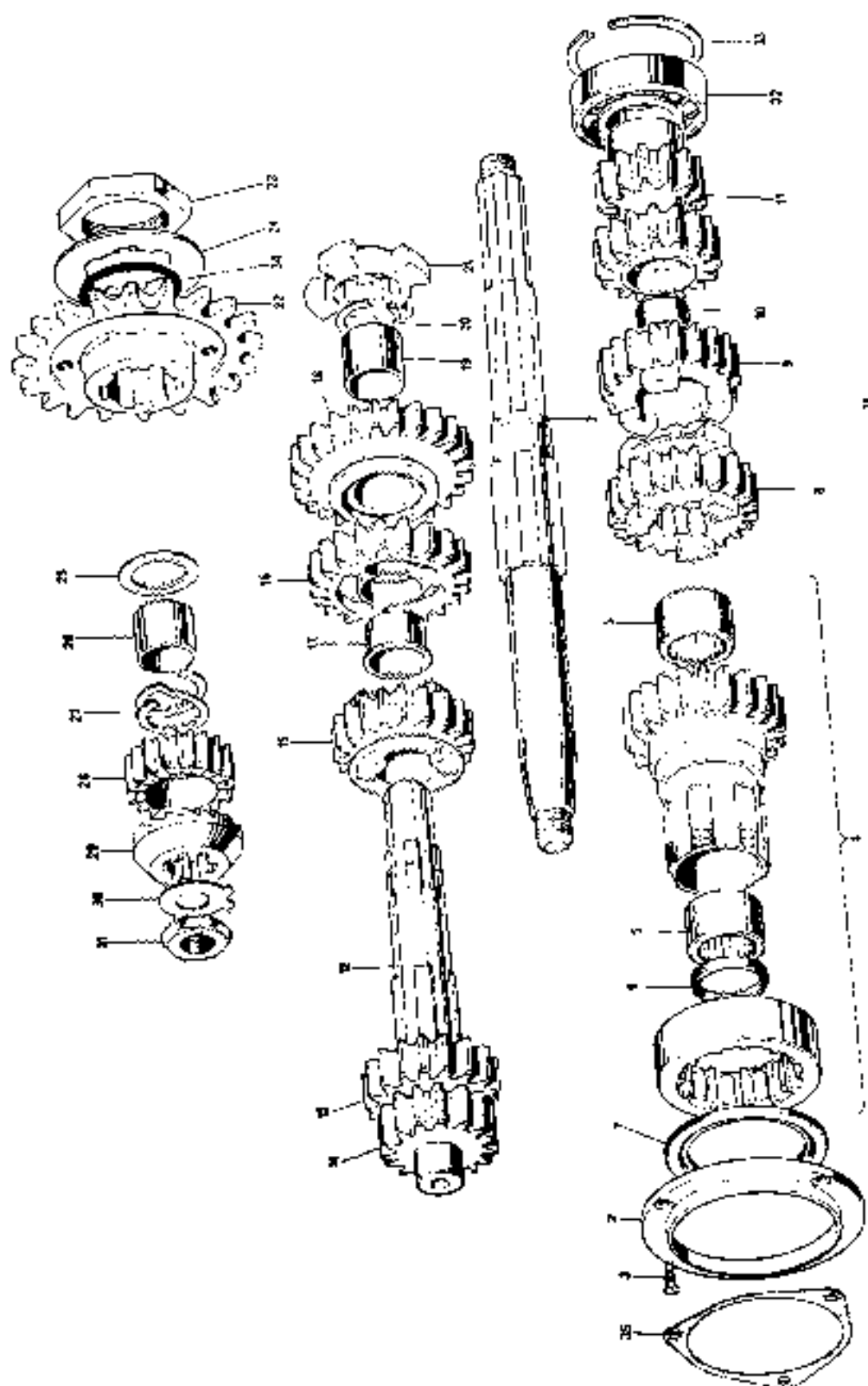


Fig. 11 GEARBOX SHAFTS AND GEARS

### GEARBOX SHAFTS AND GEARS

|    |         |                                            |                |  |
|----|---------|--------------------------------------------|----------------|--|
| 1  | 60-3510 | Oil seal ... ..                            | 1              |  |
| 2  | 57-4394 | Housing—oil seal . . . . .                 | 1              |  |
| 3  | 21-2106 | Screw ... ..                               | 3              |  |
| 4  | 57-4781 | MAINSHAFT HIGH GEAR ASSEMBLY (c/w bearing) | 1              |  |
| 5  | 60-3511 | Needle Roller bearing . . . . .            | 2              |  |
| 6  | 60-3500 | Oil Seal .. ..                             | 1              |  |
| 7  | 57-4370 | Mainshaft ... ..                           | 1              |  |
| 8  | 57-4376 | Mainshaft 4th gear . . . . .               | 1              |  |
| 9  | 57-4377 | MAINSHAFT 3rd GEAR . . . . .               | 1              |  |
| 10 | 57-4575 | Bush ... ..                                | 1              |  |
| 11 | 57-4653 | Mainshaft 1st and 2nd gear .. .            | 1              |  |
| 12 | 57-4900 | Layshaft .. ..                             | 1              |  |
| 13 | 57-4787 | Layshaft 4th gear .. .                     | Reference only |  |
| 14 | 57-4791 | Layshaft high gear ... ..                  | Reference only |  |
| 15 | 57-4647 | Layshaft 3rd gear ... ..                   | 1              |  |
| 16 | 57-4657 | LAYSHAFT 2nd GEAR ... ..                   | 1              |  |
| 17 | 57-4662 | Bush ... ..                                | 1              |  |
| 18 | 57-4654 | LAYSHAFT 1st GEAR .. .                     | 1              |  |
| 19 | 57-4663 | Bush ... ..                                | 1              |  |
| 20 | 60-3494 | Circlip ... ..                             | 1              |  |
| 21 | 57-4661 | Driving dog ... ..                         | 1              |  |
| 22 | 57-4784 | Gearbox sprocket—1BT .. .                  | 1              |  |
| 23 | 57-4396 | Locknut ... ..                             | 1              |  |
| 24 | 57-4909 | Lock washer ... ..                         | 1              |  |
| 25 | 57-1962 | Washer ... ..                              | 1              |  |
| 26 | 57-1963 | Pinion sleeve ... ..                       | 1              |  |
| 27 | 57-1250 | Pinion spring .. .                         | 1              |  |
| 28 | 57-0730 | Kickstart pinion ... ..                    | 1              |  |
| 29 | 57-0731 | Kickstart ratchet . . . . .                | 1              |  |
| 30 | 57-2240 | Tab washer .. .                            | 1              |  |
| 31 | 21-0594 | Nut ... ..                                 | 1              |  |
| 32 | 60-3552 | Mainshaft bearing . . . . .                | 1              |  |
| 33 | 57-4113 | Bearing Circlip .. .                       | 1              |  |
| 34 | 71-1070 | 'O' ring, gearbox sprocket .. .            | 1              |  |
| 35 | 71-1451 | Gasket—oil seal housing .. .               | 1              |  |

N.B. High gear bearing not available as a separate item

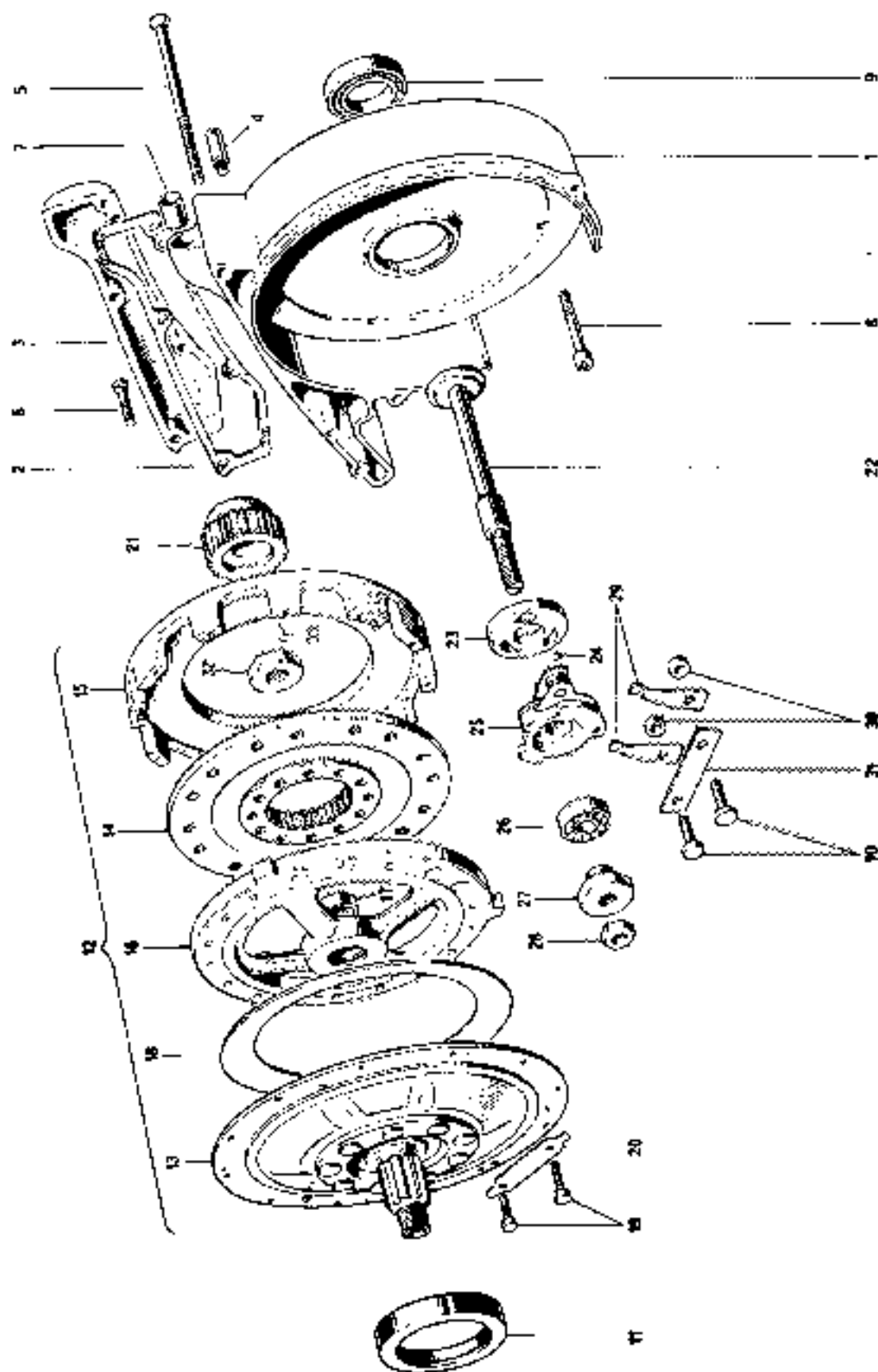


FIG. 12. CLUTCH AND CLUTCH OPERATING MECHANISM

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

## CLUTCH AND CLUTCH OPERATING MECHANISM

|    |         |                                                        |    |  |
|----|---------|--------------------------------------------------------|----|--|
| 1  | 57-2554 | Clutch cover                                           | 1  |  |
| 2  | 71-1452 | Joint washer                                           | 1  |  |
| 3  | 57-2555 | Cover, breather duct                                   | 1  |  |
| 4  | 57-3756 | Adaptor                                                | 1  |  |
| 5  | 14-6515 | Screw, orig. cover to crankcase (4 in. U.H.)           | 1  |  |
| 6  | 21-0680 | Screw, short, cover to crankcase ( $\frac{1}{16}$ in.) | 3  |  |
| 7  | 57-2557 | Tube                                                   | 1  |  |
| 8  | 14-6610 | Screw cover on crankcase                               | 3  |  |
| 9  | 57-3642 | Oil seal cover to main shaft                           | 1  |  |
| 10 | 14-6102 | Bolt                                                   | 2  |  |
| 11 | 57-3642 | Oil seal clutch shaft                                  | 1  |  |
| 12 | 57-2562 | CLUTCH ASSEMBLY (BORG & BECK 76183)                    | 1  |  |
| 13 | 57-3705 | End cover, assembly (BORG & BECK 76169)                | 1  |  |
| 14 | 57-3709 | Driven plate assembly (BORG & BECK 53273)              | 1  |  |
| 15 | 57-3708 | Drive ring (BORG & BECK 76167)                         | 1  |  |
| 16 | 57-3715 | Pressure plate (BORG & BECK 76164)                     | 1  |  |
| 17 | 57-3717 | Thrust bearing (BORG & BECK 76168)                     | 1  |  |
| 18 | 57-3718 | Diaphragm spring rod (BORG & BECK 75303;13)            | 1  |  |
| 19 | 57-3719 | Bolt end cover to housing (BORG & BECK K26904)         | 12 |  |
| 20 | 57-3720 | Tab washer, end cover to housing (BORG & BECK 76170)   | 6  |  |
| 21 | 57-2560 | Clutch hub                                             | 1  |  |
| 22 | 57-2552 | Pull rod clutch release                                | 1  |  |
| 23 | 57-2465 | Thrust plate inner                                     | 1  |  |
| 24 | 60-2354 | Ball, $\frac{1}{4}$ in. dia.                           | 3  |  |
| 25 | 57-2547 | Clutch lever complete                                  | 1  |  |
| 26 | 57-3647 | Bearing, outer thrust plate                            | 1  |  |
| 27 | 57-2553 | Sleeve nut                                             | 1  |  |
| 28 | 14-0402 | Locknut                                                | 1  |  |
| 29 | 57-2473 | Spring, outer thrust plate                             | 2  |  |
| 30 | 57-3638 | Distance piece, outer thrust plate                     | 2  |  |
| 31 | 57-2474 | Tab washer                                             | 1  |  |
| 32 | 21-0681 | Nut-clutch hub                                         | 1  |  |
| 33 | 60-4253 | Key-clutch hub                                         | 1  |  |

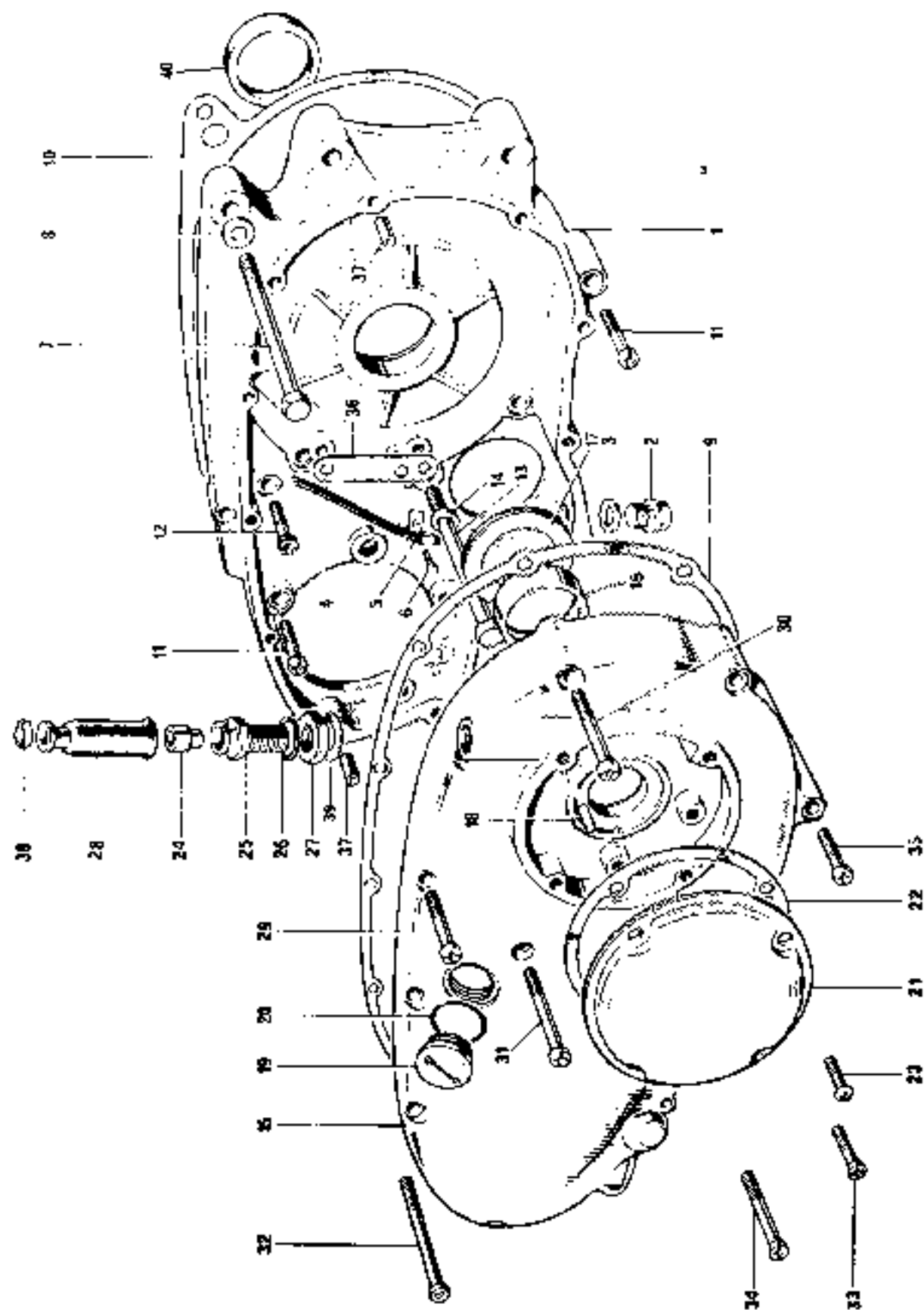


FIG. 13. INNER AND OUTER CHAINCASE

### INNER AND OUTER CHAINCASE

|    |         |                                      |   |  |
|----|---------|--------------------------------------|---|--|
| 1  | 57-4018 | Inner primary chaincase              | 1 |  |
| 2  | 21-0536 | Drain plug                           | 1 |  |
| 3  | 70-0402 | Washer                               | 1 |  |
| 4  | 71-3925 | Tube, chain oiler                    | 1 |  |
| 5  | 70-4705 | Clip, chain oiler—tube               | 1 |  |
| 6  | 14-6101 | Bolt, clip                           | 1 |  |
| 7  | 21-1820 | Bolt, long                           | 1 |  |
| 8  | 60-4247 | Washer                               | 1 |  |
| 9  | 71-1454 | Gasket inner to outer chaincase      | 1 |  |
| 10 | 71-1453 | Gasket inner case to crankcase       | 1 |  |
| 11 | 14-6606 | Screw, short                         | 2 |  |
| 12 | 14-7006 | Socket screw                         | 7 |  |
| 13 | 21-1819 | Bolt                                 | 1 |  |
| 14 | 60-4247 | Washer                               | 1 |  |
| 15 | 57-4593 | OUTER PRIMARY CHAINCASE              | 1 |  |
| 16 | 57-3643 | Needle roller bearing                | 1 |  |
| 17 | 57-2215 | Thrust washer                        | 1 |  |
| 18 | 57-0912 | Peg, thrust plate                    | 1 |  |
| 19 | 57-2166 | Filler plug                          | 1 |  |
| 20 | 70-8782 | "O" ring                             | 1 |  |
| 21 | 57-3954 | Inspection cover                     | 1 |  |
| 22 | 71-1449 | Inspection cover gasket              | 1 |  |
| 23 | 14-6605 | Screw, inspect on cover              | 4 |  |
| 24 | 57-2220 | Clutch cable abutment                | 1 |  |
| 25 | 57-1645 | Adaptor                              | 1 |  |
| 26 | 57-3733 | Sealing Ring                         | 1 |  |
| 27 | 21-0567 | Locknut                              | 1 |  |
| 28 | 57-1646 | Rubber cap                           | 1 |  |
| 29 | 14-6611 | Screw, outer to inner chaincase      | 6 |  |
| 30 | 14-6612 | Screw, outer to inner chaincase      | 1 |  |
| 31 | 14-6613 | Screw, long outer to inner chaincase | 2 |  |
| 32 | 14-6615 | Screw, outer to inner chaincase      | 1 |  |
| 33 | 14-6504 | Screw, short countersunk             | 2 |  |
| 34 | 14-6509 | Screw, long countersunk              | 1 |  |
| 35 | 14-6610 | Screw, short, chaincase              | 1 |  |
| 36 | 71-2793 | Joint washer                         | 1 |  |
| 37 | 57-0989 | Dowel                                | 2 |  |
| 38 | 57-4124 | Clip, clutch cable                   | 1 |  |
| 39 | 57-3990 | Washer, abutment locknut             | 1 |  |
| 40 | 57-3642 | Oil seal                             | 1 |  |

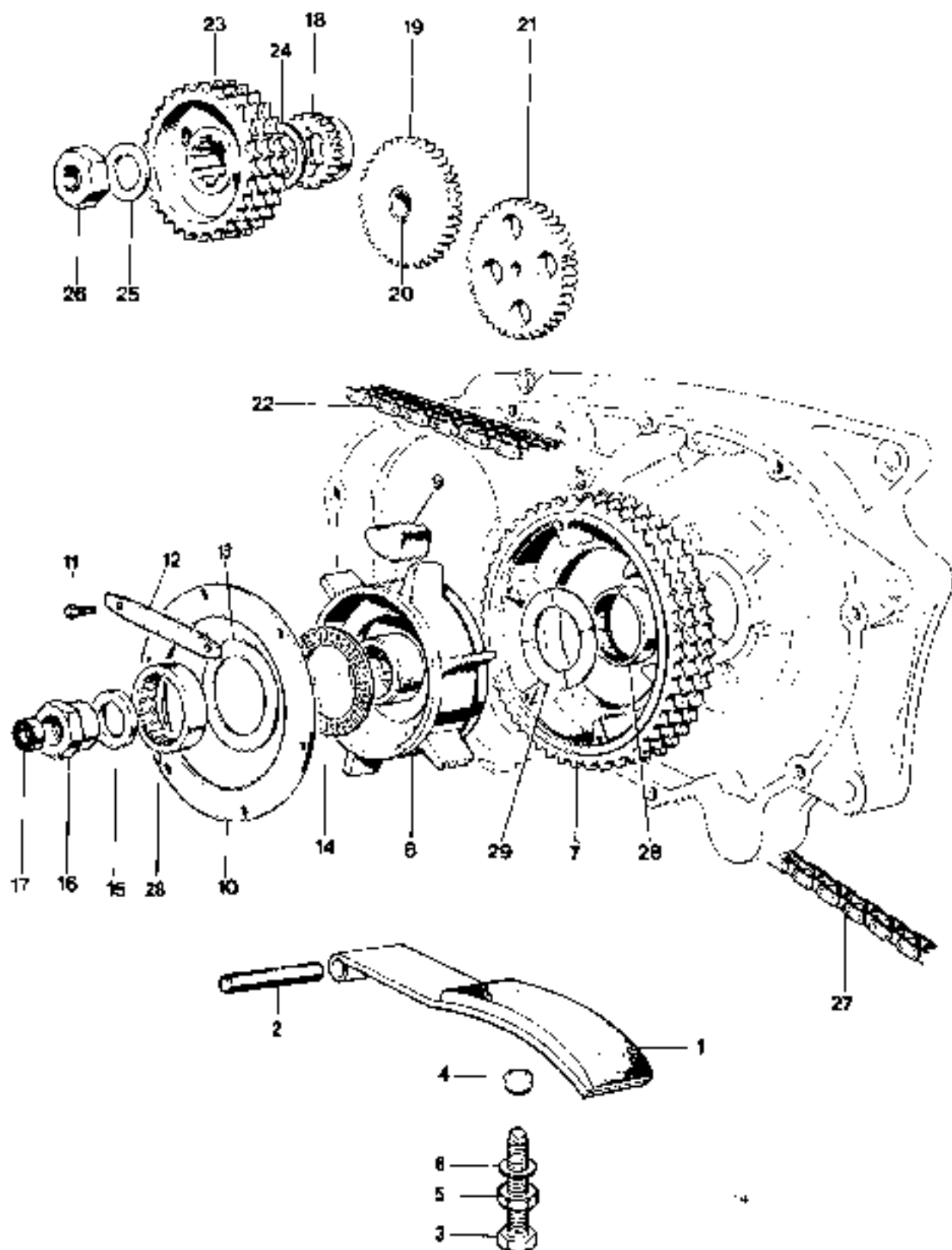


Fig. 14. PRIMARY TRANSMISSION AND OIL PUMP DRIVE

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

# PRIMARY TRANSMISSION AND OIL PUMP DRIVE

|    |          |                                         |             |  |
|----|----------|-----------------------------------------|-------------|--|
| 1  | 57-4597  | Tensioner blade ..                      | 1           |  |
| 2  | 57-4596  | Pivot pin ...                           | 1           |  |
| 3  | 71-1502  | Screw                                   | 1           |  |
| 4  | 71-3221  | Pad                                     | 1           |  |
| 5  | 14-1904  | Nut                                     | 1           |  |
| 6  | 71-3222  | Washer                                  | 1           |  |
| 7  | 57-4225  | Clutch sprocket (50T)                   | 1           |  |
| 8  | 57-4671  | Spider ...                              | 1           |  |
| 9  | 57-5001  | Shock absorber rubber ..                | 12          |  |
| 10 | 57-4004  | Retaining plate ...                     | 1           |  |
| 11 | 57-3940  | Bolt, retaining plate ...               | 6           |  |
| 12 | 57-3941  | Tab washer ...                          | 3           |  |
| 13 | 57-2215  | Outer thrust washer, clutch shaft       | 1           |  |
| 14 | 57-3646  | Thrust race ...                         | 1           |  |
| 15 | 57-2478  | Spacer, shock absorber nut              | 1           |  |
| 16 | 57-2480  | Nut ...                                 | 1           |  |
| 17 | 57-3644  | Oil seal ...                            | 1           |  |
| 18 | 70-7248  | Driven gear ...                         | 1           |  |
| 19 | 70-7246  | INTERMEDIATE GEAR C/W BUSH              | 1           |  |
| 20 | 70-6885  | Bush ...                                | 1           |  |
| 21 | *71-4237 | Oil pump driven gear ...                | 1           |  |
| 22 | 60-0699  | Primary chain, triple row, 82 links ..  | 1           |  |
| 23 | 71-6890  | Engine sprocket (28T) ..                | 1           |  |
| 24 | 70-8038  | Shim, engine sprocket (0.010 in. thick) | as required |  |
| 24 | 71-2660  | Shim, engine sprocket (0.030 in. thick) | as required |  |
| 25 | 70-8785  | Tab washer ...                          | 1           |  |
| 26 | 71-0585  | Nut, engine sprocket ...                | 1           |  |
| 27 | 60-2118  | Rear chain, 107 links ...               | 1           |  |
| 27 | 60-0649  | Rear chain, 105 links ...               | Available   |  |
| 28 | 57-3643  | Needle race ...                         | 2           |  |
| 29 | 57-2214  | Thrust washer, inner ...                | 1           |  |

\*Also listed on page 13.

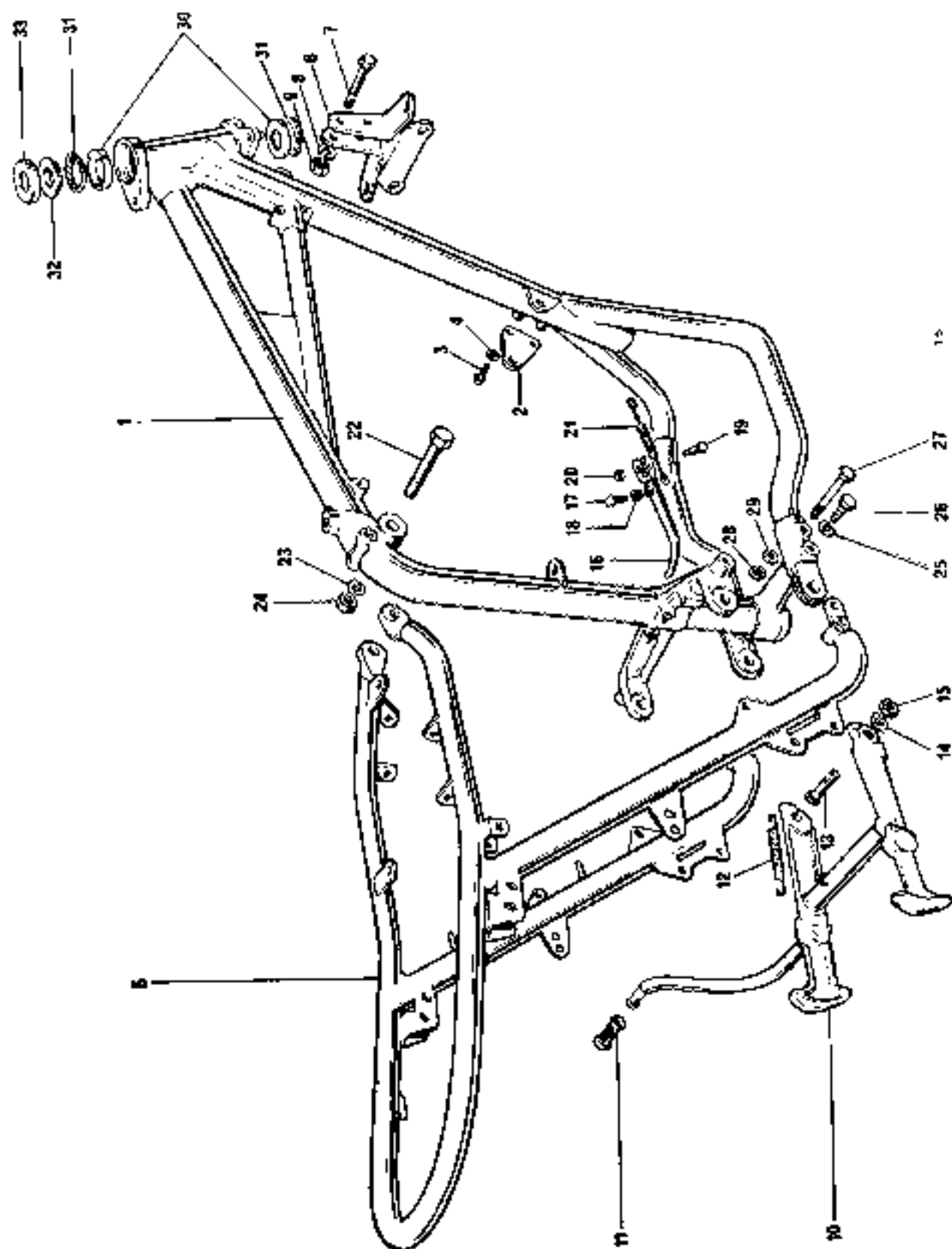


Fig. 15. FRAME

| Ref. No.     | Part No. | DESCRIPTION                                            | QUANTITY | REMARKS |
|--------------|----------|--------------------------------------------------------|----------|---------|
| <b>FRAME</b> |          |                                                        |          |         |
| 1            | 83-5576  | Front frame ... ..                                     | 1        |         |
| 2            | 82-7159  | Front O.S. engine plate ..                             | 1        |         |
| 3            | 14-0126  | Bolt ... ..                                            | 2        |         |
| 4            | 60-4259  | Spring washer ... ..                                   | 2        |         |
| 5            | 83-3219  | Rear frame ... ..                                      | 1        |         |
| 6            | 83-2024  | Mounting bracket, petrol tank                          | 1        |         |
| 7            | 21-1805  | Bolt ... ..                                            | 2        |         |
| 8            | 60-2418  | Spring Washer ... ..                                   | 2        |         |
| 9            | 14-0402  | Nut ... ..                                             | 2        |         |
| 10           | 83-1267  | Centre stand ... ..                                    | 1        |         |
| 11           | 57-2331  | Pedal rubber ... ..                                    | 1        |         |
| 12           | 82-4671  | Spring ... ..                                          | 1        |         |
| 13           | 21-1978  | Pivot bolt ... ..                                      | 2        |         |
| 14           | 83-1270  | Tab washer ... ..                                      | 2        |         |
| 15           | 14-0404  | Nut ... ..                                             | 2        |         |
| 16           | 83-1560  | Prop stand ... ..                                      | 1        |         |
| 17           | 14-0113  | Bolt ... ..                                            | 1        |         |
| 18           | 14-0402  | Nut ... ..                                             | 1        |         |
| 19           | 82-7071  | Swivel pin ... ..                                      | 1        |         |
| 20           | 14-0703  | Nut, swivel pin ... ..                                 | 1        |         |
| 21           | 82-8192  | Spring ... ..                                          | 1        |         |
| 22           | 14-0241  | Bolt, top rear to front frame ..                       | 1        |         |
| 23           | 60-4246  | Washer ... ..                                          | 2        |         |
| 24           | 14-1303  | Nut ... ..                                             | 1        |         |
| 25           | 60-4251  | Spring Washer ... ..                                   | 2        |         |
| 26           | 21-0588  | Bolt, bottom rear to front frame ...                   | 2        |         |
| 27           | 14-0251  | Bolt, front rear to front frame ...                    | 2        |         |
| 28           | 14-1304  | Nut ... ..                                             | 2        |         |
| 29           | 60-2323  | Washer ... ..                                          | 2        |         |
| 30           | 97-0111  | Cup, top and bottom steering race                      | 2        |         |
| 31           | 60-2364  | Steering head bal. ... ..                              | 40       |         |
| 32           | 97-1018  | Top cone (c.w. dust cover) ...                         | 1        |         |
| 33           | 97-4145  | Steering stem collar ... ..                            | 1        |         |
| Not illus.   | 60-4520  | Transfer "Safety Standards" (U.S.A.)                   | 1        |         |
| Not illus.   | 60-2349  | Prop stand washer (Sweden, Denmark and Switzerland)    | 2        |         |
| Not illus.   | 83-3970  | Prop stand pivot pin (Sweden, Denmark and Switzerland) | 1        |         |
| Not illus.   | 83-3971  | Prop stand spring (Sweden, Denmark and Switzerland)    | 1        |         |

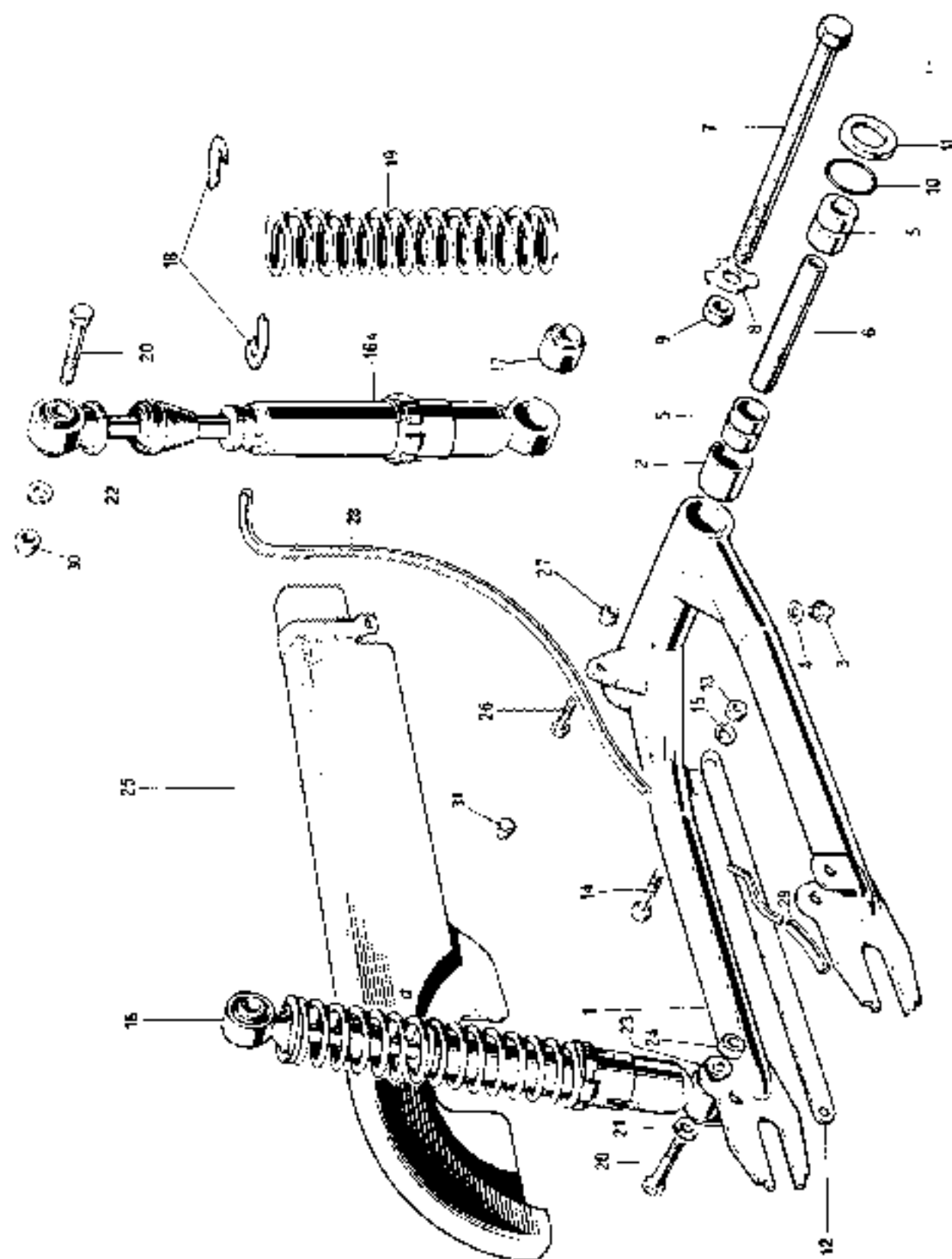


FIG. 16. SWINGING FORK AND SUSPENSION UNITS

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

### SWINGING FORK AND SUSPENSION UNITS

|     |          |                             |   |                |
|-----|----------|-----------------------------|---|----------------|
| 1   | 83-3233  | SWINGING FORK               | 1 |                |
| 2   | 82-6042  | Bush                        | 2 |                |
| 3   | 60-1841  | Grease nipple               | 1 |                |
| 4   | 71-2501  | Washer, grease nipple       | 1 |                |
| 5   | 82-6821  | Bobbin                      | 2 |                |
| 6   | 82-5313  | Distance tube               | 1 |                |
| 7   | 21-0620  | Stem bolt                   | 1 |                |
| 8   | 82-5914  | Tab washer                  | 1 |                |
| 9   | 21-0545  | Nut                         | 1 |                |
| 10  | 82-8090  | "O" ring                    | 2 |                |
| 11  | 82-7848  | Oil seal housing            | 2 |                |
| 12  | 83-3228  | Torque stay                 | 1 |                |
| 13  | 14-1304  | Nut                         | 1 |                |
| 14  | 14-0133  | Bolt                        | 1 |                |
| 15  | 60-4267  | Spring washer               | 1 |                |
| 16  | 60-2294  | SUSPENSION UNIT 64052345    | 2 |                |
| 16a | 64052090 | Damper unit                 |   | Reference only |
| 17  | 64533645 | Bonded bush (99-0122)       | 4 |                |
| 18  | 9054171  | Spring retainer (99-0107)   | 4 |                |
| 19  | 64544754 | Spring (110 lbs.) (99-1139) | 2 |                |
| 20  | 14-0235  | Bolt, top and bottom        | 4 |                |
| 21  | 60-2429  | Spring washer--D.S. lower   | 1 |                |
| 22  | 60-4246  | Washer, . . .               | 7 |                |
| 23  | 87-2184  | Washer--D.S. lower          | 1 |                |
| 24  | 14-1303  | Nut                         | 2 |                |
| 25  | 83-5429  | Rear chainguard             | 1 |                |
| 26  | 14-0113  | Front pivot bolt            | 1 |                |
| 27  | 14-0702  | Self-locking nut            | 1 |                |
| 28  | 82-7352  | Chain oiler pipe--long      | 1 |                |
| 29  | 82-9997  | Chain oiler pipe--short     | 1 |                |
| 30  | 14-1303  | Nut                         | 2 |                |
| 31  | 82-7994  | Blanking plug               | 2 |                |

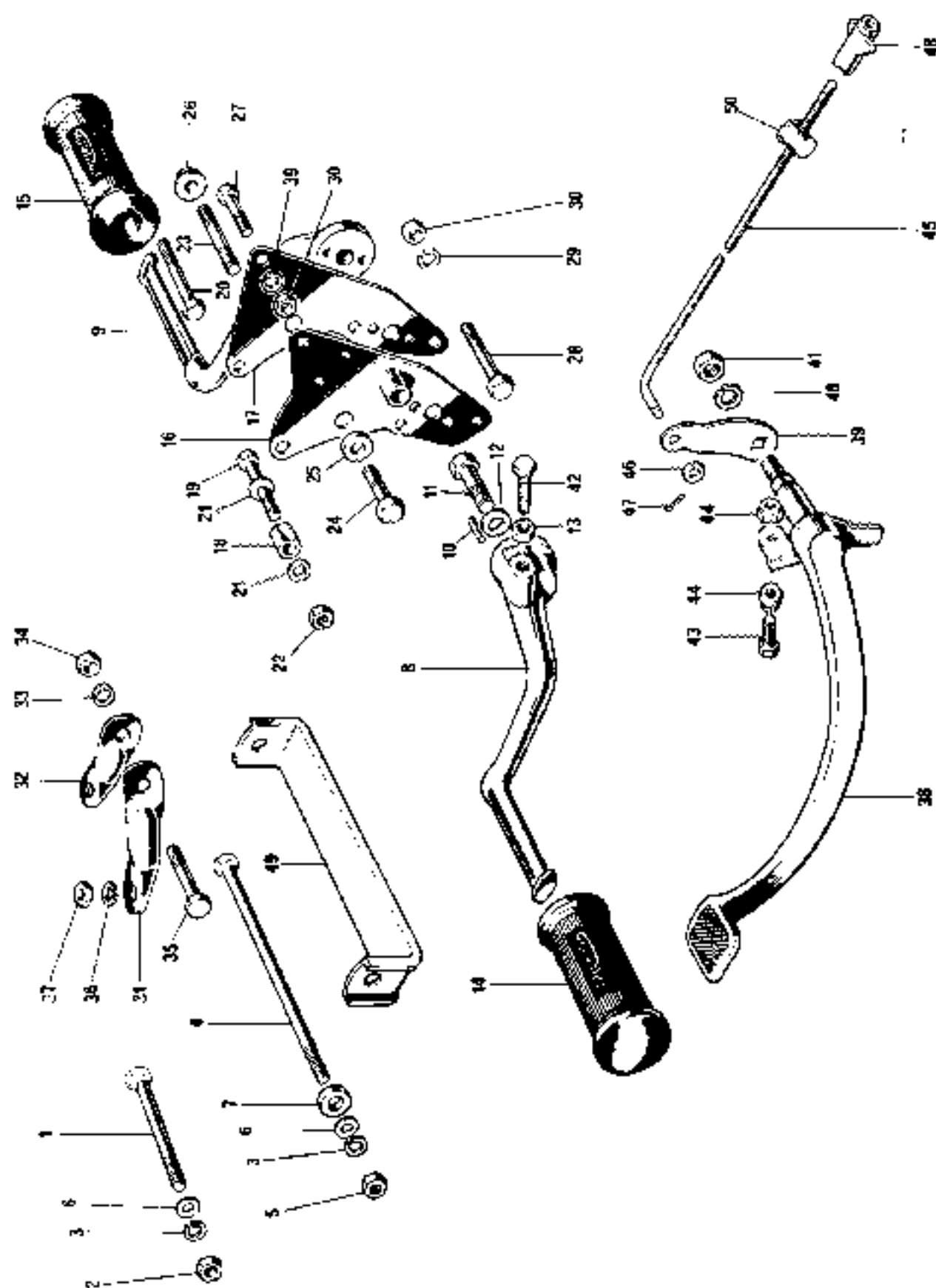


Fig. 17. MOTOR UNIT FITTINGS AND FOOTRESTS

### MOTOR UNIT FITTINGS AND FOOTRESTS

|    |         |                                                                 |                |  |
|----|---------|-----------------------------------------------------------------|----------------|--|
| 1  | 14-0254 | Bolt, front engine to frame (3 $\frac{1}{2}$ in. U.H.)          | 1              |  |
| 2  | 14-1304 | Nut                                                             | 1              |  |
| 3  | 60-2323 | Spring washer                                                   | 2              |  |
| 4  | 21-2112 | Bolt (bottom) engine to frame                                   | 1              |  |
| 5  | 14-1304 | Nut                                                             | 1              |  |
| 6  | 60-2332 | Washer, plain                                                   | 2              |  |
| 7  | 82-5532 | Spacer, bottom engine fixing                                    | 1              |  |
| 8  | 82-9623 | Drive side footrest                                             | 1              |  |
| 9  | 82-9624 | Timing side footrest                                            | 1              |  |
| 10 | 82-5943 | Peg                                                             | 4              |  |
| 11 | 21-1969 | Bolt, footrest                                                  | 2              |  |
| 12 | 82-8243 | Washer, footrest stud                                           | 2              |  |
| 13 | 14-0401 | Locknut                                                         | 1              |  |
| 14 | 82-9279 | Footrest rubber T.S.                                            | 1              |  |
| 15 | 82-9630 | Footrest rubber D.S.                                            | 1              |  |
| 16 | 83-1597 | Rear engine plate T.S.                                          | 1              |  |
| 17 | 83-1594 | Rear engine plate D.S.                                          | 1              |  |
| 18 | 83-1598 | Sparer D.S. rear engine plate                                   | 2              |  |
| 19 | 14-0222 | Bolt, D.S. rear engine plate to engine                          | 2              |  |
| 20 | 14-0221 | Bolt, T.S. rear engine plate to engine                          | 2              |  |
| 21 | 60-4247 | Washer, rear engine plate to engine                             | 8              |  |
| 22 | 14-1302 | Nut                                                             | 4              |  |
| 23 | 21-0548 | Stud, T.S. pivot lug to engine plate (1 $\frac{1}{2}$ in. O.A.) | 1              |  |
| 24 | 14-0132 | Bolt, D.S. pivot lug to engine plate                            | 1              |  |
| 25 | 82-3770 | Washer                                                          | 1              |  |
| 26 | 82-7389 | Nut                                                             | 2              |  |
| 27 | 14-0128 | Bolt, upper rear engine plate to frame                          | 2              |  |
| 28 | 14-0234 | Bolt, lower rear engine plate to frame                          | 2              |  |
| 29 | 60-2322 | Spring washer                                                   | 4              |  |
| 30 | 14-1303 | Nut                                                             | 4              |  |
| 31 | 82-9378 | Torque stay engine L.H.                                         | 1              |  |
| 32 | 82-9379 | Torque stay engine R.H.                                         | 1              |  |
| 33 | 60-4246 | Washer                                                          | 2              |  |
| 34 | 14-1303 | Nut                                                             | 2              |  |
| 35 | 14-0237 | Bolt, torque stay to frame                                      | 1              |  |
| 36 | 60-2321 | Washer                                                          | 2              |  |
| 37 | 14-1302 | Nut                                                             | 1              |  |
| 38 | 82-9635 | Rear brake pedal                                                | 1              |  |
| 39 | 82-6064 | Lever                                                           | 1              |  |
| 40 | 60-2322 | Spring washer                                                   | 1              |  |
| 41 | 14-1303 | Nut                                                             | 1              |  |
| 42 | 14-0105 | Stop bolt                                                       | 1              |  |
| 43 | 14-0103 | Adjuster, stoplamp switch                                       | 1              |  |
| 44 | 14-0401 | Nut, adjuster                                                   | 2              |  |
| 45 | 83-1752 | Brake rod                                                       | 1              |  |
| 46 | 60-4248 | Washer, plain                                                   | 1              |  |
| 47 | 60-2583 | Split pin, (1 $\frac{1}{2}$ in. - 2 in.)                        | Reference only |  |
| 48 | 82-7387 | Adjuster nut                                                    | 1              |  |
| 49 | 82-9529 | Oil pipe retaining strap                                        | 1              |  |
| 50 | 37-1467 | Pivot pin                                                       | 1              |  |

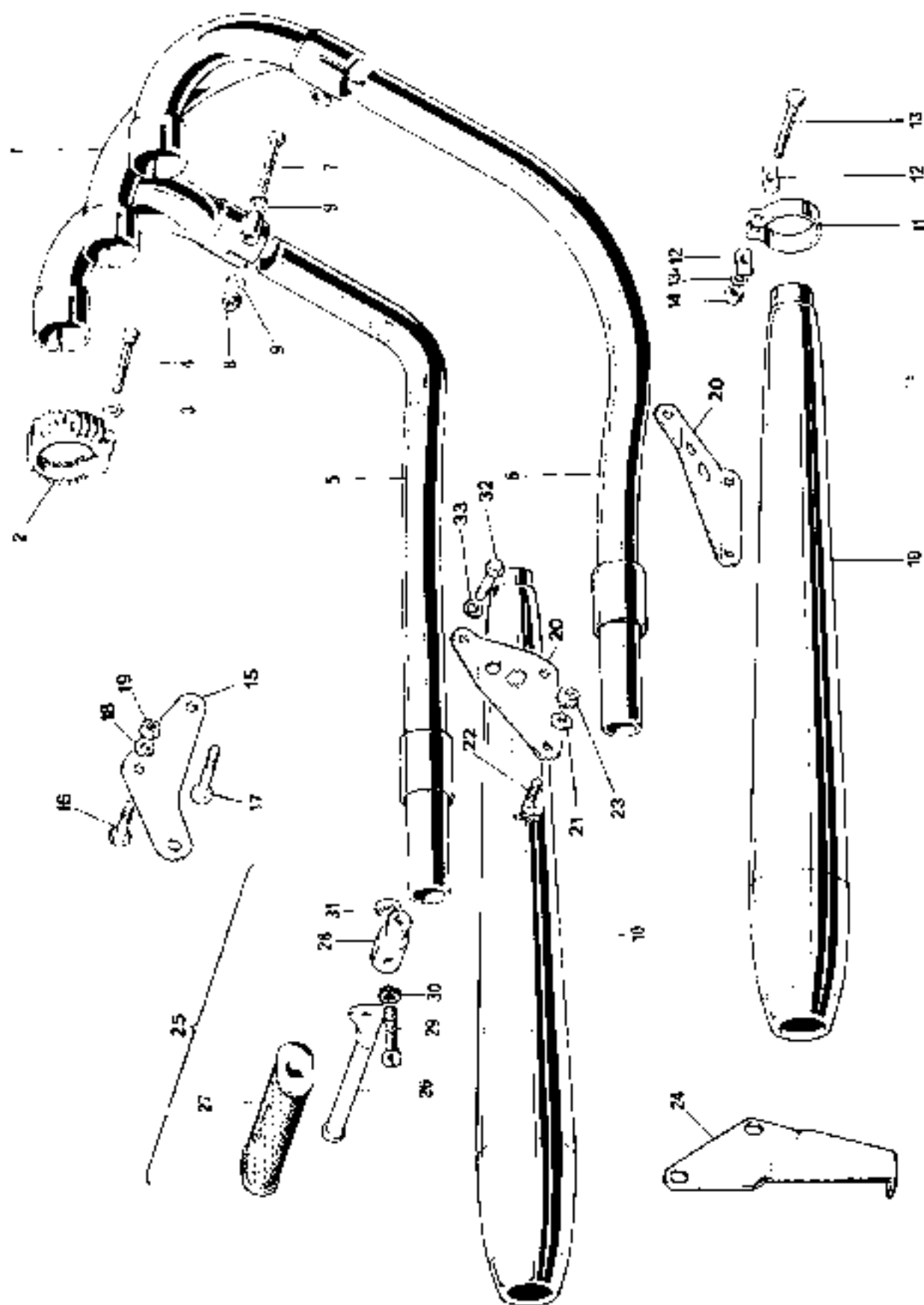


FIG. 18. EXHAUST PIPES AND MUFFLERS

### EXHAUST PIPES AND MUFFLERS

|     |         |                         |   |  |
|-----|---------|-------------------------|---|--|
| 1   | 70-7597 | Exhaust manifold        | 1 |  |
| 2   | 70-6743 | Finned clip             | 3 |  |
| 3   | 70-8860 | Hemispherical washer    | 3 |  |
| 4   | 70-6744 | Bolt                    | 3 |  |
| 5   | 71-3812 | Exhaust pipe—L. H.      | 1 |  |
| 6   | 71-3815 | Exhaust pipe—R. H.      | 1 |  |
| 7   | 14-0205 | Bolt                    | 2 |  |
| 8   | 14-1201 | Nut                     | 2 |  |
| 9   | 60-4245 | Washer                  | 4 |  |
| 10  | 71-4159 | Muffler                 | 2 |  |
| 11  | 70-5874 | Clip                    | 2 |  |
| 12  | 70-3768 | "D" washer              | 4 |  |
| 13  | 14-0219 | Bolt                    | 2 |  |
| 13A | 60-4247 | Washer                  | 2 |  |
| 14  | 14-1202 | Nut                     | 2 |  |
| 15  | 71-3817 | Hanger                  | 2 |  |
| 16  | 14-0115 | Bolt                    | 2 |  |
| 17  | 14-0116 | Bolt                    | 2 |  |
| 18  | 60-4247 | Washer                  | 4 |  |
| 19  | 14-1302 | Nut                     | 4 |  |
| 20  | 71-3810 | Bracket—L.H.            | 1 |  |
| 20  | 71-3811 | Bracket—R.H.            | 1 |  |
| 21  | 60-4248 | Washer                  | 4 |  |
| 22  | 14-0102 | Bolt                    | 4 |  |
| 23  | 14-1201 | Nut                     | 4 |  |
| 24  | 83-2033 | Centre stand stop plate | 1 |  |
| 25  | 82-9369 | PALLION FOOTREST        | 2 |  |
| 26  | 82-1634 | Foot                    | 1 |  |
| 27  | 82-1635 | Rubber                  | 1 |  |
| 28  | 82-9370 | Hanger                  | 1 |  |
| 29  | 82-9371 | Pivot bolt              | 1 |  |
| 30  | 60-2438 | Thackeray washer        | 1 |  |
| 31  | 14-0302 | Nut                     | 1 |  |
| 32  | 14-0128 | Bolt                    | 1 |  |
| 33  | 60-4259 | Spring washer           | 1 |  |

Each assembly

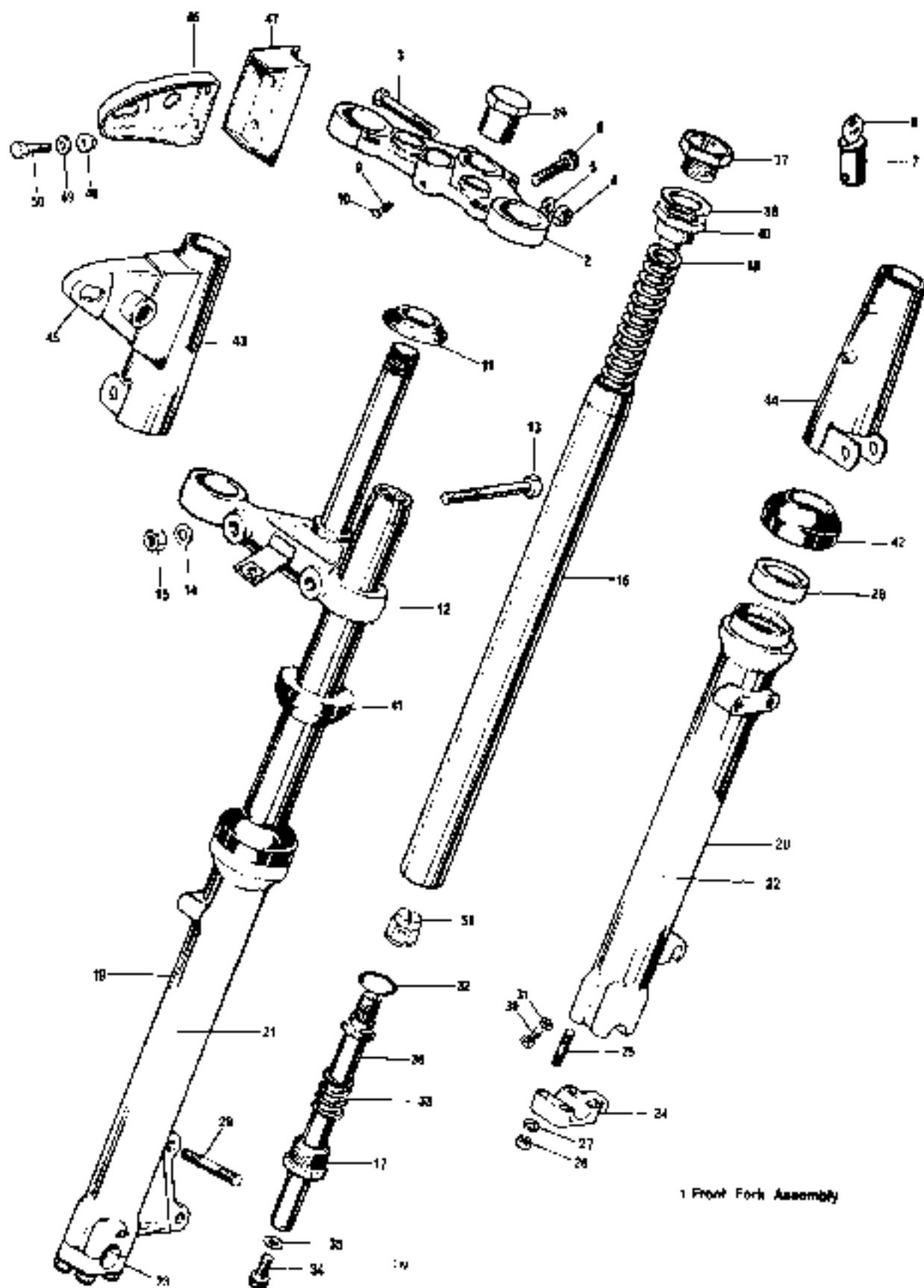


Fig. 19. TELESCOPIC FRONT FORK

### TELESCOPIC FRONT FORK

|    |         |                                |   |  |
|----|---------|--------------------------------|---|--|
| 1  | 97-4468 | FORK ASSEMBLY                  | 1 |  |
| 2  | 97-4381 | Top yoke                       | 1 |  |
| 3  | 14-0234 | Pinch bolt                     | 1 |  |
| 4  | 14-1303 | Nut                            | 1 |  |
| 5  | 60-2331 | Washer                         | 1 |  |
| 6  | 14-1034 | Cap screw                      | 2 |  |
| 7  | 82-6738 | Lock pin 2 keys                | 1 |  |
| 8  | 60-2623 | Key (state serial number)      | 1 |  |
| 9  | 21-0578 | Grub screw                     | 1 |  |
| 10 | 97-2266 | Sealing washer                 | 1 |  |
| 11 | 97-0439 | Bottom cone                    | 2 |  |
| 12 | 97-4463 | Bottom yoke and stem           | 1 |  |
| 13 | 14-0237 | Pinch bolt                     | 1 |  |
| 13 | 97-4476 | Pinch bolt                     | 1 |  |
| 14 | 82-2184 | Washer                         | 4 |  |
| 15 | 14-1303 | Nut                            | 2 |  |
| 16 | 97-4380 | Stanchion                      | 2 |  |
| 17 | 97-4076 | End plug                       | 2 |  |
| 18 | 97-4215 | Main spring                    | 2 |  |
| 19 | 97-4399 | OUTER MEMBER—L.H. (Assembly)   | 1 |  |
| 20 | 97-4398 | OUTER MEMBER—R.H. (Assembly)   | 1 |  |
| 21 | 97-4377 | Outer Member L.H.              | 1 |  |
| 22 | 97-4376 | Outer Member R.H.              | 1 |  |
| 23 | 97-4456 | Cap, wheel spindle—L.H.        | 1 |  |
| 24 | 97-4457 | Cap, wheel spindle—R.H.        | 1 |  |
| 25 | 21-2102 | Stud                           | 8 |  |
| 26 | 14-0302 | Nut                            | 8 |  |
| 27 | 60-2428 | Washer                         | 8 |  |
| 28 | 97-4001 | Oil seal                       | 2 |  |
| 29 | 21-2189 | Stud, caliper to outer member  | 2 |  |
| 30 | 82-4715 | Drain plug                     | 2 |  |
| 31 | 97-3893 | Washer                         | 2 |  |
| 32 | 97-4003 | O' ring                        | 2 |  |
| 33 | 97-4009 | Recoil spring                  | 2 |  |
| 34 | 14-1019 | Cap screw                      | 2 |  |
| 35 | 97-4004 | Cap screw seal                 | 2 |  |
| 36 | 97-4242 | Damper tube and valve assembly | 2 |  |
| 37 | 97-4404 | Top cap nut                    | 2 |  |
| 38 | 97-4166 | Washer                         | 2 |  |
| 39 | 97-4347 | Steering stem nut              | 1 |  |
| 40 | 97-4387 | Cap screw, top cap nut         | 2 |  |
| 41 | 97-4461 | Rubber ring, outer cover       | 2 |  |
| 42 | 97-4002 | Stripper sleeve                | 2 |  |
| 43 | 97-4482 | Outer cover—L.H.               | 1 |  |
| 44 | 97-4483 | Outer cover—R.H.               | 1 |  |
| 45 | 97-4121 | Headlamp bracket—L.H.          | 1 |  |
| 46 | 97-4203 | Headlamp bracket—R.H.          | 1 |  |
| 47 | 97-2208 | Rubber mounting                | 2 |  |
| 48 | 97-2209 | Rubber buffer                  | 4 |  |
| 49 | 97-2210 | Barking washer                 | 4 |  |
| 50 | 21-2095 | Attachment bolt                | 4 |  |
| 51 | 97-4244 | Nut, damper valve              | 1 |  |

### ALTERNATIVE FITMENTS (NOT U.S.A.)

|            |         |                                          |   |  |
|------------|---------|------------------------------------------|---|--|
|            | 97-4469 | Fork assembly                            | 1 |  |
|            | 97-1510 | Gaiter                                   | 2 |  |
|            | 97-4484 | Outer cover—L.H.                         | 1 |  |
|            | 97-4485 | Outer cover—R.H.                         | 1 |  |
| Not illus. | 66-3780 | Lock assembly (Germany and Fin and only) | 1 |  |
| Not illus. | 97-4470 | Top yoke (Germany and Fin and only)      | 1 |  |

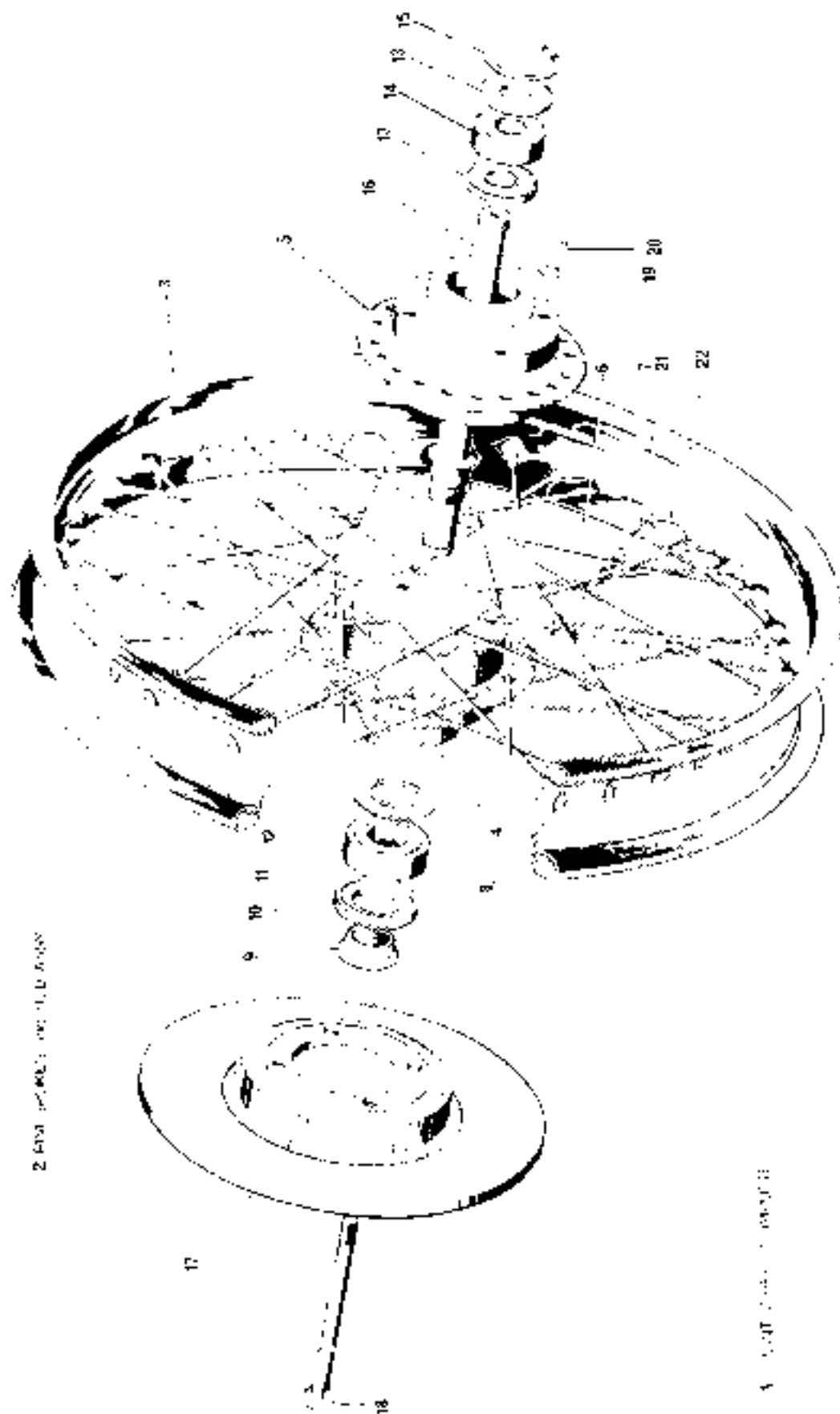


FIG. 20. FRONT WHEEL

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

# FRONT WHEEL

|    |         |                              |          |  |
|----|---------|------------------------------|----------|--|
| 1  | 37-4141 | FRONT WHEEL COMPLETE         | 1        |  |
| 2  | 37-4304 | RIM, SPOKES AND HUB ASSEMBLY | 1        |  |
| 3  | 37-4129 | Rim                          | 1        |  |
| 4  | 37-4126 | Hub—L.H. half                | 1        |  |
| 5  | 37-4127 | Hub—R.H. half                | 1        |  |
| 6  | 37-4131 | Spoke—Outer                  | 20       |  |
| 7  | 37-4130 | Spoke—Inner                  | 20       |  |
| 8  | 37-4302 | Spoke Nipple                 | 40       |  |
| 9  | 37-4133 | Locknut—L.H.                 | 1        |  |
| 10 | 37-4134 | Lock Ring—L.H.               | 1        |  |
| 11 | 57-1070 | Bearing—L.H.                 | 1        |  |
| 12 | 37-4135 | Grease retainer—L.H.         | 1        |  |
| 13 | 37-1237 | Dust Cover—R.H.              | 2        |  |
| 14 | 37-0653 | Bearing—R.H.                 | 1        |  |
| 15 | 57-0280 | Circlip—R.H.                 | 1        |  |
| 16 | 37-4132 | Spindle                      | 1        |  |
| 17 | 37-4275 | Disc                         | 1        |  |
| 18 | 21-2207 | Bolt                         | 4        |  |
| 19 | 70-8770 | Washer } Disc to hub         | 4        |  |
| 20 | 14-1903 | Nut }                        | 4        |  |
| 21 | 37-3969 | Balance weight               | As reqd. |  |
| 22 | 37-3970 | Balance weight               | As reqd. |  |

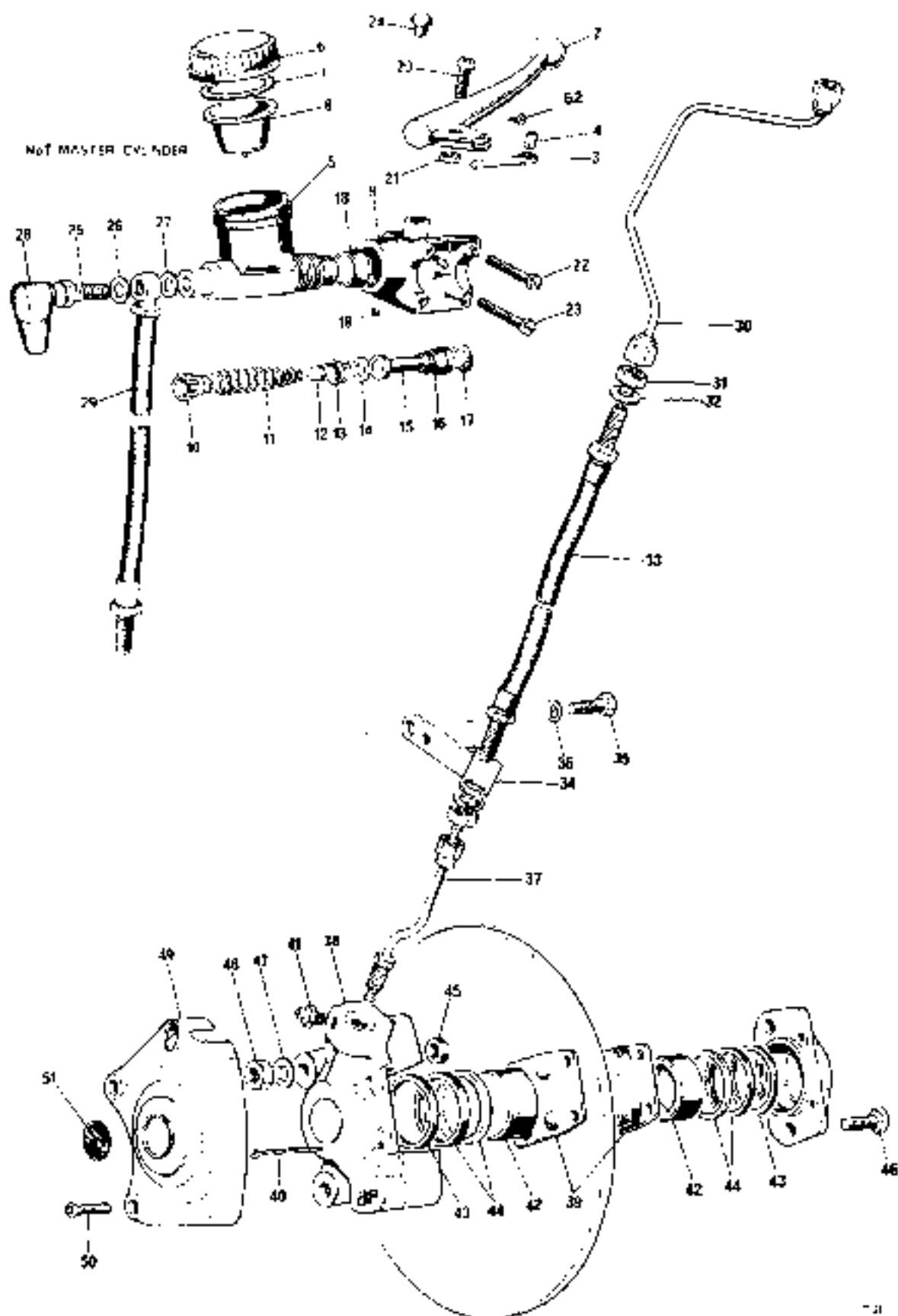
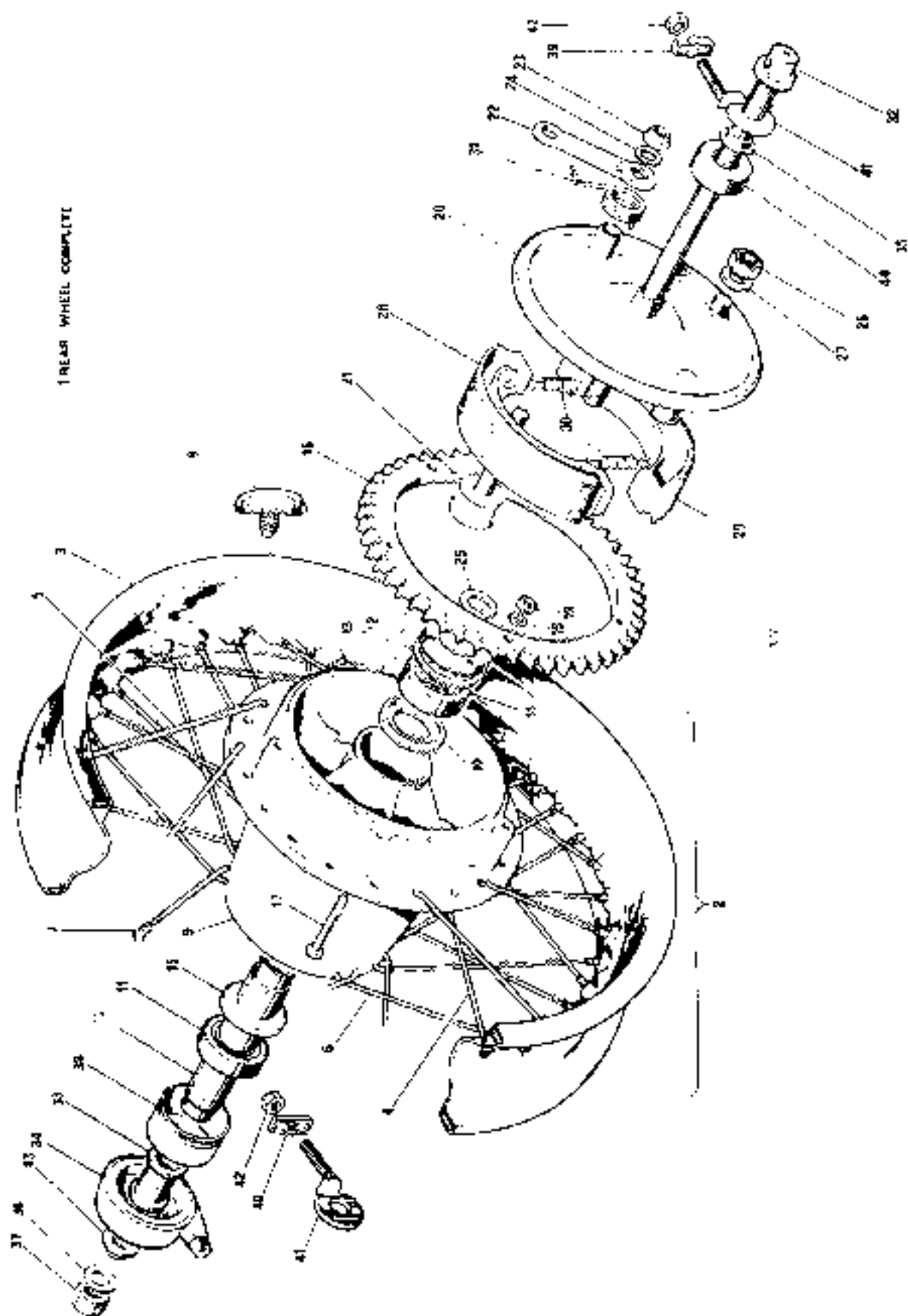


Fig. 21. FRONT BRAKE

| Ref. No.           | Part No.    | DESCRIPTION                                 | QUANTITY | REMARKS        |
|--------------------|-------------|---------------------------------------------|----------|----------------|
| <b>FRONT BRAKE</b> |             |                                             |          |                |
| 1                  | 4222-979    | MASTER CYLINDER (60-4102)                   | 1        |                |
| 2                  | 97-4391     | Brake lever ..                              | 1        |                |
| 3                  | 3761-270    | Piston ..                                   |          | Reference only |
| 4                  | 3528-441    | Spiral pin ..                               |          | Reference only |
| 5                  | 4221-072    | Barrel and tank assy. (99-2770)             | 1        |                |
| 6                  | 3847-240    | Cap (99-2751)                               | 1        |                |
| 7                  | 60-4328     | Washer ..                                   | 1        |                |
| 8                  | *3818-747   | Diaphragm (99-2752)                         | 1        |                |
| 9                  | 3338-901    | Switch housing (99-2753)                    | 1        |                |
| 10                 | *4312-318   | Trap valve (99-2754)                        | 1        |                |
| 11                 | 3118-234    | Spring (99-2755)                            | 1        |                |
| 12                 | 3675-216    | Spring retainer (99-2756)                   | 1        |                |
| 13                 | *3842-424   | Primary cup (99-2757)                       | 1        |                |
| 14                 | *106418     | Piston washer (99-2758)                     | 1        |                |
| 15                 | 3261-542    | Piston (99-2759)                            | 1        |                |
| 16                 | *3871-473   | Secondary cup (99-2760)                     | 1        |                |
| 17                 | K29103      | Circlip (99-2761)                           | 1        |                |
| 18                 | *3811-420   | Rubber boot (99-2762)                       | 1        |                |
| 19                 | 3476-209    | Grub screw (99-2763)                        | 1        |                |
| 20                 | 21-2191     | Pivot screw ..                              | 1        |                |
| 21                 | 14-1201     | Nut ..                                      | 1        |                |
| 22                 | 21-2192     | Screw } Switch assy. to housing             | 2        |                |
| 23                 | 21-2194     | Screw }                                     | 2        |                |
| 24                 | 70-7573     | Plug ..                                     | 1        |                |
| 25                 | 30420       | Banjo bolt (60-4183)                        | 1        |                |
| 26                 | KL44516     | Sealing washer (60-4182)                    | 1        |                |
| 27                 | KL44518     | Sealing washer (60-4184)                    | 1        |                |
| 28                 | 3817-810    | Rubber boot (60-4186)                       | 1        |                |
| 29                 | KL58505 cs. | Hose, master cylinder to top yoke (60-4176) | 1        |                |
| 29                 | KL10007 cs. | Hose, master cylinder to top yoke (60-4177) |          | Available      |
| 30                 | ZT2071N     | Pipe, top yoke to bottom yoke (60-4179)     | 1        |                |
| 31                 | K24103      | Locknut (60-4180)                           | 3        |                |
| 32                 | K19407      | Washer (60-4181)                            | 3        |                |
| 33                 | KL56612 cs. | Hose, bottom yoke to fork leg (60-4175)     | 1        |                |
| 34                 | B3-5150     | Bracket, pipe support ..                    | 1        |                |
| 35                 | 14-0103     | Bolt } Bracket to fork leg                  | 2        |                |
| 36                 | 60-2427     | Washer }                                    | 2        |                |
| 37                 | ZTA2070N    | Pipe, fork leg caliper (60-4178)            | 1        |                |
| 38                 | 4823-432    | C.A. IPFR (60-4101)                         | 1        |                |
| 39                 | *4741-537   | Brake pad ..                                |          | Reference only |
| 40                 | †K19866TP2  | Retaining pin ..                            |          | Reference only |
| 41                 | 3486-229    | Bleed nipple (99-2764)                      | 1        |                |
| 42                 | 3275-428    | Piston (99-2765)                            | 2        |                |
| 43                 | 96498       | Fluid seal (99-2766)                        | 2        |                |
| 44                 | 55B72075    | Retainer (99-2767)                          | 2        |                |
| 45                 | 102799      | Fluid seal ..                               |          | Reference only |
| 46                 | 3437-307    | Bolt ..                                     |          | Reference only |
| 47                 | 60-2337     | Washer } Caliper to outer member            | 2        |                |
| 48                 | 14-1303     | Nut }                                       | 2        |                |
| 49                 | 37-4263     | Cover, caliper ..                           | 2        |                |
| 50                 | 21-2196     | Screw, cover attachment ..                  | 2        |                |
| 51                 | 60-4156     | Decal, caliper cover ..                     | 1        |                |
| 52                 | 21-1998     | Screw, stop switch to lever body ..         | 1        |                |
| Not illus          | 60-4266     | Cover, Bleed Nipple ..                      | 1        |                |

\*\*Available as separate service kits (see page 7)



**FIG. 22 REAR WHEEL**

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

### REAR WHEEL

|    |         |                                          |    |           |
|----|---------|------------------------------------------|----|-----------|
| 1  | 37-4250 | REAR WHEEL COMPLETE                      | 1  |           |
| 1  | 37-4284 | REAR WHEEL COMPLETE (not U.S.A.)         | 1  |           |
| 2  | 37-4184 | RIM SPOKES AND HUB ASSEMBLY              | 1  |           |
| 3  | 37-3920 | Rim (WM3 x 19)                           | 1  |           |
| 4  | 37-3921 | Spoke (inner—L.H.)                       | 10 |           |
| 5  | 37-3922 | Spoke (outer—L.H.)                       | 10 |           |
| 6  | 37-3821 | Spoke—R.H.                               | 20 |           |
| 7  | 37-2294 | Nipple                                   | 40 |           |
| 8  | 37-4282 | Hub and brake drum                       | 1  |           |
| 9  | 37-3468 | Tyre security bolt                       | 2  |           |
| 10 | 37-3749 | Support ring—L.H.                        | 1  |           |
| 11 | 37-0653 | Bearing                                  | 2  |           |
| 12 | 37-4181 | Locking ring—L.H.                        | 1  |           |
| 13 | 37-4180 | Spacer—L.H.                              | 1  |           |
| 14 | 37-3753 | Spacer—bearing                           | 1  |           |
| 15 | 37-1654 | Grease retainer—R.H.                     | 1  |           |
| 16 | 37-3903 | Sprocket 53 teeth                        | 1  |           |
| 16 | 37-4046 | Sprocket—50 teeth                        | 1  |           |
| 17 | 14-0207 | Bolt                                     | 5  | Available |
| 18 | 60-2320 | Washer                                   | 5  |           |
| 19 | 14-1301 | Nut                                      | 5  |           |
| 20 | 37-4112 | Brake anchor plate                       | 1  |           |
| 21 | 37-4110 | Brake cam                                | 1  |           |
| 22 | 37-2015 | Brake lever                              | 1  |           |
| 23 | 14-1303 | Nut                                      | 1  |           |
| 24 | 82-2184 | Washer                                   | 1  |           |
| 25 | 60-2335 | Washer, plain—brake side bearing         | 1  |           |
| 26 | 14-1304 | Nut                                      | 1  |           |
| 27 | 60-4251 | Washer } torque arm fixing               | 1  |           |
| 28 | 37-3925 | Brake shoe complete (leading)            | 1  |           |
| 29 | 37-3926 | Brake shoe complete (trailing)           | 1  |           |
| 30 | 37-2328 | Return spring (brake shoe)               | 2  |           |
| 31 | 37-1093 | Return spring (brake lever)              | 1  |           |
| 32 | 37-3980 | Wheel spindle                            | 1  |           |
| 33 | 37-3750 | Distance piece inner—speedometer gearbox | 1  |           |
| 34 | 60-3213 | Speedometer drive gearbox                | 1  |           |
| 35 | 37-3901 | Distance piece outer—L.H.                | 1  |           |
| 36 | 83-2266 | Washer                                   | 1  |           |
| 37 | 14-1307 | Nut                                      | 1  |           |
| 38 | 37-3751 | Speedometer drive ring                   | 1  |           |
| 39 | 37-1015 | Chain adjuster end plate—L.H.            | 1  |           |
| 40 | 37-3961 | Chain adjuster end plate—R.H.            | 1  |           |
| 41 | 37-3919 | Chain adjuster                           | 2  |           |
| 42 | 14-1902 | Nut—chain adjuster                       | 2  |           |
| 43 | 37-3976 | Spacer R.H.—REAR rear wheel spindle      | 1  |           |
| 44 | 37-4119 | Wheel spacer—L.H.                        | 1  |           |

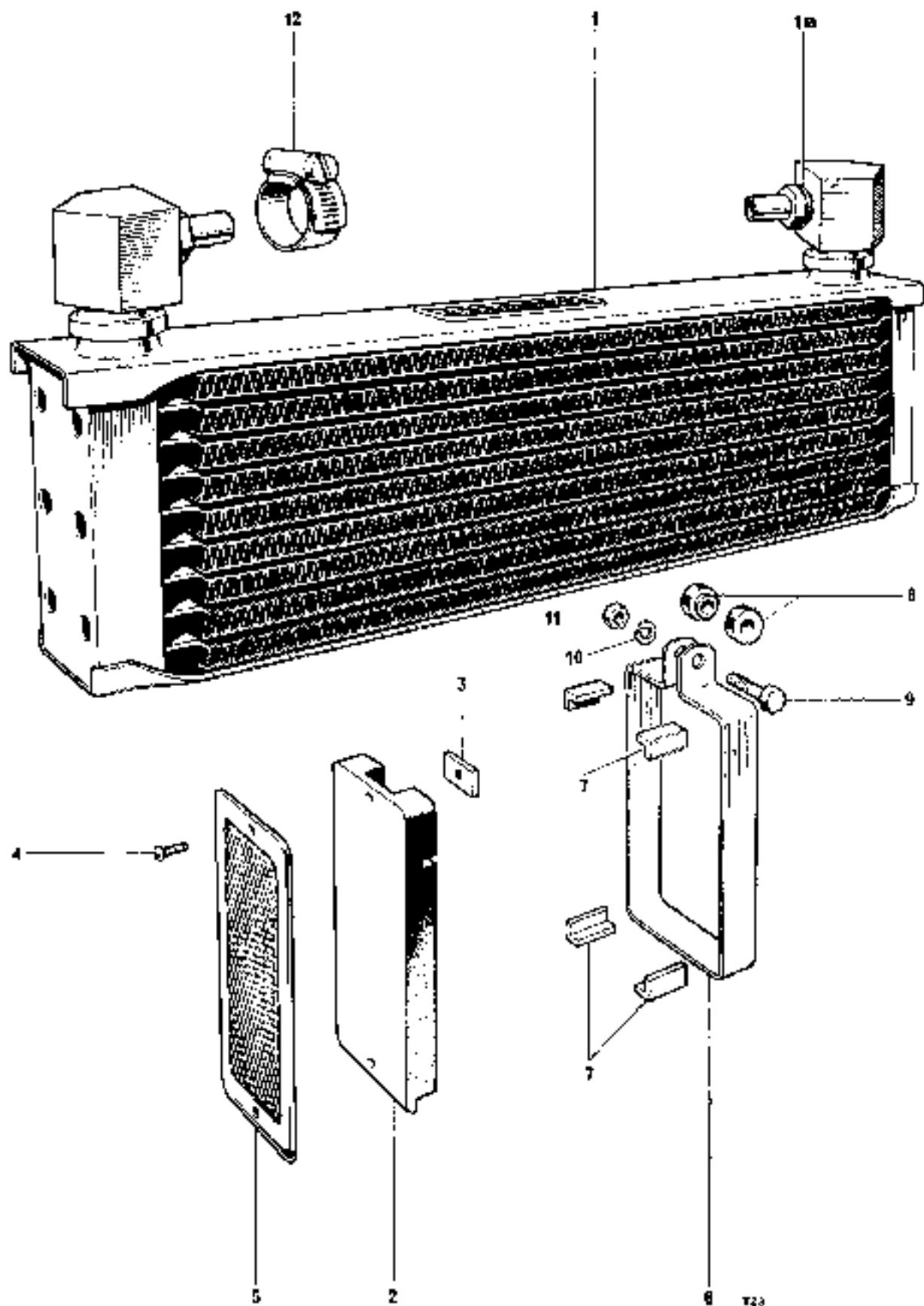


Fig. 21. OIL COOLER

| Ref. No.                | Part No. | DESCRIPTION                                   | QUANTITY | REMARKS        |
|-------------------------|----------|-----------------------------------------------|----------|----------------|
| <b>OIL COOLER GROUP</b> |          |                                               |          |                |
| 1                       | 82-9315  | Oil cooler, including unions ... ..           | 1        |                |
| 1A                      | M10441   | Washer (Cov. Rad.) . . . . .                  |          | Reference only |
| 2                       | 83-9907  | Reflector rubber and plate . . . . .          | 2        |                |
| 3                       | 82-9573  | Reflector nut ... ..                          | 4        |                |
| 4                       | 21-1940  | Reflector screw ... ..                        | 4        |                |
| 5                       | 57160    | Reflector (99-1119) ... ..                    | 2        |                |
| 6                       | 82-9317  | Support strap ... ..                          | 2        |                |
| 7                       | 82-9322  | Corner packing ... ..                         | 8        |                |
| 8                       | 82-9321  | Rubber bush ... ..                            | 4        |                |
| 9                       | 82-9323  | Clamp bolt ( $\frac{39}{64}$ in. U.H.) ... .. | 2        |                |
| 10                      | 70-2351  | Spring washer ... ..                          | 2        |                |
| 11                      | 82-4717  | Nut ... ..                                    | 2        |                |
| 12                      | 60-0702  | Clip, hose ... ..                             | 2        |                |

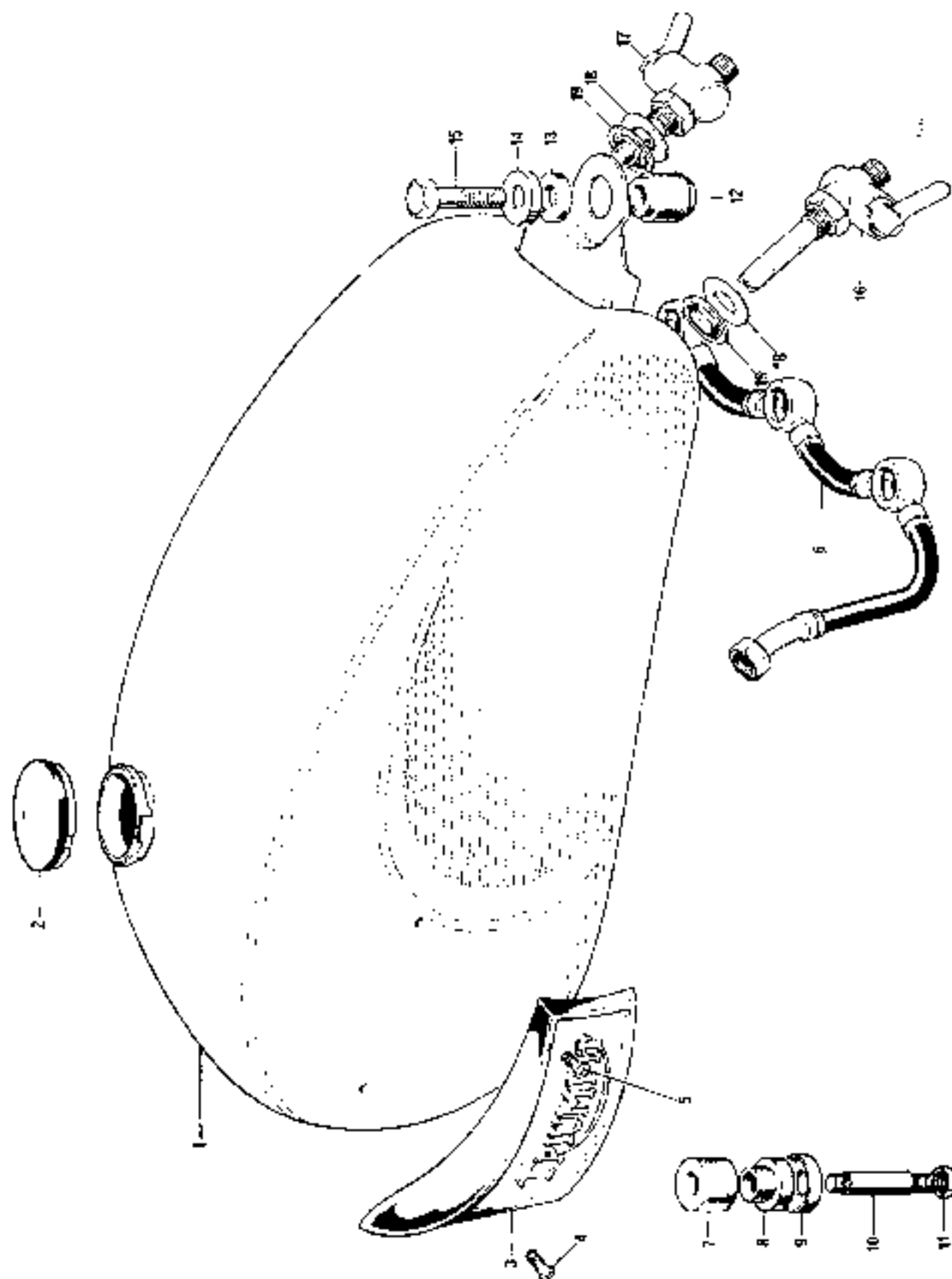


Fig. 24. GAS TANK

| Ref. No.        | Part No. | DESCRIPTION             | QUANTITY             | REMARKS |
|-----------------|----------|-------------------------|----------------------|---------|
| <b>GAS TANK</b> |          |                         |                      |         |
| 1               | 83-5416  | Gas tank (4 U.S. galls) | 1                    |         |
| 2               | 83-3875  | Filler cap ...          | 1                    |         |
| 3               | 82-9701  | Styling unit—D.S.       | 1                    |         |
| 3               | 82-9700  | Styling unit—T.S.       | 1                    |         |
| 4               | 83-1339  | Screw—front             | Styling unit to tank | 2       |
| 5               | 82-7888  | Screw—rear              |                      |         |
| 6               | 83-3154  | Gas pipe ..             | 1                    |         |
| 7               | 82-5228  | Top rubber              | 2                    |         |
| 8               | 82-9543  | Spigoted rubber         | 2                    |         |
| 9               | 82-3814  | Bottom cup              | 2                    |         |
| 10              | 21-2019  | Stud                    | 2                    |         |
| 11              | 14 1302  | Nut                     | 2                    |         |
| 12              | 82-5336  | Mounting rubber         | 1                    |         |
| 13              | 82-0967  | Rubber washer           | 1                    |         |
| 14              | 82-3814  | Cup                     | 1                    |         |
| 15              | 82-7388  | Bolt                    | 1                    |         |
| 16              | 83-2801  | Gas tap—reserve         | 1                    |         |
| 17              | 83-2500  | Gas tap                 | 1                    |         |
| 18              | 83-0602  | Washer                  | 2                    |         |
| 19              | 70-7351  | Tap seal ..             | 2                    |         |

#### ALTERNATIVE FITMENTS (NOT USA)

|         |                              |                         |   |
|---------|------------------------------|-------------------------|---|
| 83-4438 | Mounting bracket petrol tank | 1                       |   |
| 83-5415 | Petrol tank—(4 Imp. Galls.)  | 1                       |   |
| 82-9360 | Styling unit L.H.            | 1                       |   |
| 82-9361 | Styling unit—R.H.            | 1                       |   |
| 92-9381 | Spring clip                  | Styling unit attachment | 2 |
| 21-1804 | Screw                        |                         |   |
| 82-4715 | Screw                        |                         | 4 |
| 83-1673 | Centre band                  | 1                       |   |
| 82-4129 | Screw, centre band           | 2                       |   |
| 82-9372 | Knee grip—L.H.               | 1                       |   |
| 83-9373 | Knee grip—R.H.               | 1                       |   |
| 82-0967 | Rubber washer (rear)         | 1                       |   |
| 82-0967 | Rubber washer (front, cap)   | 2                       |   |

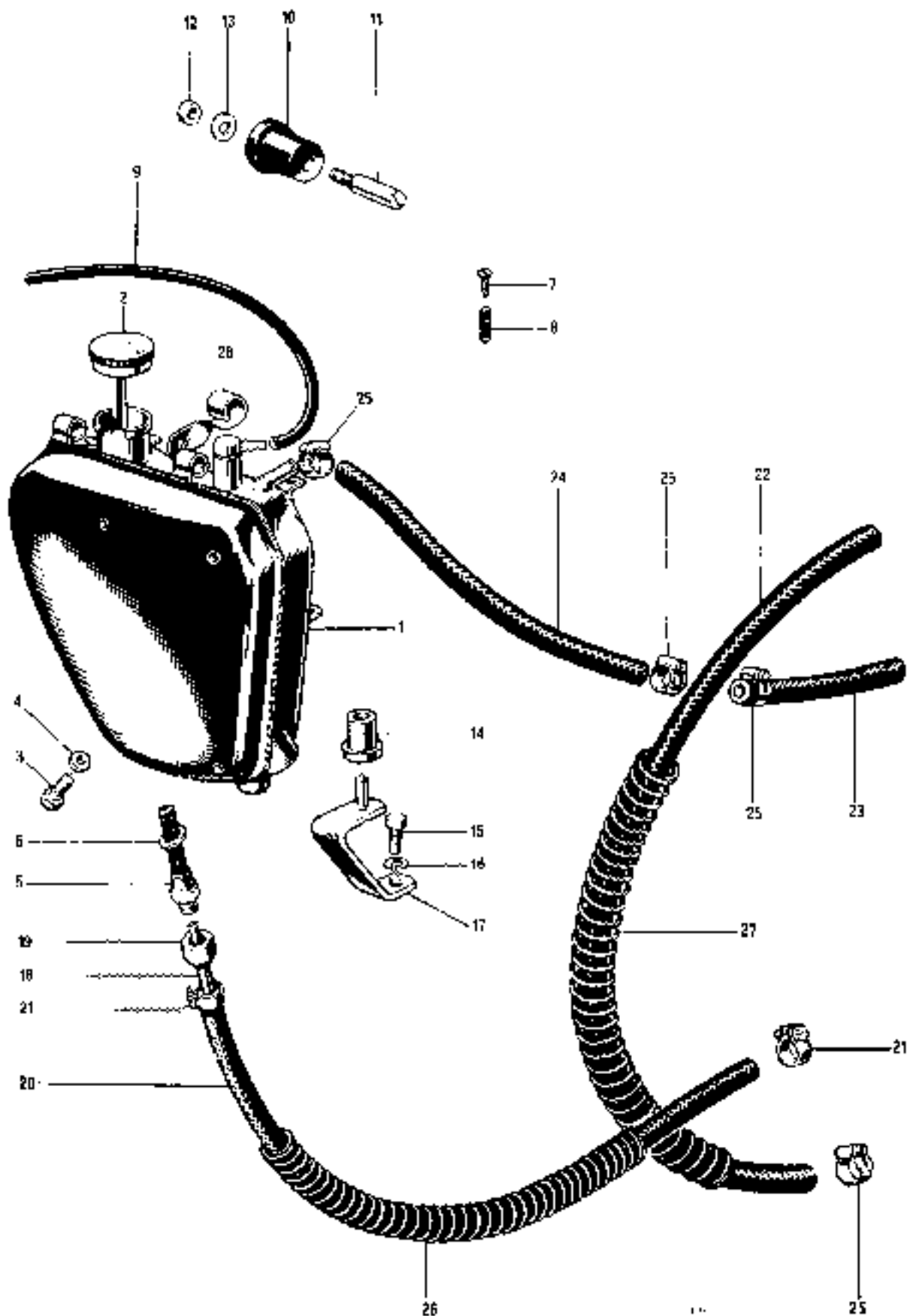


Fig. 25. OIL TANK

| Ref. No.        | Part No. | DESCRIPTION                               | QUANTITY | REMARKS |
|-----------------|----------|-------------------------------------------|----------|---------|
| <b>OIL TANK</b> |          |                                           |          |         |
| 1               | 83-1761  | Oil tank ... ..                           | 1        |         |
| Not illus.      | 60-1816  | Decal (Transfer) ... ..                   | 1        |         |
| 2               | 82-9659  | Filler cap ... ..                         | 1        |         |
| 3               | 82-5343  | Drain plug ... ..                         | 1        |         |
| 4               | 60-4262  | Fibre washer ... ..                       | 1        |         |
| 5               | 82-9430  | Filter ... ..                             | 1        |         |
| 6               | 82-1713  | Fibre washer ... ..                       | 1        |         |
| 7               | 82-9435  | Metering screw ... ..                     | 1        |         |
| 8               | 82-6874  | Metering screw spring ... ..              | 1        |         |
| 9               | 82-9664  | Extension pipe, froth tower ... ..        | 1        |         |
| 10              | 82-6471  | Spigotted rubber ... ..                   | 2        |         |
| 11              | 82-7510  | Peg, tank to frame ... ..                 | 2        |         |
| 12              | 14-1301  | Nut, tank to frame ... ..                 | 2        |         |
| 13              | 60-4248  | Washer, tank to frame ... ..              | 2        |         |
| 14              | 82-6039  | Bottom grommet ... ..                     | 1        |         |
| 15              | 21-1822  | Bottom bolt ... ..                        | 1        |         |
| 16              | 60-2418  | Spring washer ... ..                      | 1        |         |
| 17              | 82-9588  | Bottom bracket ... ..                     | 1        |         |
| 18              | 83-5129  | Oil feed pipe top half ... ..             | 1        |         |
| 19              | 82-3182  | Union nut ... ..                          | 1        |         |
| 20              | 70-8904  | Oil pipe flex tank, to engine ... ..      | 1        |         |
| 21              | 70-6848  | Oil pipe clip ... ..                      | 2        |         |
| 22              | 70-8905  | Oil pipe engine to oil cooler ... ..      | 1        |         |
| 23              | 71-1742  | Rocker to oil cooler flexible pipe ... .. | 1        |         |
| 24              | 71-1743  | Cooler to oil tank flexible pipe ... ..   | 1        |         |
| 25              | 60-0792  | Clip oil return pipe ... ..               | 4        |         |
| 26              | 82-9530  | Feed pipe protection spring ... ..        | 1        |         |
| 27              | 82-9531  | Scavenge pipe spring ... ..               | 1        |         |
| Not illus.      | 82-9918  | Clip, oil pipes to frame ... ..           | 2        |         |
| 28              | 83-1549  | Clip for choke cable ... ..               | 1        |         |

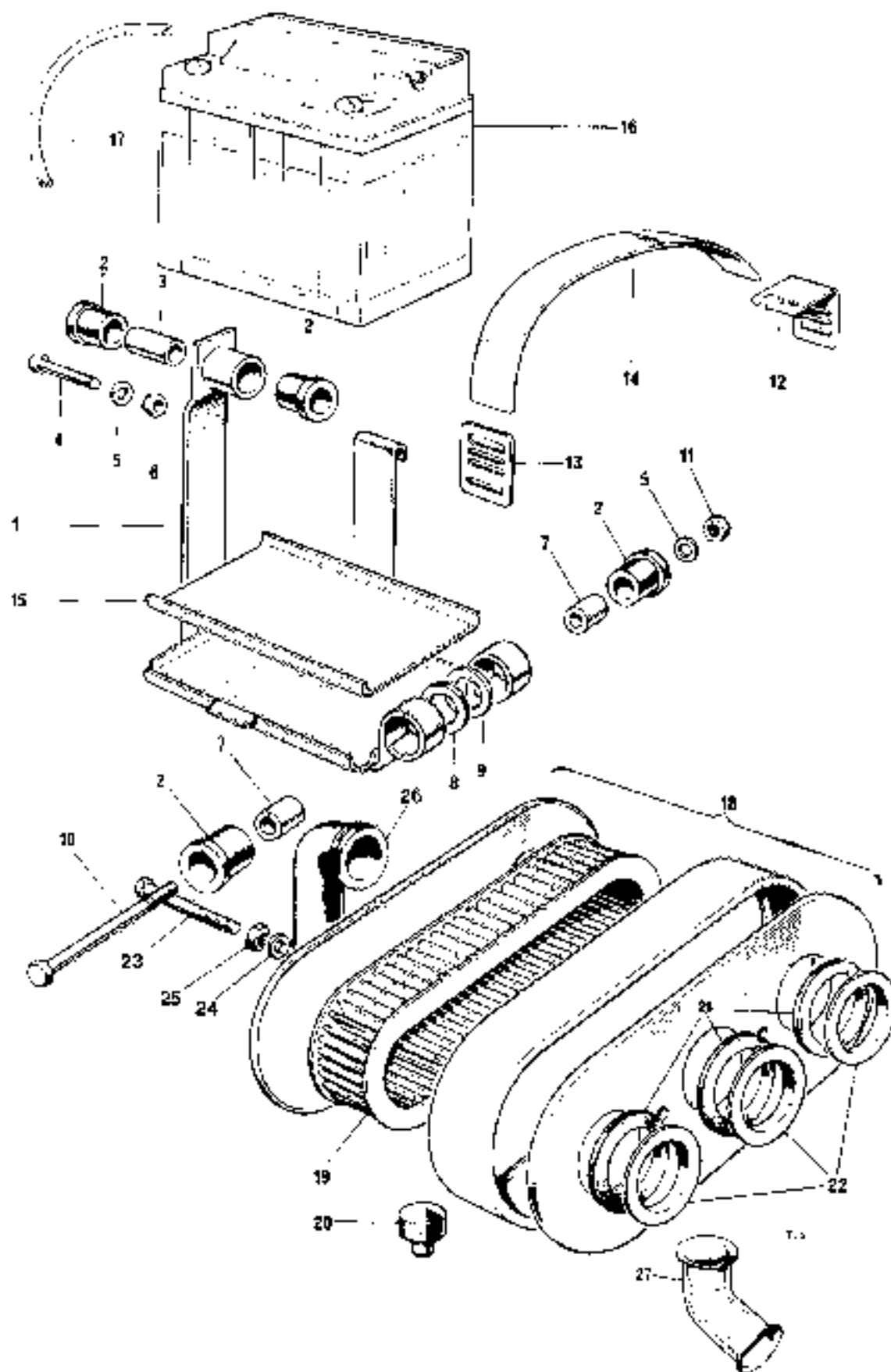


Fig. 26. BATTERY CARRIER AND AIR FILTER

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

### BATTERY CARRIER AND AIR FILTER

|            |          |                             |   |  |
|------------|----------|-----------------------------|---|--|
| 1          | 82-9343  | Battery carrier ... ..      | 1 |  |
| 2          | 82-9351  | Spigotted rubber bush .     | 4 |  |
| 3          | 82-9349  | Top distance tube .. .      | 1 |  |
| 4          | 14-0222  | Top bolt ... ..             | 1 |  |
| 5          | 60-4247  | Washer ... ..               | 2 |  |
| 6          | 14-1302  | Nut . ... ..                | 1 |  |
| 7          | 82-9350  | Bottom distance tube ... .. | 2 |  |
| 8          | 82-9352  | Rubber washer .. ...        | 2 |  |
| 9          | 82-4299  | Washer . ... ..             | 2 |  |
| 10         | 14-0228  | Bolt . ... ..               | 1 |  |
| 11         | 14-1302  | Nut .. ...                  | 1 |  |
| 12         | 82-9354  | Strap buckle top. .         | 1 |  |
| 13         | 82-9355  | Strap buckle bottom ..      | 1 |  |
| 14         | 82-9353  | Retaining strap ... ..      | 1 |  |
| 15         | 82-8091  | Rubber battery tray .       | 1 |  |
| Not illus. | 50-0052  | Transfer, positive earth. . | 1 |  |
| 16         | 54029795 | Battery PUZSA (99-0719)     | 1 |  |
| 17         | 82-7431  | Battery vent pipe .         | 1 |  |
| 18         | 60-4421  | AIR CLEANER C/W ELEMENT     | 1 |  |
| 19         | 60-4528  | Element .. .                | 1 |  |
| 20         | 82-4838  | Buffer ... ..               | 1 |  |
| 21         | 82-9562  | Grommet ... ..              | 3 |  |
| 22         | 70-9586  | Sieve . ... ..              | 3 |  |
| 23         | 14-0213  | Bolt ... ..                 | 2 |  |
| 24         | 60-2347  | Washer . . ... ..           | 2 |  |
| 25         | 14-G401  | Locknut .                   | 2 |  |
| 26         | 82-9563  | Connector hose (breather)   | 1 |  |
| 27         | 33-5504  | Air intake .                | 2 |  |

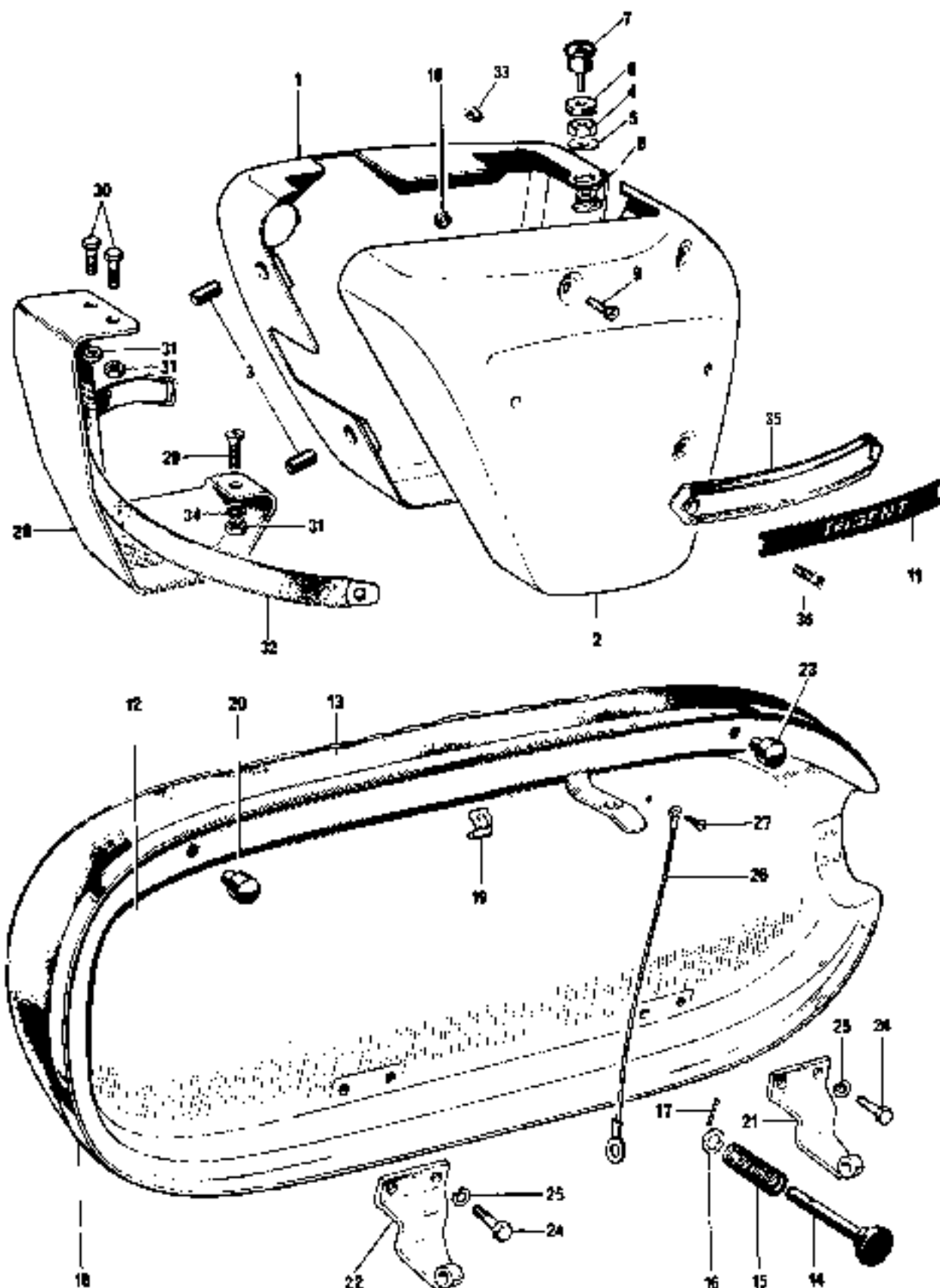


Fig. 27. PANELS AND TWINSEAT

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

### PANELS AND TWINSEAT

|            |         |                                                           |   |                      |
|------------|---------|-----------------------------------------------------------|---|----------------------|
| 1          | 83-4856 | D.S. Panel                                                | 1 |                      |
| 2          | 83-4857 | T.S. Panel                                                | 1 |                      |
| 3          | 82-6673 | Grommet                                                   | 2 |                      |
| 4          | 21-1833 | Lock nut                                                  | 1 |                      |
| 5          | 60-4267 | Washer                                                    | 1 |                      |
| 6          | 82-6968 | Rubber spacer                                             | 1 |                      |
| 7          | 82-9445 | Release knob                                              | 1 |                      |
| 8          | 82-9590 | Boss                                                      | 1 |                      |
| 9          | 14-2205 | Screw T.S. panel to oil tank                              | 4 |                      |
| 10         | 82-9442 | Grommet                                                   | 3 |                      |
| 11         | 60-4391 | Decal, 'Trident'                                          | 2 |                      |
| 12         | 83-2039 | TWINSEAT                                                  | 1 |                      |
| 13         | 83-2239 | Twinscat cover                                            | 1 |                      |
| 14         | 82-7560 | Knob                                                      | 1 |                      |
| 15         | 82-4228 | Spring                                                    | 1 |                      |
| 16         | 70-1719 | Washer                                                    | 1 |                      |
| 17         | 60-2720 | Split pin ( $\frac{3}{32}$ in $\times$ $\frac{1}{2}$ in.) | 1 | Reference only       |
| 18         | 60-0696 | Trim strip                                                | 1 |                      |
| 19         | 60-0697 | Sprag                                                     | 1 |                      |
| 20         | 82-4898 | Buffer                                                    | 2 |                      |
| 21         | 82-8626 | Front hinge                                               | 1 |                      |
| 22         | 82-7862 | Rear hinge                                                | 1 |                      |
| 23         | 82-4898 | Buffer                                                    | 2 |                      |
| 24         | 14-010* | Bolt, hinge                                               | 4 |                      |
| 25         | 60-4250 | Spring washer                                             | 4 |                      |
| 26         | 60-2687 | Check wire                                                | 1 |                      |
| 27         | 60-2381 | Self tapping screw                                        | 1 |                      |
| 28         | 83-2035 | Toolbox                                                   | 1 |                      |
| 29         | 14-0503 | Screw, tool box to battery carrier                        | 1 |                      |
| 30         | 14-0102 | Bolt                                                      | 2 |                      |
| 31         | 14-1301 | Nut                                                       | 3 |                      |
| 32         | 82-9749 | Toolrol strap                                             | 1 |                      |
| 33         | 60-3659 | Cable, clutch cable                                       | 1 |                      |
| 34         | 82-4299 | Washer                                                    | 3 |                      |
| 35         | 60-4151 | Nameplate                                                 | 2 |                      |
| 36         | 82-4129 | Screw                                                     | 4 |                      |
| Not illus, | 82-4717 | Nut                                                       | 4 | Nameplate attachment |
| Not illus, | 60-239* | Washer                                                    | 4 |                      |

### ALTERNATIVE FITMENTS (NOT USA)

|         |                 |                                  |   |
|---------|-----------------|----------------------------------|---|
| 82-9996 | Twin-seat       | } For use with large Petrol tank | 1 |
| 82-9715 | Twin-Seat cover |                                  | 1 |

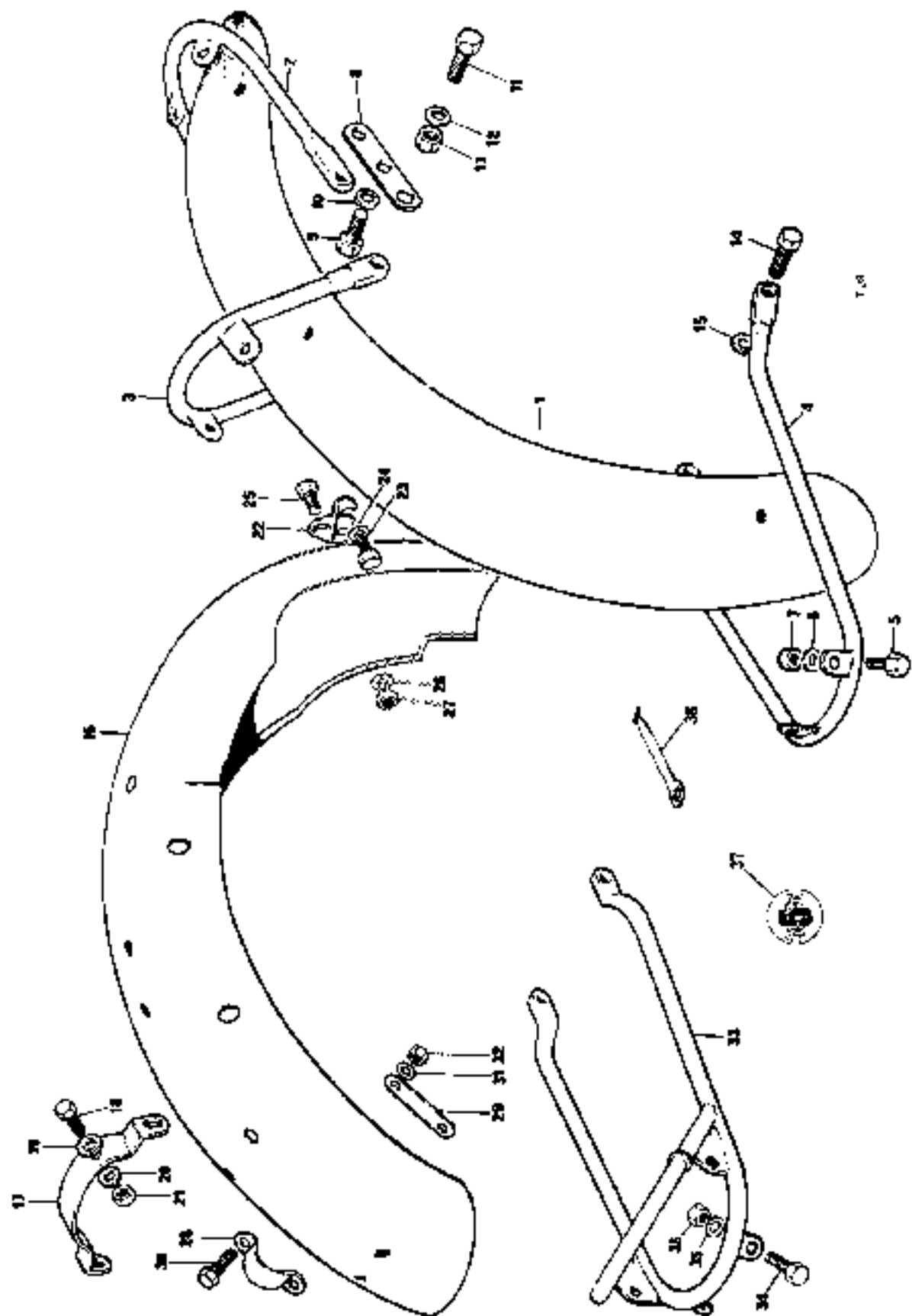


FIG. 28. FENDERS AND STAYS

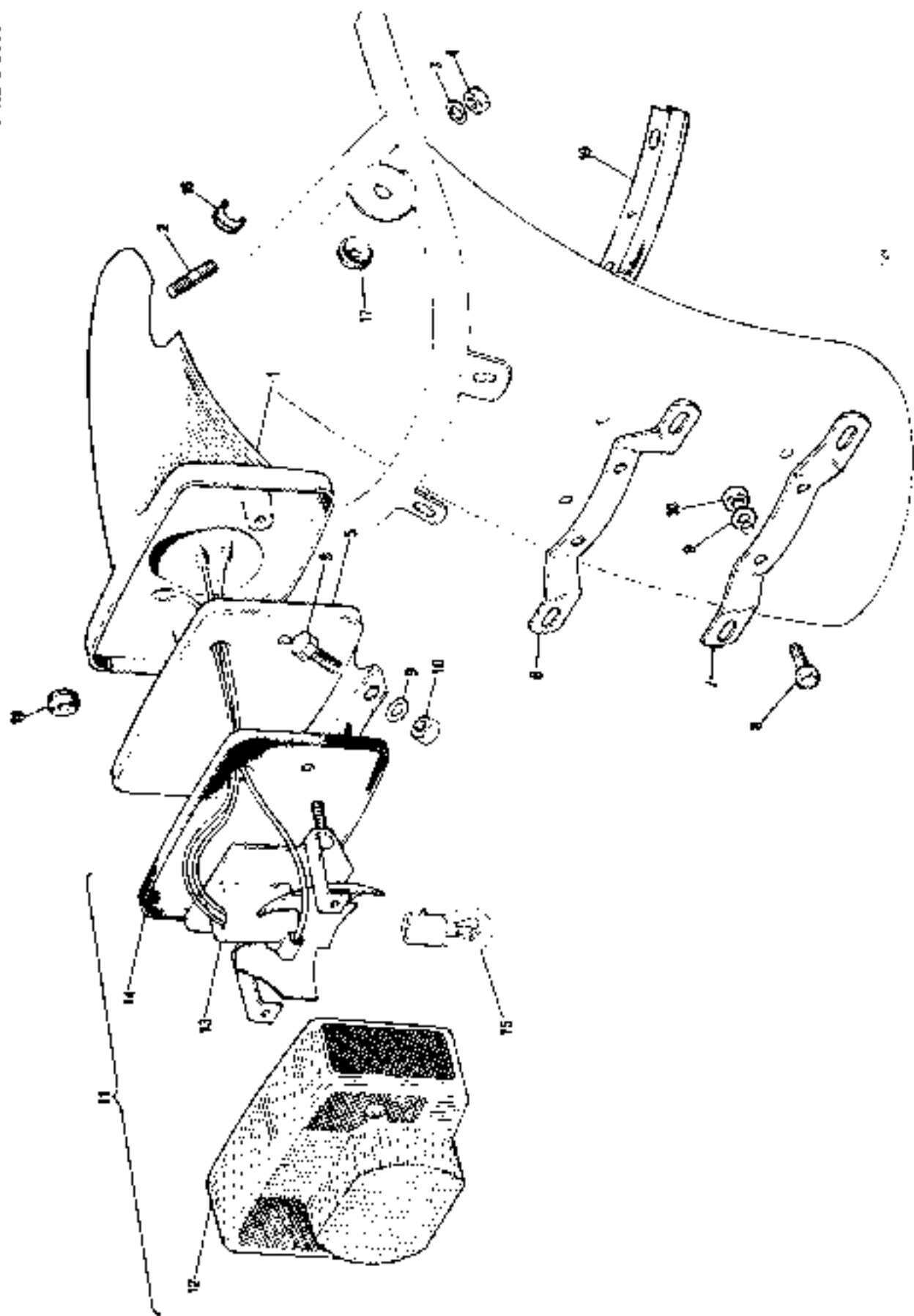
| Ref No. | Part No. | DESCRIPTION | QUANTITY | REMARKS |
|---------|----------|-------------|----------|---------|
|---------|----------|-------------|----------|---------|

### FENDERS AND STAYS

|                    |         |                                                                     |   |                                   |
|--------------------|---------|---------------------------------------------------------------------|---|-----------------------------------|
| 1                  | 97-4439 | Front fender                                                        | 1 |                                   |
| 2                  | 97-4533 | Front stay                                                          | 1 |                                   |
| 3                  | 97-4534 | Centre stay                                                         | 1 |                                   |
| 4                  | 97-4535 | Bottom stay                                                         | 1 |                                   |
| 5                  | 14-0101 | Bolt                                                                | 6 |                                   |
| 6                  | 60-4245 | Washer                                                              | 6 | Stays to fender                   |
| 7                  | 14-1201 | Nut                                                                 | 6 |                                   |
| 8                  | 83-5151 | Bracket                                                             | 1 |                                   |
| 9                  | 14-0103 | Bolt                                                                | 2 | Bracket to fork leg               |
| 10                 | 60-2427 | Washer                                                              | 2 |                                   |
| 11                 | 14-0116 | Bolt                                                                | 2 | Front and centre stays to bracket |
| 12                 | 60-2330 | Washer                                                              | 2 |                                   |
| 13                 | 14-1302 | Nut                                                                 | 2 |                                   |
| 14                 | 14-6114 | Bolt                                                                | 2 | Bottom stay to fork leg           |
| 15                 | 60-2428 | Washer                                                              | 2 |                                   |
| 16                 | 83-4822 | Rear fender                                                         | 1 |                                   |
| 17                 | 82-6915 | Bridge                                                              | 1 |                                   |
| 18                 | 14-0102 | Bolt                                                                | 2 | Bridge to fender                  |
| 19                 | 82-6310 | Washer                                                              | 2 |                                   |
| 20                 | 60-4245 | Washer                                                              | 1 |                                   |
| 21                 | 14-1201 | Nut                                                                 | 2 |                                   |
| 22                 | 82-6851 | Front bracket                                                       | 1 |                                   |
| 23                 | 21-1822 | Bolt                                                                | 2 | Bracket to pivot lug              |
| 24                 | 60-2418 | Washer                                                              | 2 |                                   |
| 25                 | 14-0101 | Bolt                                                                | 1 | Bracket to fender                 |
| 26                 | 82-6310 | Washer                                                              | 1 |                                   |
| 27                 | 14-1201 | Nut                                                                 | 1 |                                   |
| 28                 | 82-5994 | Clip                                                                | 1 |                                   |
| 29                 | 82-6031 | Backing plate                                                       | 1 |                                   |
| 30                 | 21-1822 | Bolt                                                                | 2 |                                   |
| 31                 | 60-4247 | Washer                                                              | 2 | Clip to fender                    |
| 32                 | 14-1302 | Nut                                                                 | 2 |                                   |
| 33                 | 83-5147 | Lifting handle                                                      | 1 |                                   |
| 34                 | 14-0102 | Bolt                                                                | 2 | Lifting handle to fender          |
| 35                 | 60-4245 | Washer                                                              | 2 |                                   |
| 36                 | 14-1301 | Nut                                                                 | 2 |                                   |
| 37                 | 60-3748 | Decal '5 Speed'                                                     | 1 |                                   |
| 38                 | 60-0777 | Cable clip                                                          | 1 |                                   |
| Not illus. 83-5167 |         | Rear Fender, long. (Germany, Sweden, Finland, Switzerland, Denmark) | 1 |                                   |

### ALTERNATIVE FITMENTS (NOT U.S.A.)

|         |                    |   |                              |
|---------|--------------------|---|------------------------------|
| 97-4440 | Front fender       | 1 |                              |
| 83-4823 | Front number plate | 1 |                              |
| 57-1076 | Screw              | 2 | Number plate attachment      |
| 71-2448 | 'O' ring           | 2 |                              |
| 60-4249 | Washer             | 2 |                              |
| 83-2726 | Rear number plate  | 1 |                              |
| 14-0101 | Screw              | 4 | Rear number plate attachment |
| 60-2329 | Washer             | 4 |                              |
| 14-0301 | Nut                | 4 |                              |



**Fig. 27. TAIL LAMP AND SUPPORT**

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

### TAIL LAMP AND SUPPORT

|    |          |                                       |   |                |
|----|----------|---------------------------------------|---|----------------|
| 1  | 83-4774  | Tail lamp support                     | 1 |                |
| 2  | 21-2225  | Stud                                  | 1 |                |
| 3  | 60-4250  | Washer                                | 1 |                |
| 4  | 14-0301  | Nut                                   | 1 |                |
| 5  | 83-5001  | Support plate                         | 1 |                |
| 6  | 83-4784  | Rear number plate bracket—top         | 1 |                |
| 7  | 82-6850  | Rear number plate bracket—bottom      | 1 |                |
| 8  | 14-0102  | Bolt                                  | 4 |                |
| 9  | 60-2329  | Washer                                | 4 |                |
| 10 | 14-1301  | Nut                                   | 4 |                |
| 11 | 56513    | STOP-TAIL LAMP—L917 (99-1252)         | 1 |                |
| 12 | 545B4930 | Lens (complete with screws) (99-1257) | 1 |                |
| 13 | 545B4931 | Base assembly                         |   | Reference only |
| 14 | 545B3914 | Gasket                                |   | Reference only |
| 15 | 380      | Bulb (99-0542)                        | 1 |                |
| 16 | 83-5105  | Grommet Tail Lamp Support             | 2 |                |
| 17 | 60-4103  | Grommet—Flasher wire                  | 1 |                |
| 18 | 97-0961  | Grommet—Tail Lamp Wires               | 4 |                |
| 19 | 83-4806  | Cable protection strip—Rear Lamp      | 1 |                |

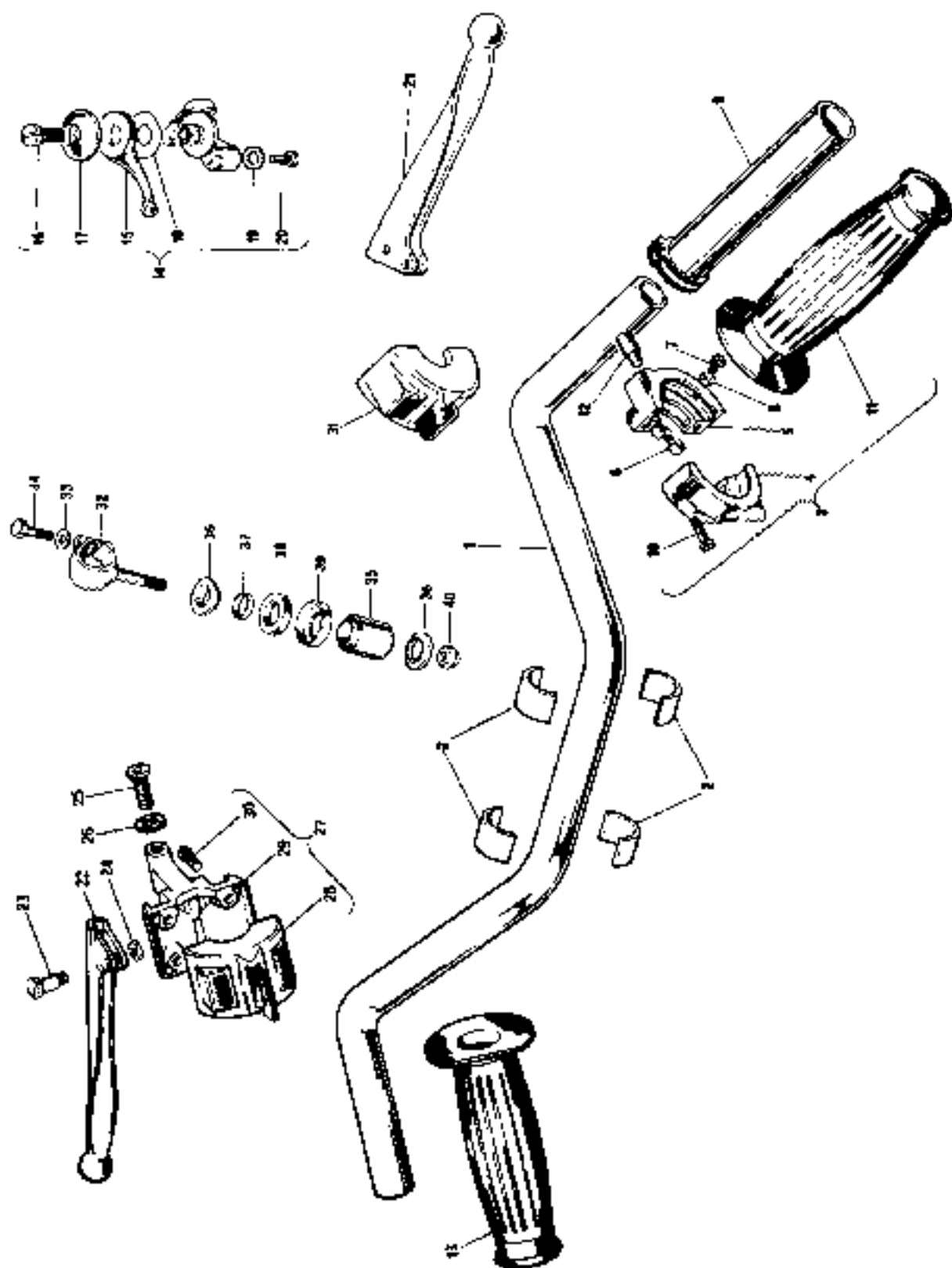


Fig. 30. HANDLEBAR AND CONTROL LEVERS

### HANDLEBAR AND CONTROL LEVERS

|    |          |                                      |                |  |
|----|----------|--------------------------------------|----------------|--|
| 1  | 97-4563  | Handlebar (high)                     | 1              |  |
| 1  | 97-4300  | Handlebar (low)                      | Alternative    |  |
| 2  | 97-1425  | Packing piece                        | 4              |  |
| 3  | 364-11   | TWISTGRIP (99-1102)                  | 1              |  |
| 4  | 364-013  | Body, top half                       | Reference only |  |
| 5  | 364-014  | BODY, BOTTOM HALF                    | Reference only |  |
| 6  | 16-008   | Friction spring                      | Reference only |  |
| 7  | 16-009   | Screw                                | Reference only |  |
| 8  | 16-010   | Locknut                              | Reference only |  |
| 9  | 364-017  | Rotor                                | Reference only |  |
| 10 | 11-013   | Screw (99-0225)                      | 2              |  |
| 11 | 97-2125  | Grip                                 | 1              |  |
| 12 | 16-011   | Cable stop                           | Reference only |  |
| 13 | 97-2412  | Grip—L.H.                            | 1              |  |
| 14 | 60-3567  | AIR CONTROL LEVER                    | 1              |  |
| 15 | 12-556   | Lever                                | Reference only |  |
| 16 | 12-607   | Bolt                                 | Reference only |  |
| 17 | 12-606   | Cap                                  | Reference only |  |
| 18 | 12-033   | Spring washer                        | Reference only |  |
| 19 | 60-4756  | Shakeproof washer                    | 2              |  |
| 20 | 60-3896  | Screw                                | 2              |  |
| 21 | *97-4391 | Front brake lever                    | Reference only |  |
| 22 | 60-3981  | Clutch lever                         | 1              |  |
| 23 | 21-2048  | Pivot pin                            | 2              |  |
| 24 | 14-1201  | Nut                                  | 2              |  |
| 25 | 60-3585  | Adjuster                             | 2              |  |
| 26 | 60-3586  | Lockring                             | 2              |  |
| 27 | 30597    | HANDLEBAR SWITCH—L.H. (19-1370)      | 1              |  |
| 28 | 39951    | Switch half (19-1371)                | 1              |  |
| 29 | 54343791 | Lever half (19-1372)                 | 1              |  |
| 30 | 54115246 | Screw (99-1108)                      | 4              |  |
| 31 | 39949    | Handlebar switch half—R.H. (19-1373) | 1              |  |
| 32 | 97-2291  | Handlebar eyebolt                    | 2              |  |
| 33 | 82-1335  | Washer                               | 2              |  |
| 34 | 21-0589  | Bolt                                 | 2              |  |
| 35 | 97-1527  | Metastatic bush                      | 2              |  |
| 36 | 97-1529  | Hemisphere call washer               | 4              |  |
| 37 | 97-1581  | Distance piece                       | 2              |  |
| 38 | 97-1580  | Rubber washer                        | 2              |  |
| 39 | 97-2221  | Cup                                  | 2              |  |
| 40 | 14-1303  | Nut                                  | 2              |  |

\*Front brake and master cylinder detail are shown on page 49.

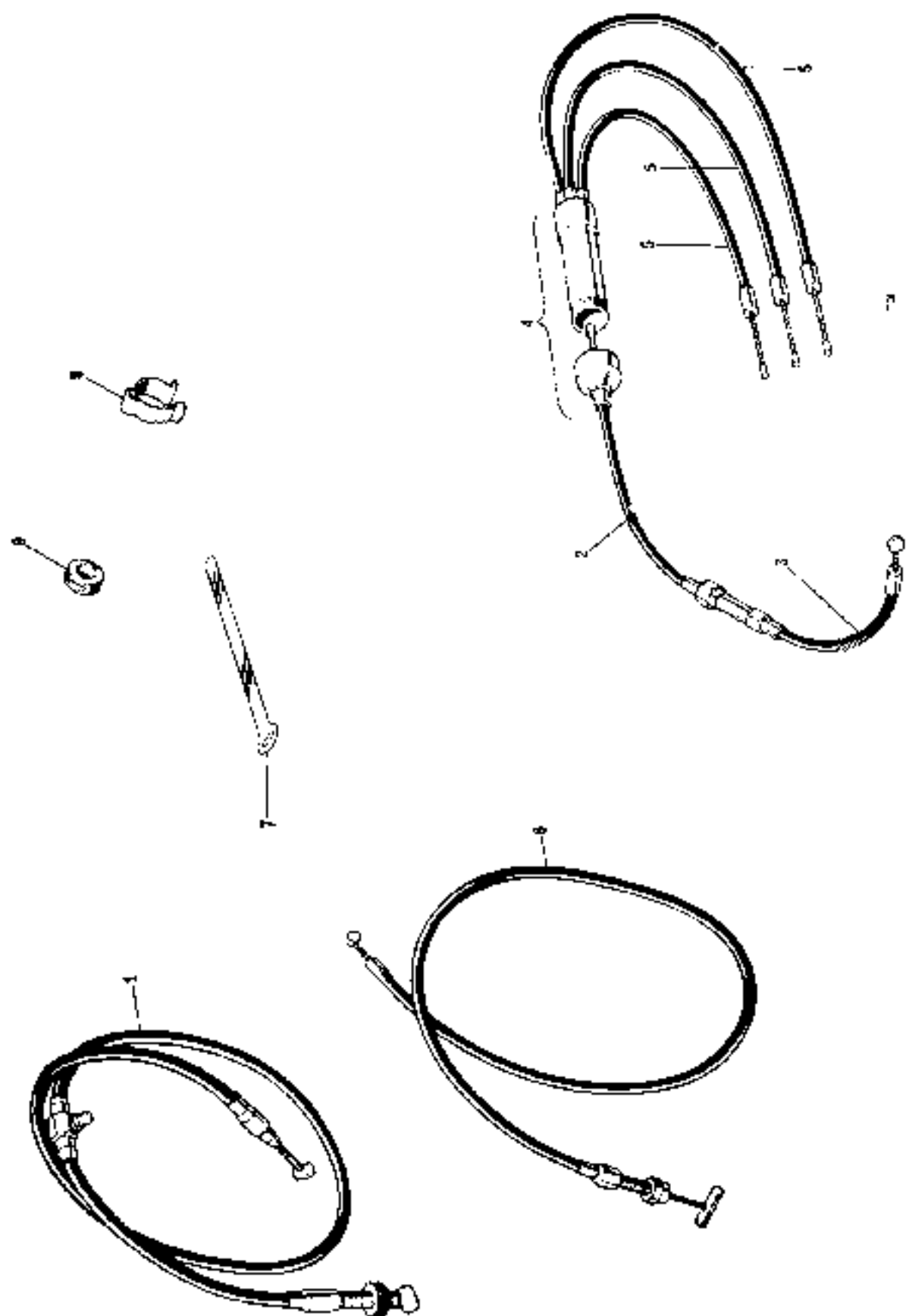


Fig. 31. CONTROL CABLES

| Ref No.               | Part No. | DESCRIPTION                        | QUANTITY | REMARKS |
|-----------------------|----------|------------------------------------|----------|---------|
| <b>CONTROL CABLES</b> |          |                                    |          |         |
| 1                     | 60-2445  | Clutch cable                       | 1        |         |
| 2                     | 60-3565  | CHOKE CABLE ASSEMBLY               | 1        |         |
| 3                     | 60-3566  | Cable, lever to junction box       | 1        |         |
| 4                     | 60-1978  | Junction box (244, 2080)           | 1        |         |
| 5                     | 60-2061  | Cable, junction box to carburettor | 3        |         |
| 6                     | 60-0899  | Throttle cable                     | 1        |         |
| 7                     | 60-4251  | Cable clip                         | 9        |         |
| 8                     | 97-4112  | Cable clip (at handlebar)          | 4        |         |
| 9                     | 02-6784  | GROMMET—THROTTLE CABLE             | 1        |         |

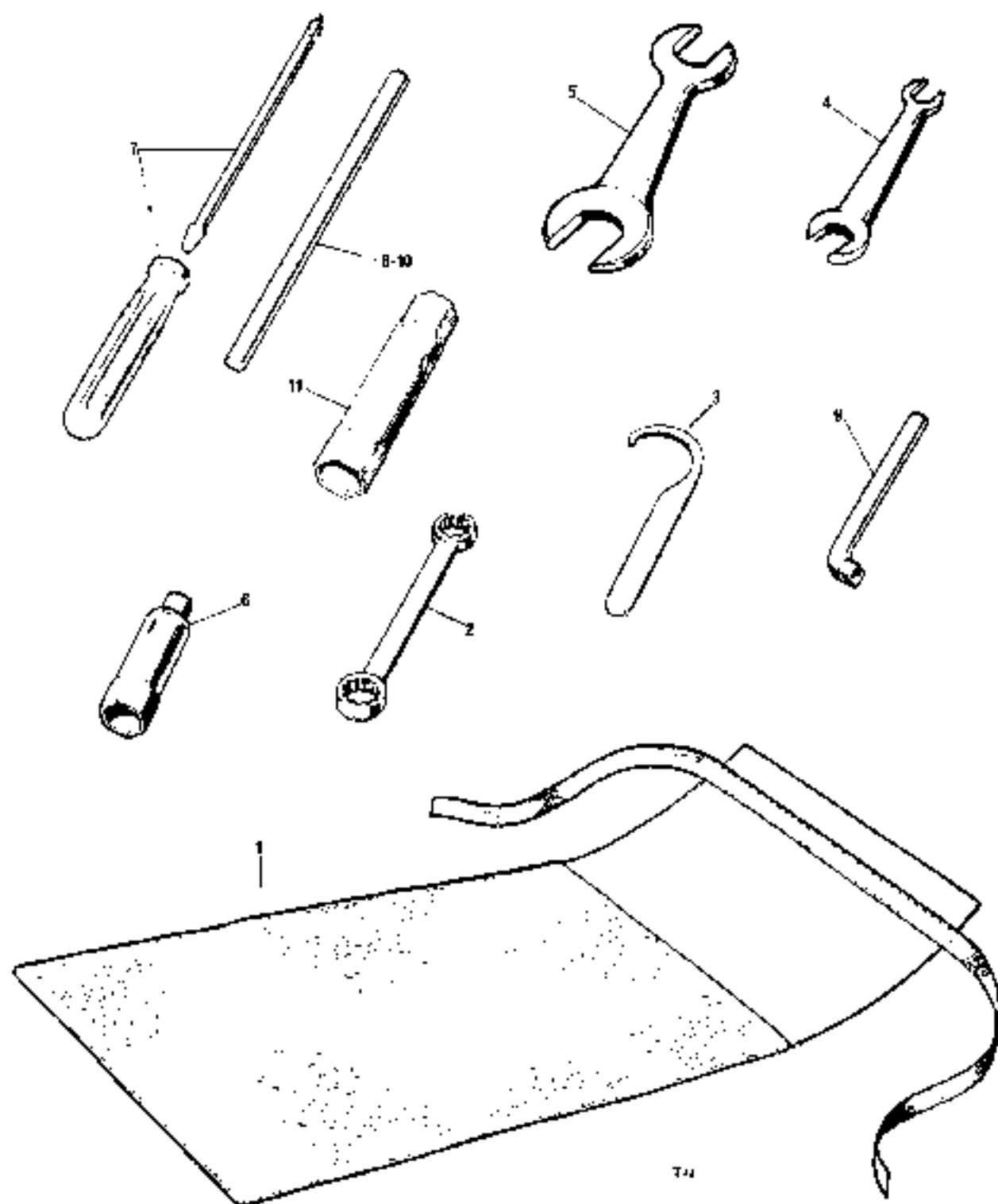


Fig. 12. TOOLKIT

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

### TOOLKIT

|            |         |                                                             |     |     |     |     |     |           |  |
|------------|---------|-------------------------------------------------------------|-----|-----|-----|-----|-----|-----------|--|
| —          | 60-3351 | TOOLKIT COMPLETE                                            | ... | ... | ... | ... | ... | 1         |  |
| 1          | 60-0291 | Tool roll                                                   | ... | ... | ... | ... | ... | 1         |  |
| 2          | 60-1907 | Ring spanner                                                | ... | ... | ... | ... | ... | 1         |  |
| 3          | 60-2184 | "C" spanner                                                 | ... | ... | ... | ... | ... | 1         |  |
| 4          | 60-3350 | Open ended spanner                                          | ... | ... | ... | ... | ... | 1         |  |
| 5          | 60-4523 | Open ended spanner                                          | ... | ... | ... | ... | ... | 1         |  |
| 6          | 60-1910 | Plug spanner                                                | ... | ... | ... | ... | ... | 1         |  |
| 7          | 60-0767 | Screw driver complete                                       | ... | ... | ... | ... | ... | 1         |  |
| 8          | 60-1911 | Tommy bar                                                   | ... | ... | ... | ... | ... | 1         |  |
| 9          | 60-2020 | Tappet spanner                                              | ... | ... | ... | ... | ... | 1         |  |
| Not illus. | 60-2599 | Licence holder                                              | ... | ... | ... | ... | ... | Available |  |
| 10         | 60-3711 | Tommy bar $\frac{1}{4}$ in. diam.                           | ... | ... | ... | ... | ... | 1         |  |
| 11         | 60-1909 | Box spanner $\frac{1}{4}$ in. A.F. x $\frac{1}{2}$ in. A.F. | ... | ... | ... | ... | ... | 1         |  |

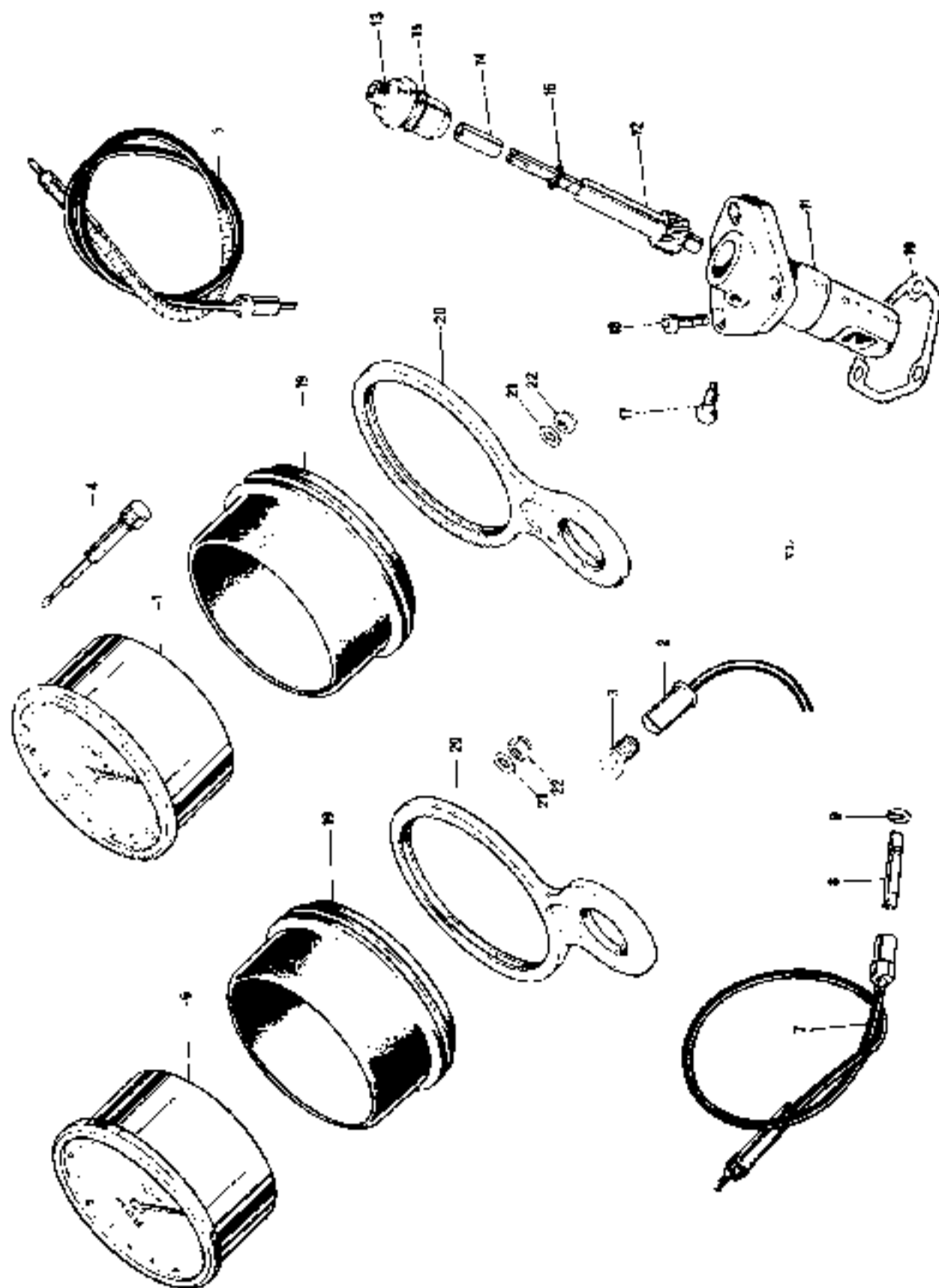


Fig. 31. SPEEDOMETER AND TACHOMETER

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

### SPEEDOMETER AND TACHOMETER

|    |               |                                      |   |                |
|----|---------------|--------------------------------------|---|----------------|
| 1  | 60-2394       | Speedometer head MPH (SSM 5007'00))  | 1 |                |
| 1  | 60-2395       | Speedometer head Km/hr (SSM 5007'01) | 1 | Available      |
| 2  | 51271406      | Bulbholder                           | 1 | Reference only |
| 3  | 504           | Bulb                                 | 1 | Reference only |
| 4  | 41-148-203-10 | Trip control (99-0176)               | 1 |                |
| 5  | 60-3376       | Speedometer cable                    | 1 |                |
| 6  | 60-2396       | Tachometer head (RSM 3003 13)        | 1 |                |
| 7  | 60-0578       | Tachometer cable                     | 1 |                |
| 8  | 31-371-398    | Spade (99-0173)                      | 1 |                |
| 9  | 60-0494       | Circlip                              | 1 |                |
| 10 | 71-1419       | Joint washer, tacho drive            | 1 |                |
| 11 | 70-8740       | Housing tacho driven gear            | 1 |                |
| 12 | 70-8741       | Driven gear                          | 1 |                |
| 13 | 70-8742       | Tacho bearing housing                | 1 |                |
| 14 | 70-6124       | Bush                                 | 1 |                |
| 15 | 70-3309       | 'O' ring                             | 1 |                |
| 16 | 70-6259       | 'O' ring, driven gear                | 1 |                |
| 17 | 70-8744       | Locating screw                       | 1 |                |
| 18 | 14-6605       | Screw, housing to case               | 3 |                |
| 19 | 60-2600       | Rubber cup                           | 2 |                |
| 20 | 97-4026       | Bracket                              | 2 |                |
| 21 | 60-2391       | Washer                               | 4 |                |
| 22 | 21-0776       | Nut                                  | 4 |                |

Speedo and Tacho mounting

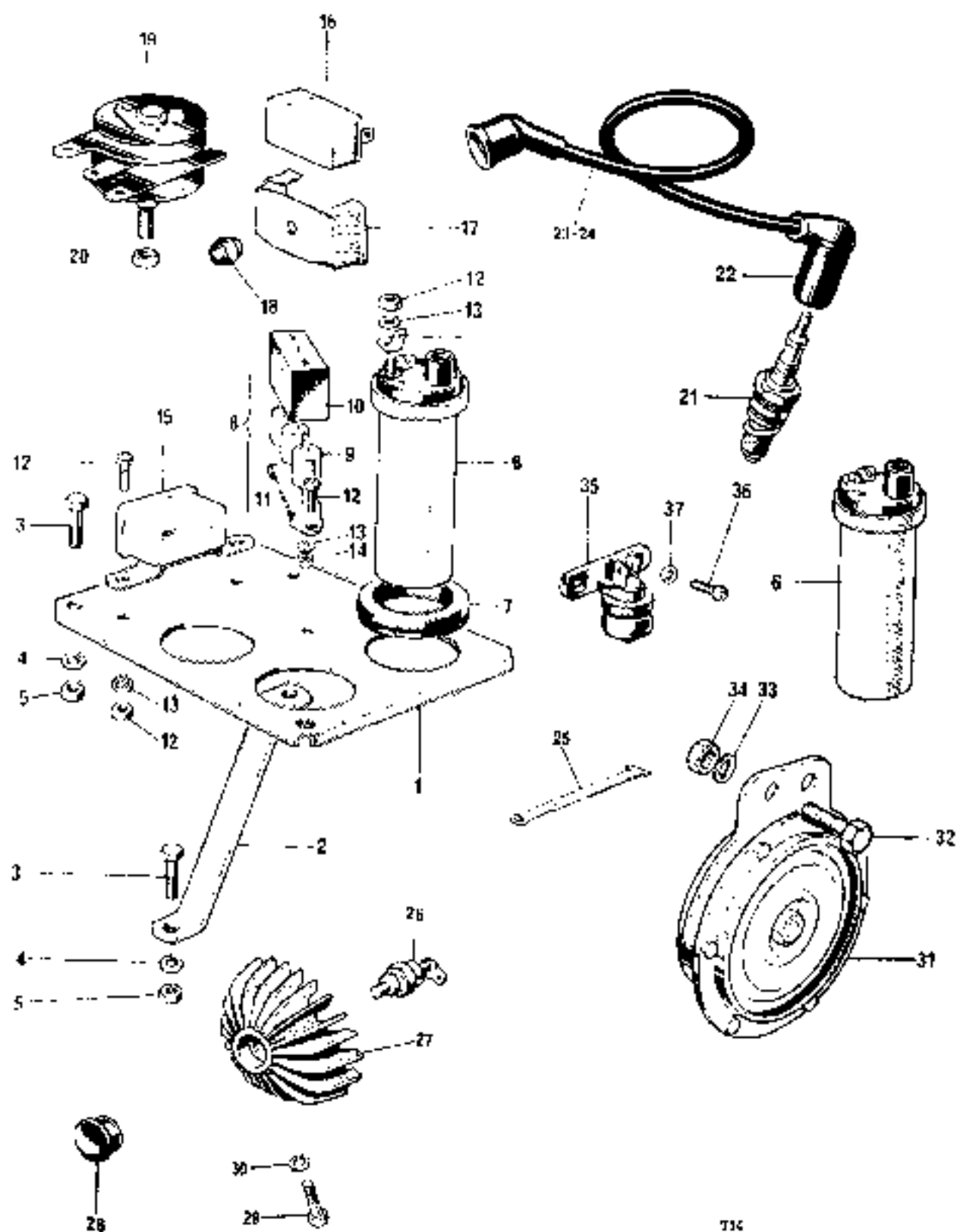


Fig. 34. IGNITION COILS, HORNS, RECTIFIER AND ZENER DIODE

### IGNITION COILS, HORNS, RECTIFIER ZENER DIODE

|            |          |                                                                |   |                      |
|------------|----------|----------------------------------------------------------------|---|----------------------|
| 1          | 83-3230  | Electrical platform                                            | 1 |                      |
| 2          | 82-9565  | Platform stay                                                  | 1 |                      |
| 3          | 14-0102  | Bolt                                                           | 4 |                      |
| 4          | 60-2329  | Washer                                                         | 4 |                      |
| 5          | 14-1301  | Nut                                                            | 4 |                      |
| 6          | 60-2203  | Ignition coil—17m 12 (45223)                                   | 3 |                      |
| 7          | 82-9561  | Coll grommet                                                   | 3 |                      |
| 8          | 47637    | CAPACITOR PACK—2CP (60-1935)                                   |   | Reference only       |
| 9          | 54420128 | Capacitor (99-1043)                                            | 3 |                      |
| 10         | 54418528 | Cover (99-0767)                                                | 1 |                      |
| 11         | 54418526 | Base plate (99-1160)                                           | 1 |                      |
| 12         | 21-2079  | Screw                                                          | 5 |                      |
| 13         | 60-2391  | Shakeproof washer                                              | 4 |                      |
| 14         | 21-0778  | Nut                                                            | 4 |                      |
| 15         | 33213    | Horn relay 6RA (99-1227)                                       | 1 |                      |
| 16         | 35048    | Flasher unit—BFL (99-1201)                                     | 1 |                      |
| 17         | 54385091 | Clip, flasher unit (60-3521)                                   | 1 |                      |
| 18         | 83-2569  | Grommet, flasher unit                                          | 1 |                      |
| 19         | 59-0589  | RECTIFIER (49072)                                              | 1 |                      |
| 20         | 82-5338  | Nut (56596)                                                    | 1 |                      |
| 21         | N3       | Spark plug (60-0911)                                           |   | Reference only       |
| 22         | 60-3043  | Plug cover (VVC200)                                            | 3 |                      |
| 23         | 60-3923  | High-tension cable (non-resistive)                             | 3 |                      |
| 24         | 60-3924  | High-tension cable (resistive), NOT U.S.A.                     | 3 |                      |
| 25         | 60-0777  | Harness cable clip                                             | 1 |                      |
| 26         | 49345    | Zener diode (99-0590)                                          | 1 |                      |
| 27         | 97-2237  | Heat sink                                                      | 1 |                      |
| 28         | 97-2275  | Plug, heat sink                                                | 1 |                      |
| 29         | 14-6104  | Bolt                                                           | 1 | Bracket to heat sink |
| 30         | 70-1612  | Washer                                                         | 1 |                      |
| 31         | 60-2623  | Horn (Clearhooter HF80—low note)                               | 1 |                      |
| 31         | 60-2624  | Horn (Clearhooter HF80—high note)                              | 1 |                      |
| 32         | 14-0103  | Bolt                                                           | 2 | Horn mounting        |
| 33         | 60-4245  | Washer                                                         | 4 |                      |
| 34         | 14-1201  | Nut                                                            | 4 |                      |
| 35         | 34815    | Stoplamp switch 1185A (99-1028)                                | 1 |                      |
| 36         | 83-0033  | Screw                                                          | 2 |                      |
| 37         | 70-2351  | Washer                                                         | 2 |                      |
| Not illus. | 60-3891  | Spark plug cap (France, Sweden, Switzerland and Denmark only)  | 3 |                      |
| Not illus. | 60-3892  | Flexible sleeve (France, Sweden, Switzerland and Denmark only) | 3 |                      |
| Not illus. | 60-3893  | Ignition lead (France, Sweden, Switzerland and Denmark only)   | 3 |                      |

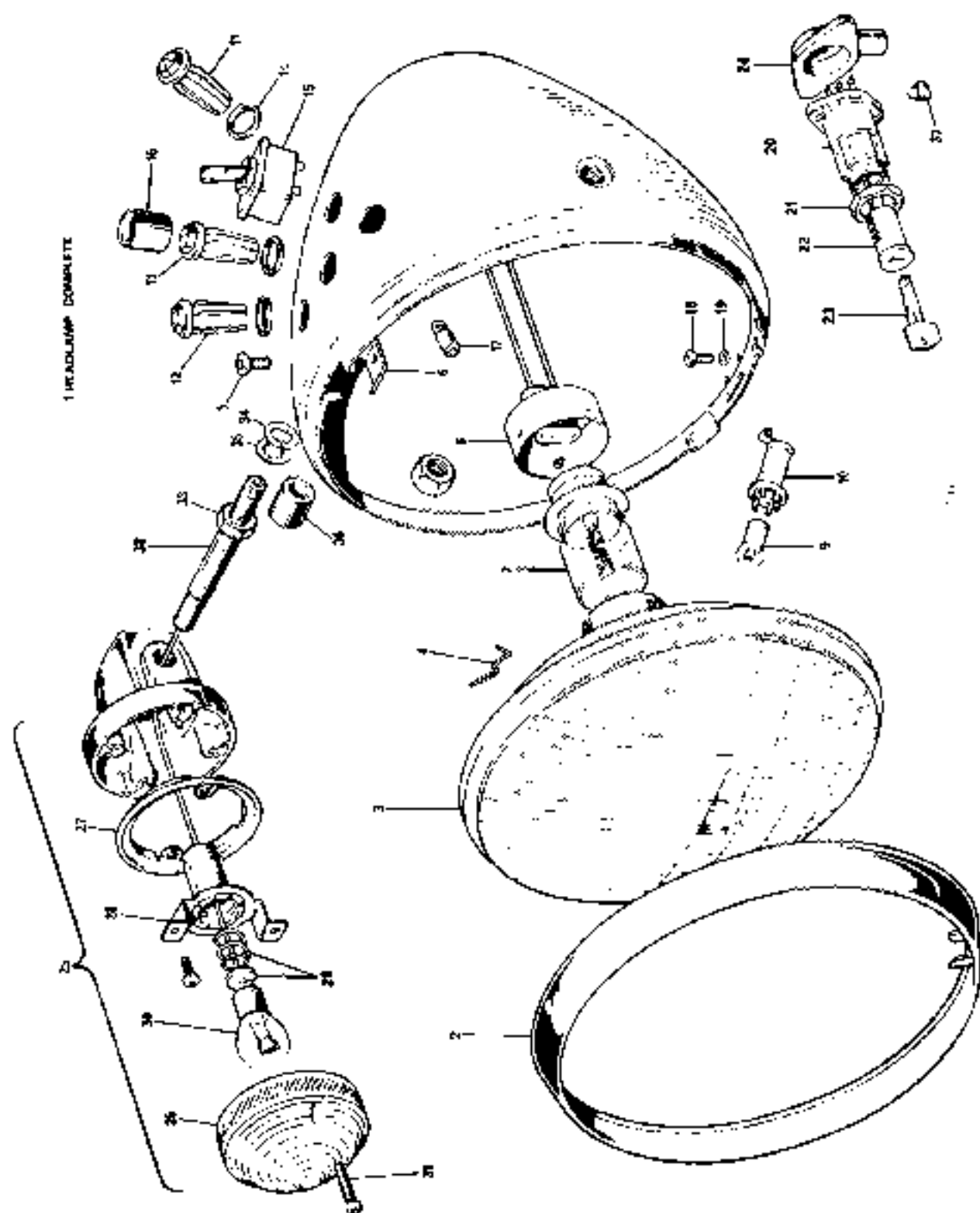


Fig. 35. HEADLAMP AND FLASHER LAMPS

# **HEADLAMP AND FLASHER LAMPS**

|            |          |                                              |   |                |
|------------|----------|----------------------------------------------|---|----------------|
| 1          | 60512    | HEADLAMP COMPLETE SS 700 P.(99-1267)         | 1 |                |
| 2          | 553248   | Rim (99-0692)                                | 1 |                |
| 3          | 54525272 | Light unit (99-1213)                         | 1 |                |
| 4          | 504665   | Flxing wire (99-0683)                        | 6 |                |
| 5          | 144921   | Screw                                        |   | Reference only |
| 3          | 534296   | Plate                                        |   | Reference only |
| 7          | 370      | Main bulb (45/35W) (99-1214)                 | 1 |                |
| Not illus. | 60-3671  | Bulb, yel ow (France only)...                | 1 |                |
| 8          | 554602   | Bulbholder                                   |   | Reference only |
| 9          | 989      | Pilot bulb (99-0548)                         | 1 |                |
| 10         | 54573590 | Pilot bulbholder (99-1213)                   | 1 |                |
| 11         | 54363454 | Warning light (Red) (99-1208)                | 1 |                |
| 12         | 54363455 | Warning light (Green) (99-1209)              | 1 |                |
| 13         | 54363453 | Warning light (Amber) (99-1207)              | 1 |                |
| 14         | 54140331 | Sealing washer (99-1210)                     | 3 |                |
| 15         | 35710    | Light switch (99-0563)                       | 1 |                |
| 16         | 54525212 | Shield, warning light                        |   | Reference only |
| 17         | 281      | Bulb, warning light (99-0537)                | 3 |                |
| 18         | 54115106 | Screw, (99-1223)                             | 2 |                |
| 19         | 143086   | Washer, (99-1224)                            | 2 |                |
| Not illus. | 54961595 | Wiring harness (99-1260)                     | 1 |                |
| 20         | 31899    | IGNITION SWITCH (99-0558)                    | 1 |                |
| 21         | 54130041 | Nut                                          |   | Reference only |
| 22         | 82-6981  | IGNITION LOCK C/W KEY                        | 1 |                |
| 23         | 60-0622  | Key (state serial number)                    |   | As required    |
| 24         | 97-2262  | Cover, ignition switch                       | 1 |                |
| 25         | 54057476 | FLASHER LAMP (FRONT) C/W stanchion (60-4104) | 2 |                |
| 25         | 54057543 | FLASHER LAMP (REAR) C/W stanchion (60-4105)  | 2 |                |
| 26         | 54581638 | Lens (99-1191)                               | 1 |                |
| 27         | 54580300 | Gasket                                       |   | Reference only |
| 28         | 554548   | Bulbholder                                   |   | Reference only |
| 29         | 573832   | Interior assembly                            |   | Reference only |
| 30         | 382      | Bulb (99-1192)                               | 1 |                |
| 31         | 54123401 | Screw (99-1193)                              | 2 |                |
| 32         | 60600313 | Stanchion, flasher lamp, front, (19-1368)    | 2 |                |
| 32         | 60600312 | Stanchion, flasher lamp, rear (19-1369)      | 2 |                |
| 33         | 14-0404  | Nut-stanchion to bracket                     | 4 |                |
| 34         | 60-2332  | Washer                                       | 4 |                |
| 35         | 37-2331  | Washer, shakeproof                           | 4 |                |
| 36         | 97-4125  | Distance piece—headlamp bolt                 | 2 |                |
| 37         | 82-7994  | Grommet plug                                 | 1 |                |
| Not illus. | 60-3544  | Flasher lens, white (Italy only)             | 4 |                |

# STANDARD HARDWARE SPECIFICATION BOLTS

| Part No. | Material | Thd. dia.           | Length under head | Min. length of thread | Hexagon A.F. |
|----------|----------|---------------------|-------------------|-----------------------|--------------|
| 21-1822  | Steel    | $\frac{1}{8}$ " UNF | $\frac{1}{2}$ "   | $\frac{23}{64}$ "     | 0.500"       |
| 21-1910  | "        | $\frac{1}{8}$ " UNF | $\frac{1}{2}$ "   | $\frac{13}{64}$ "     | 0.565"       |
| 21-1919  | "        | $\frac{1}{8}$ " UNC | $\frac{1}{2}$ "   | $\frac{7}{16}$ "      | 0.500"       |
| 21-2010  | "        | $\frac{1}{8}$ " UNF | $\frac{1}{2}$ "   | $\frac{1}{2}$ "       | 0.375"       |
| 14-0101  | "        | $\frac{1}{8}$ " UNF | $\frac{1}{2}$ "   |                       | 0.438"       |
| 14-0102  | "        | $\frac{1}{8}$ " UNF | $\frac{3}{4}$ "   |                       | 0.438"       |
| 14-0103  | "        | $\frac{1}{8}$ " UNF | $\frac{3}{4}$ "   |                       | 0.438"       |
| 14-0105  | "        | $\frac{1}{8}$ " UNF | 1"                |                       | 0.438"       |
| 14-0113  | "        | $\frac{1}{8}$ " UNF | $\frac{1}{2}$ "   |                       | 0.500"       |
| 14-0114  | "        | $\frac{1}{8}$ " UNF | $\frac{3}{4}$ "   |                       | 0.500"       |
| 14-0115  | "        | $\frac{1}{8}$ " UNF | $\frac{3}{4}$ "   |                       | 0.500"       |
| 14-0116  | "        | $\frac{1}{8}$ " UNF | 1"                |                       | 0.500"       |
| 14-0126  | "        | $\frac{1}{4}$ " UNF | $\frac{3}{4}$ "   |                       | 0.563"       |
| 14-0128  | "        | $\frac{3}{8}$ " UNF | 1"                |                       | 0.563"       |
| 14-0132  | "        | $\frac{1}{4}$ " UN  | $\frac{3}{4}$ "   |                       | 0.625"       |
| 14-0201  | "        | $\frac{1}{2}$ " UNF | 1"                | $\frac{1}{2}$ "       | 0.438"       |
| 14-0202  | "        | $\frac{1}{2}$ " UNF | $1\frac{1}{2}$ "  | $\frac{1}{2}$ "       | 0.438"       |
| 14-0205  | "        | $\frac{1}{2}$ " UNF | $1\frac{1}{2}$ "  | $\frac{3}{4}$ "       | 0.438"       |
| 14-0208  | "        | $\frac{1}{2}$ " UNF | 2 $\frac{1}{4}$ " | $\frac{3}{4}$ "       | 0.438"       |
| 14-0216  | "        | $\frac{3}{8}$ " UNF | $1\frac{1}{2}$ "  | $\frac{3}{4}$ "       | 0.500"       |
| 14-0217  | "        | $\frac{3}{8}$ " UNF | $1\frac{1}{2}$ "  | $\frac{3}{4}$ "       | 0.500"       |
| 14-0219  | "        | $\frac{3}{8}$ " UNF | $1\frac{1}{2}$ "  | $\frac{3}{4}$ "       | 0.500"       |
| 14-0220  | "        | $\frac{3}{8}$ " UNF | $1\frac{3}{4}$ "  | $\frac{3}{4}$ "       | 0.500"       |
| 14-0221  | "        | $\frac{3}{8}$ " UNF | 2"                | $\frac{3}{4}$ "       | 0.500"       |
| 14-0222  | "        | $\frac{1}{2}$ " UNF | 2 $\frac{1}{4}$ " | $\frac{3}{4}$ "       | 0.500"       |
| 14-0225  | "        | $\frac{1}{2}$ " UNF | 3"                | $\frac{3}{4}$ "       | 0.500"       |
| 14-0228  | "        | $\frac{1}{2}$ " UNF | 4"                | $\frac{3}{4}$ "       | 0.500"       |
| 14-0234  | "        | $\frac{3}{4}$ " UNF | $1\frac{1}{2}$ "  | 1"                    | 0.563"       |
| 14-0235  | "        | $\frac{3}{4}$ " UNF | 2"                | 1"                    | 0.563"       |
| 14-0236  | "        | $\frac{3}{4}$ " UNF | 2 $\frac{1}{4}$ " | 1"                    | 0.563"       |
| 14-0237  | "        | $\frac{3}{4}$ " UNF | 2 $\frac{1}{4}$ " | 1"                    | 0.563"       |
| 14-0239  | "        | $\frac{3}{4}$ " UNF | 3"                | 1"                    | 0.563"       |
| 14-0241  | "        | $\frac{3}{4}$ " UNF | 3 $\frac{1}{2}$ " | 1"                    | 0.563"       |
| 14-0242  | "        | $\frac{3}{4}$ " UNF | 4"                | 1"                    | 0.563"       |
| 14-0251  | "        | $\frac{1}{2}$ " UNF | 2 $\frac{3}{4}$ " | $1\frac{1}{4}$ "      | 0.625"       |
| 14-6101  | "        | $\frac{1}{4}$ " UNC | $\frac{1}{2}$ "   |                       | 0.438"       |
| 14-6102  | "        | $\frac{1}{4}$ " UNC | $\frac{1}{2}$ "   |                       | 0.438"       |
| 14-6115  | "        | $\frac{1}{8}$ " UNC | $\frac{3}{4}$ "   |                       | 0.500"       |
| 14-6121  | "        | $\frac{1}{8}$ " UNC | 2 $\frac{1}{4}$ " |                       | 0.500"       |

# NUTS

|         | Material | Thd. dia.             | Hexagon A.F. | Thickness | Remarks   |
|---------|----------|-----------------------|--------------|-----------|-----------|
| 21-0778 | Steel    | No. 10 UNF            | 0.375"       | 0.225"    | Cleaveloc |
| 21-1852 | "        | $\frac{3}{16}$ " UNF  | 0.437"       | 0.330"    | Philidas  |
| 21-1906 | "        | $\frac{1}{4}$ " UNF   | 0.438"       | 0.188"    | Plain     |
| 21-1908 | "        | $\frac{5}{16}$ " UNF  | 0.438"       | 0.313"    | Plain     |
| 21-1914 | "        | $\frac{3}{8}$ " UNEF  | 1.125"       | 0.250"    | Plain     |
| 21-2013 | "        | $\frac{1}{2}$ " UNEF  | 1.313"       | 0.313"    | Plain     |
| 21-2014 | "        | $\frac{3}{4}$ " UNEF  | 1.313"       | 0.438"    | Plain     |
| 21-2912 | "        | $\frac{7}{8}$ " UNEF  | 1.313"       | 0.438"    | Plain     |
| 14-0301 | "        | $\frac{1}{8}$ " UNF   | 0.438"       | 0.224"    | Plain     |
| 14-0302 | "        | $\frac{9}{16}$ " UNF  | 0.500"       | 0.271"    | Plain     |
| 14-0303 | "        | $\frac{5}{8}$ " UNF   | 0.563"       | 0.300"    | Plain     |
| 14-0304 | "        | $\frac{11}{16}$ "     | 0.688"       | 0.375"    | Plain     |
| 14-0401 | "        | $\frac{1}{8}$ " UNF   | 0.438"       | 0.161"    | Lock      |
| 14-0402 | "        | $\frac{9}{16}$ " UNF  | 0.500"       | 0.192"    | Lock      |
| 14-0403 | "        | $\frac{5}{8}$ " UNF   | 0.563"       | 0.224"    | Lock      |
| 14-0404 | "        | $\frac{11}{16}$ " UNF | 0.688"       | 0.250"    | Lock      |
| 14-0701 | "        | $\frac{1}{4}$ " UNF   | 0.438"       | 0.203"    | Philidas  |
| 14-0702 | "        | $\frac{5}{16}$ " UNF  | 0.500"       | 0.246"    | Philidas  |
| 14-0703 | "        | $\frac{3}{8}$ " UNF   | 0.563"       | 0.296"    | Philidas  |
| 14-1201 | "        | $\frac{1}{4}$ " UNF   | 0.438"       | 0.285"    | St. Nut   |
| 14-1202 | "        | $\frac{5}{16}$ " UNF  | 0.500"       | 0.335"    | Stiffnut  |
| 14-1301 | "        | $\frac{3}{8}$ " UNF   | 0.438"       | 0.245"    | Stiffnut  |
| 14-1302 | "        | $\frac{5}{16}$ " UNF  | 0.500"       | 0.290"    | Stiffnut  |
| 14-1303 | "        | $\frac{3}{4}$ " UNF   | 0.563"       | 0.320"    | Stiffnut  |
| 14-1304 | "        | $\frac{7}{8}$ " UNF   | 0.688"       | 0.375"    | Stiffnut  |
| 14-1305 | "        | $\frac{1}{2}$ " UNF   | 0.750"       | 0.435"    | Stiffnut  |
| 14-1901 | "        | $\frac{1}{4}$ " UNF   | 0.438"       | 0.283"    | Nyloc     |
| 14-1902 | "        | $\frac{5}{16}$ " UNF  | 0.500"       | 0.351"    | Nyloc     |
| 14-1903 | "        | $\frac{3}{8}$ " UNF   | 0.563"       | 0.375"    | Nyloc     |

# SCREWS

| Part No. | Type of head      | Material | Thd. dia.           | Length under head | Type of drive |
|----------|-------------------|----------|---------------------|-------------------|---------------|
| 21-1916  | Cheese head       | Steel    | $\frac{1}{4}$ " UNC | $1\frac{1}{2}$ "  | Cross recess  |
| 21-1917  | Cheese head       | "        | $\frac{1}{4}$ " UNC | $2\frac{1}{2}$ "  | Cross recess  |
| 21-1918  | Cheese head       | "        | $\frac{3}{8}$ " UNC | $2\frac{1}{2}$ "  | Cross recess  |
| 21-1920  | Hex. head         | "        | $\frac{3}{8}$ " UNC | $\frac{3}{4}$ "   | Cross recess  |
| 21-1929  | Countersunk B2°   | "        | $\frac{3}{8}$ " UNC | $1\frac{1}{2}$ "  | Slot          |
| 21-2079  | Cheese head       | "        | No. 10 UNF          | $\frac{1}{2}$ "   | Pozidrive     |
| 14-6504  | Cheese head       | "        | $\frac{1}{4}$ " UNF | $\frac{1}{2}$ "   | Cross recess  |
| 14-6504  | Countersunk (B2°) | "        | $\frac{1}{4}$ " UNC | $2\frac{1}{2}$ "  | Cross recess  |
| 14-6505  | Countersunk (B2°) | "        | $\frac{1}{4}$ " UNC | $\frac{3}{4}$ "   | Cross recess  |
| 14-6606  | Cheese head       | "        | $\frac{1}{4}$ " UNC | $\frac{1}{2}$ "   | Cross recess  |
| 14-6607  | Cheese head       | "        | $\frac{1}{4}$ " UNC | $\frac{3}{4}$ "   | Cross recess  |
| 14-6608  | Cheese head       | "        | $\frac{1}{4}$ " UNC | $1\frac{1}{2}$ "  | Cross recess  |
| 14-6609  | Cheese head       | "        | $\frac{1}{4}$ " UNC | $1\frac{1}{2}$ "  | Cross recess  |
| 14-6610  | Cheese head       | "        | $\frac{1}{4}$ " UNC | $1\frac{1}{2}$ "  | Cross recess  |
| 14-6611  | Cheese head       | "        | $\frac{1}{4}$ " UNC | $1\frac{1}{2}$ "  | Cross recess  |
| 14-6612  | Cheese head       | "        | $\frac{1}{4}$ " UNC | $2\frac{1}{2}$ "  | Cross recess  |
| 14-6613  | Cheese head       | "        | $\frac{1}{2}$ " UNC | $2\frac{1}{2}$ "  | Cross recess  |
| 14-6614  | Cheese head       | "        | $\frac{1}{2}$ " UNC | $2\frac{1}{2}$ "  | Cross recess  |
| 14-6615  | Cheese head       | "        | $\frac{3}{4}$ " UNC | $3\frac{1}{2}$ "  | Cross recess  |
| 14-7004  | Socket head       | "        | $\frac{1}{4}$ " UNC | $\frac{1}{2}$ "   | Hex. socket   |
| 14-7019  | Socket head       | "        | $\frac{3}{16}$ "    | $\frac{3}{8}$ "   | Hex. socket   |
| 14-7024  | Socket head       | "        | $\frac{1}{8}$ "     | $2\frac{1}{2}$ "  | Hex. socket   |

## WASHERS—PLAIN

| Part No. | Material | i/dia. | o/dia. | Thickness |
|----------|----------|--------|--------|-----------|
| 60-4245  | Steel    | 0.273" | 0.563" | 0.048"    |
| 60-4246  | Steel    | 0.398" | 0.750" | 0.063"    |
| 60-4247  | Steel    | 0.336" | 0.625" | 0.063"    |
| 37-2027  | Steel    | 0.531" | 1.031" | 0.091"    |
| 60-4248  | Steel    | 0.266" | 0.469" | 0.064"    |
| 60-4267  | Steel    | 0.453" | 0.750" | 0.064"    |

## WASHERS—SPRING

| Part No. | Material     | i/dia.                     | o/dia.          | o/a height       | Thickness |
|----------|--------------|----------------------------|-----------------|------------------|-----------|
| 60-4259  | Spring Steel | $\frac{1}{8}$ " clearance  | $\frac{1}{8}$ " | $\frac{7}{16}$ " | 0.104"    |
| 60-4250  | Spring Steel | $\frac{1}{4}$ " clearance  | $\frac{1}{2}$ " | $\frac{1}{2}$ "  | 0.064"    |
| 60-3541  | Spring Steel | $\frac{1}{16}$ "           | $\frac{3}{8}$ " | $\frac{7}{16}$ " | 0.040**   |
| 21-0648  | Spring Steel | $\frac{5}{16}$ " clearance | $\frac{1}{2}$ " | $\frac{7}{16}$ " | 0.080"    |

\*\* Double coil.

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