

TRIUMPH

**REPLACEMENT
PARTS CATALOGUE**

**TROPHY
250**

TR 25 W 250c.c.(15cu.ins.)



REPLACEMENT PARTS CATALOGUE

TROPHY 250

TR.25.W.

R. F. Seymour

Motor Cycle & Scooter Engineer

Main Agent B.S.A. & Velocette

HAWTHORNE WORKS, PARK STREET, THAME
Telephone: THAME 277 — OXFORDSHIRE

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

REF. No. SPC6

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TRIUMPH GUARANTEE

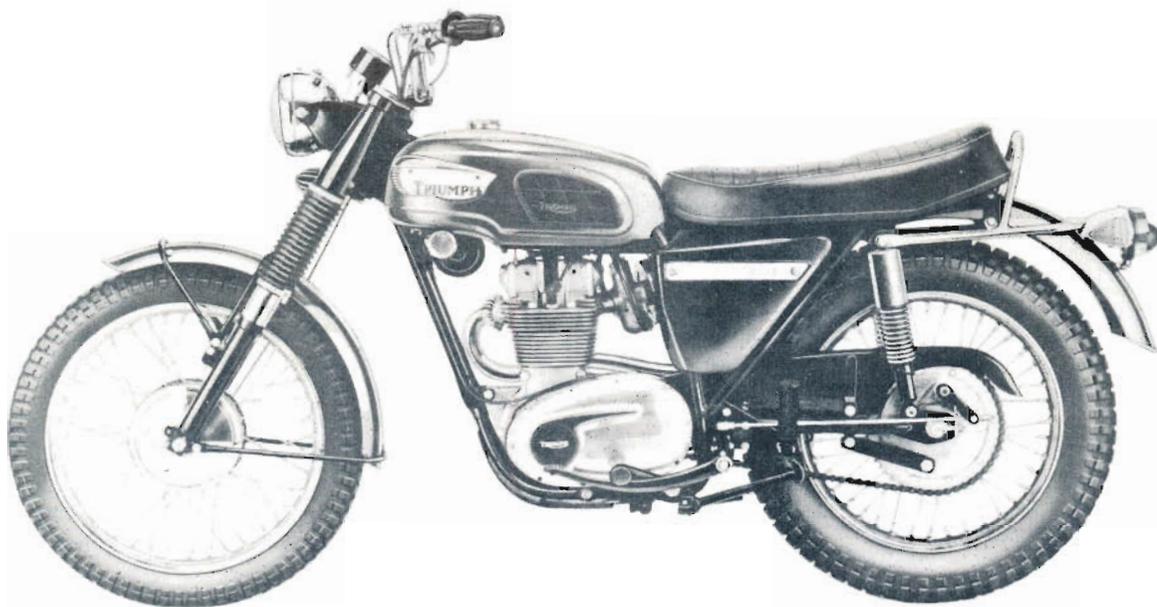
1. In this Guarantee the word "machine" refers to the motor cycle, scooter, motor cycle combination or sidecar as the case may be, purchased by the Purchaser.
2. In order to obtain the benefit of this Guarantee, the Purchaser must have correctly completed the registration form and returned it to us within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

This Guarantee shall not extend to machines whose trade mark, name or manufacturing number has been altered or removed, or in which has been used any part not supplied or approved by us, or to tyres, saddles, chains, speedometers, revolution counters and electrical equipment or to parts supplied to the order of the Purchaser and different from our standard specification.
6. Our liability and that of our dealer who sells the machine, shall be limited to that set out in this guarantee, and not other claims including claims for consequential damage or injury to person or property, shall be admissible. All other conditions and warranties statutory or otherwise and whether express or implied are hereby excluded and no guarantee other than that expressly herein contained applies to the machine to which this Guarantee relates or any accessory or part thereof.
7. We reserve the right to modify or deviate from the Published Specification without notice.

THE FITTING OF ANY COMPONENTS WHICH ARE NOT APPROVED BY THE MANUFACTURER INVALIDATES THE GUARANTEE

REPAIRS GUARANTEE

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



TROPHY 250 TECHNICAL DATA

| | |
|------------------------------------|--|
| Bore and stroke | 67 x 70 mm. |
| Capacity | 249 c.c. |
| Compression ratio | 10:1 |
| Sparking plug | Champion N3 |
| Carburettor | Amal Concentric .928 |
| Choke size | 28 mm. |
| Main jet | 170 |
| Needle jet | .106 |
| Needle | Standard |
| Throttle valve | No. 3 |
| Gearbox sprocket | 15 teeth |
| Final Drive Sprocket | 52 teeth |
| Chains | |
| Front | $\frac{3}{8}$ in. x $\frac{7}{32}$ in. Duplex x 70 links |
| Rear | $\frac{1}{2}$ in. x $\frac{3}{16}$ in. x 100 links |
| Capacities | |
| Fuel tank | 3.916 galls. U.S. |
| Oil tank | 6 pints |
| Gearbox | $\frac{1}{2}$ pint |
| Primary chaincase | $\frac{1}{4}$ pint |
| Front forks (each leg) | $\frac{1}{3}$ pint |
| Brakes | |
| Front and rear diameter | 7 in. x $1\frac{1}{8}$ in. |
| Tyre size | |
| Front | 3.25 x 18 |
| Rear | 4.00 x 18 |

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TRIUMPH SPARES

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

ALWAYS HEAD YOUR ORDER WITH THE ENGINE NUMBER, STAMPED ON THE LEFT SIDE OF THE ENGINE JUST BELOW THE CYLINDER, TOGETHER WITH THE PREFIX LETTERS.

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

Customers are warned against the risk incurred by purchasing parts that are not of genuine Triumph manufacture. This risk is eliminated if parts are ordered as instructed from recognised Dealers.

PROPRIETARY GROUP

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

CARBURETTORS.

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

CHAINS.

Reynold Chains Ltd.,
Wythenshawe,
Manchester.

ELECTRICAL EQUIPMENT.

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

TYRES.

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

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

SPARKING PLUGS.

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

SPEEDOMETERS.

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

SUSPENSION UNITS.

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

HOW TO USE THIS PARTS CATALOGUE

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

Next consult the index on Page 0 for the parts or group of parts which you wish to locate. When you have located the parts make sure from the end columns that the part you have located does apply to your machine.

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

Items marked "reference only" are not available from the factory.

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

| <i>Model</i> | <i>Colour</i> |
|--------------|---------------|
| TR25W | Hi-Fi Scarlet |

N.B. Hi-Fi Scarlet is a flamboyant finish applied over Gold.
Paint is available only in Aerosol containers.

PLEASE NOTE

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

SPECIAL WORKSHOP TOOLS

A COMPLETE LIST OF WORKSHOP TOOLS CAN BE MADE AVAILABLE BY EITHER CONTACTING YOUR DEALER OR APPLYING DIRECT TO THE TRIUMPH SERVICE DEPARTMENT. IN MOST CASES THESE TOOLS ARE VERY COSTLY AS THEY ARE MADE ENTIRELY FOR WORKSHOP USE, AND THEREFORE, IT IS NOT RECOMMENDED THAT THE PRIVATE OWNER PURCHASES THE TOOLS IN ORDER TO AID SERVICING THE MACHINE ONCE OR TWICE ONLY. IN THESE CIRCUMSTANCES IT IS FAR MORE ECONOMICAL TO GET IN TOUCH WITH A RECOGNISED DEALER.

UNIFIED THREAD FORM

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

CARTON PACK LIST

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

PISTON (complete with rings, gudgeon pin and circlips). These are in effect 'carton pack' assemblies.

| | | |
|-------|-----------|--------------------|
| E7998 | 10:1 C.R. | STANDARD SIZE |
| E8272 | 10:1 C.R. | 0.020 in. oversize |
| E8273 | 10:1 C.R. | 0.040 in. oversize |

PISTON RINGS

| | | | |
|-----------------|---|-------|-------------------------|
| CP 211 | 1 | E8276 | Top Compression Ring |
| (Standard size) | 1 | E8282 | Middle Compression Ring |
| | 1 | E8279 | Scraper Ring |

PISTON RINGS

| | | | |
|----------------------|---|-------|-------------------------|
| CP211/20 | 1 | E8277 | Top Compression Ring |
| (0.020 in. oversize) | 1 | E8283 | Middle Compression Ring |
| | 1 | E8280 | Scraper Ring |

PISTON RINGS

| | | | |
|----------------------|---|-------|-------------------------|
| CP211/40 | 1 | E8278 | Top Compression Ring |
| (0.040 in. oversize) | 1 | E8284 | Middle Compression Ring |
| | 1 | E8281 | Scraper Ring |

| | |
|---------------------|---------|
| OVERHAUL GASKET SET | 99-0031 |
| DECOKE GASKET SET | 99-0040 |

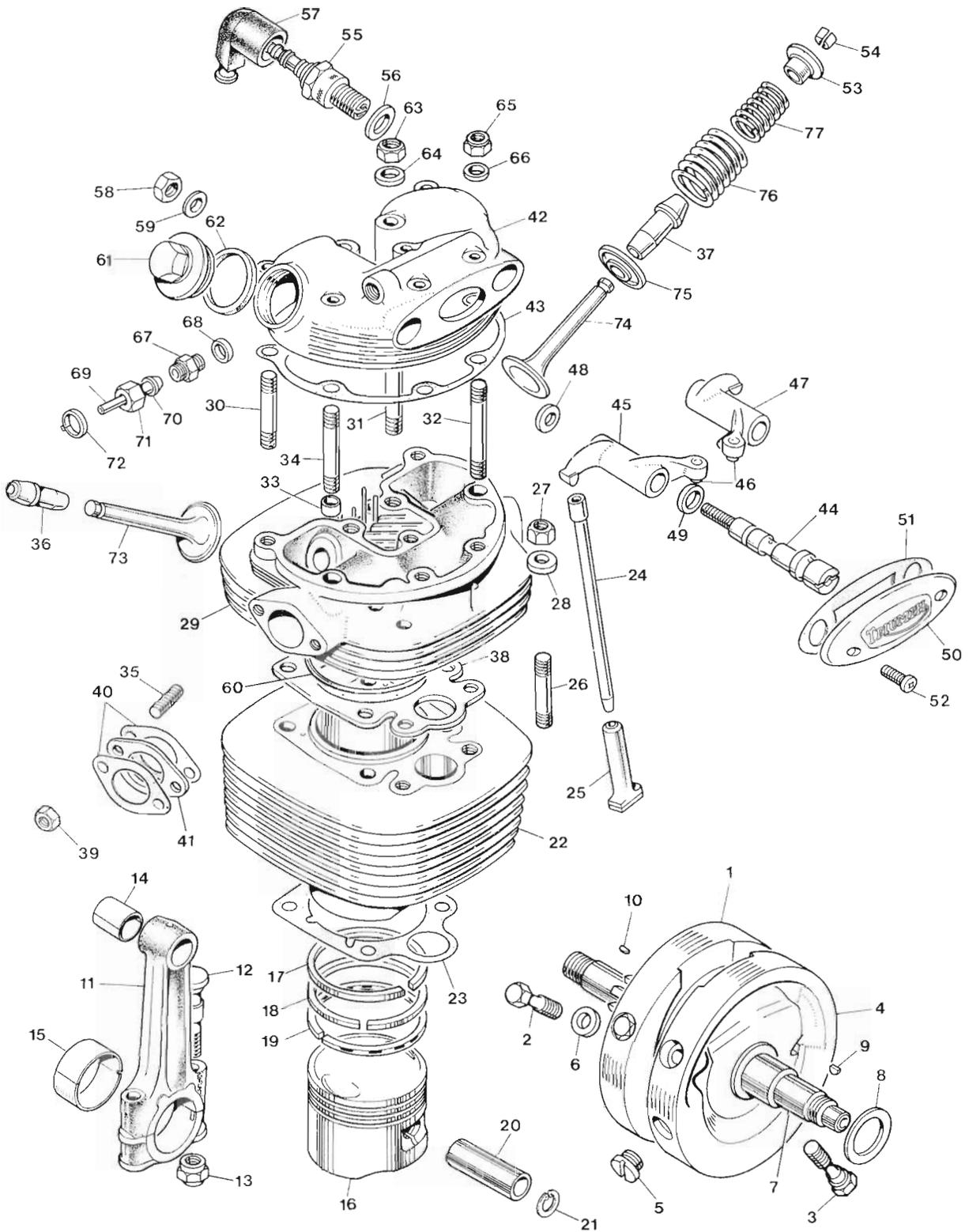


Fig. 1 CYLINDER AND CRANKSHAFT

CYLINDER AND CRANKSHAFT

| | | | |
|----|--------|--|----------|
| 1 | E8031 | Flywheel driveside | 1 |
| 2 | E8032 | Flywheel bolts upper (1 $\frac{1}{8}$ in. U.H.) | 4 |
| 3 | E8033 | Flywheel bolts lower (2 in. U.H.) | 4 |
| 4 | E8034 | FLYWHEEL TIMING SIDE | 1 |
| 5 | E8036 | Flywheel screwed plug | 1 |
| 6 | E8037 | Washer | 8 |
| 7 | E8028 | Crankshaft assy. | 1 |
| 8 | E8038 | Shim | A.R. |
| 8 | E8039 | Shim | A.R. |
| 9 | E1580 | Crankshaft pinion key | 1 |
| 10 | E8144 | Rotor key | 1 |
| 11 | E8836 | CONNECTING ROD | 1 |
| 12 | E3705 | Connecting rod bolt | 2 |
| 13 | E2922 | Self-locking nut | 2 |
| 14 | E4003 | Small end bush (split) | 1 |
| 15 | E6068 | Big end bush | 2 halves |
| 16 | E7998 | PISTON COMPLETE | 1 |
| 17 | E8044 | Plain compression ring | 1 |
| 18 | E8047 | Taper compression ring | 1 |
| 19 | E8050 | Oil control ring | 1 |
| 20 | WE203E | Gudgeon pin | 1 |
| 21 | WE479 | Circlip | 2 |
| 22 | E1895 | Cylinder barrel | 1 |
| 23 | E7728 | Cylinder base washer | 1 |
| 24 | E8053 | Push rod (exhaust) | 1 |
| 24 | E8055 | Push rod (inlet) | 1 |
| 25 | E7739 | Cam follower | 2 |
| 26 | E8008 | Cylinder barrel stud | 2 |
| 27 | E8196 | Stud nut | 2 |
| 28 | E8215 | Washer | 2 |
| 29 | E8197 | CYLINDER HEAD | 1 |
| 30 | E8228 | Stud—short (2 $\frac{7}{16}$ in. O.A.) | 2 |
| 31 | E8229 | Stud | 2 |
| 32 | E8079 | Stud—long (3 $\frac{1}{16}$ in. O.A.) | 3 |
| 33 | E8010 | Dowel | 2 |
| 34 | E8080 | Stud (2 $\frac{1}{16}$ in. O.A.) | 2 |
| 35 | E8227 | Carburettor stud (1 $\frac{3}{8}$ in. O.A.) | 2 |
| 36 | E8225 | Valve guide (inlet) | 1 |
| 37 | E8226 | Valve guide (exhaust) | 1 |
| 38 | E8081 | Cylinder head gasket | 1 |
| 39 | E8137 | Carburettor stud nut | 2 |
| 40 | E8136 | Carburettor flange washer | 1 |
| 41 | E7820 | Distance piece | 1 |

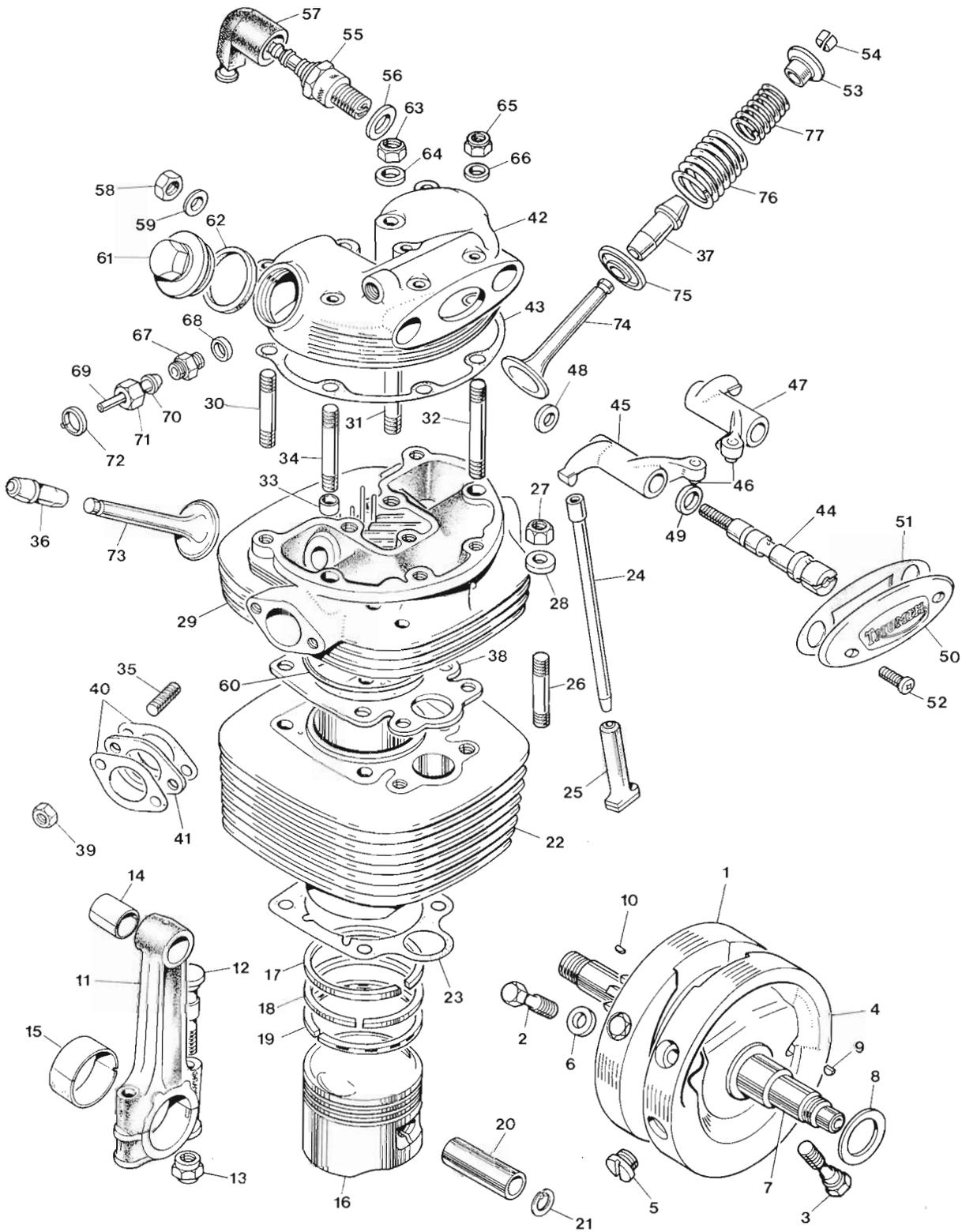


Fig. 1 CYLINDER AND CRANKSHAFT

| Ref. No. | Part No. | DESCRIPTION | QUANTITY |
|--------------------------------|----------|--|----------|
| CYLINDER AND CRANKSHAFT | | | |
| 42 | E7911 | Rocker box | 1 |
| 43 | E7858 | Rocket box gasket | 1 |
| 44 | E7787 | Rocker spindle | 2 |
| 45 | E7790 | INLET ROCKER | 1 |
| 46 | E1483 | Ball end | 1 |
| 47 | E7791 | EXHAUST ROCKER | 1 |
| 46 | E1483 | Ball end | 1 |
| 48 | E1575 | Thrust washer | 2 |
| 49 | E1330 | Thrust washer | 2 |
| 50 | E8952 | Inspection cover | 1 |
| 51 | E8085 | Gasket | 1 |
| 52 | E8086 | Screw ($\frac{11}{16}$ in. U.H.) | 2 |
| 53 | E8116 | Top collar | 7 |
| 54 | E8117 | Split collet | 4 halves |
| 55 | D911 | SPARK PLUG (N3) | 1 |
| 56 | E8138 | Washer | 1 |
| 57 | D1002 | Plug cover | 1 |
| 58 | 14-0403 | Locknut | 2 |
| 59 | E8084 | Washer | 2 |
| 60 | E7958 | Corrugated ring | A.R. |
| 60 | E7959 | Corrugated ring | A.R. |
| 60 | E7960 | Corrugated ring | A.R. |
| 61 | E1564 | Inspection Cap | 2 |
| 62 | E1577 | Washer | 2 |
| 63 | E8087 | Nut | 2 |
| 64 | E8088 | Washer | 2 |
| 65 | E8089 | Nut | 7 |
| 66 | E8072 | Washer | 7 |
| 67 | E8082 | Union | 1 |
| 68 | E8083 | Fibre washer | 1 |
| | E8105 | OIL FEED PIPE | 1 |
| 69 | E8106 | Rubber connection | 1 |
| 70 | E8107 | Nipple | 1 |
| 71 | E8110 | Union nut | 1 |
| 72 | E8111 | Clip | 1 |
| 73 | E8112 | Inlet valve | 1 |
| 74 | E7777 | Exhaust valve | 1 |
| 75 | E8113 | Bottom cup | 2 |
| 76 | E8114 | Valve spring—outer | 2 |
| 77 | E8115 | Valve spring—inner | 2 |

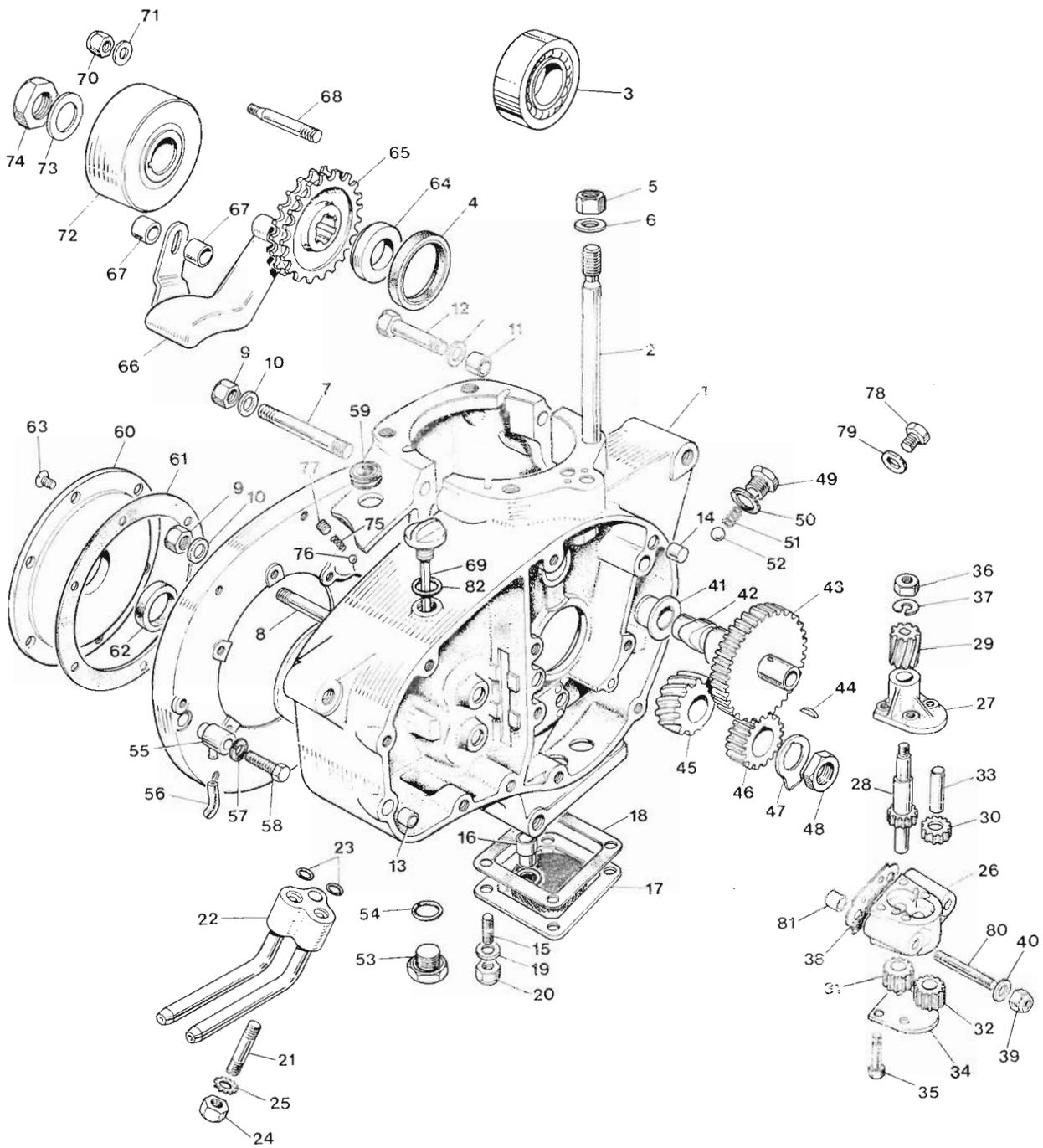


Fig. 2 CRANKCASE

CRANKCASE

| Ref. No. | Part No. | DESCRIPTION | QUANTITY |
|----------|----------|--|----------|
| 1 | E8000 | CRANKCASE COMPLETE | 1 |
| 2 | E8006 | Cylinder securing stud | 4 |
| 3 | E8003 | Crankcase bearing | 2 |
| 4 | E8025 | Crankcase oil seal | 1 |
| 5 | 14-0303 | Cylinder securing nut | 4 |
| 6 | E8135 | Washer | 4 |
| 7 | E8007 | Crankcase stud—top ($2\frac{29}{32}$ in. O.A.) | 2 |
| 8 | E8008 | Crankcase stud—rear ($2\frac{11}{16}$ in. O.A.) | 2 |
| 9 | E8133 | Nut | 4 |
| 10 | E8088 | Washer | 7 |
| 11 | E8009 | Dowel | 1 |
| 12 | E8016 | Crankcase bolt | 3 |
| 13 | E8010 | Hollow dowel | 1 |
| 14 | E8011 | Solid dowel | 2 |
| 15 | E8012 | Sump stud | 4 |
| 16 | E8017 | Scavenge pipe complete | 1 |
| 17 | E8064 | Sump cover | 1 |
| 18 | E8070 | Gasket | 1 |
| 19 | E8072 | Plain washer | 4 |
| 20 | E8071 | Nut | 4 |
| 21 | E8013 | Oil union stud ($1\frac{7}{8}$ in. O.A.) | 1 |
| 22 | E8127 | Oil pipes and union block | 1 |
| 23 | E8132 | 'O' ring | 2 |
| 24 | E8133 | Union nut | 1 |
| 25 | E8134 | Washer | 1 |
| 26 | E8090 | OIL PUMP COMPLETE | 1 |
| 27 | E8092 | Spindle housing | 1 |
| 28 | E8093 | Spindle | 1 |
| 29 | E8094 | Spindle gear | 1 |
| 30 | E8095 | Feed gear—driven | 1 |
| 31 | E8096 | Scavenge gear—driving | 1 |
| 32 | E8097 | Scavenge gear—driven | 1 |
| 33 | E8098 | Driven gear spindle | 1 |
| 34 | E8099 | Bottom plate | 1 |
| 35 | E8100 | Screw | 4 |
| 36 | E8071 | Spindle gear nut | 1 |
| 37 | F9041 | Spindle gear washer | 1 |
| 38 | E8103 | Gasket | 1 |
| 39 | E8071 | Holding nut | 2 |
| 40 | E8104 | Washer | 2 |
| 41 | E8004 | Camshaft bush | 1 |
| 42 | E8059 | Camshaft | 1 |
| 43 | E8060 | Camshaft pinion | 1 |

R. F. Seymour

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Telephone: THAME 277 —13 OXFORDSHIRE**

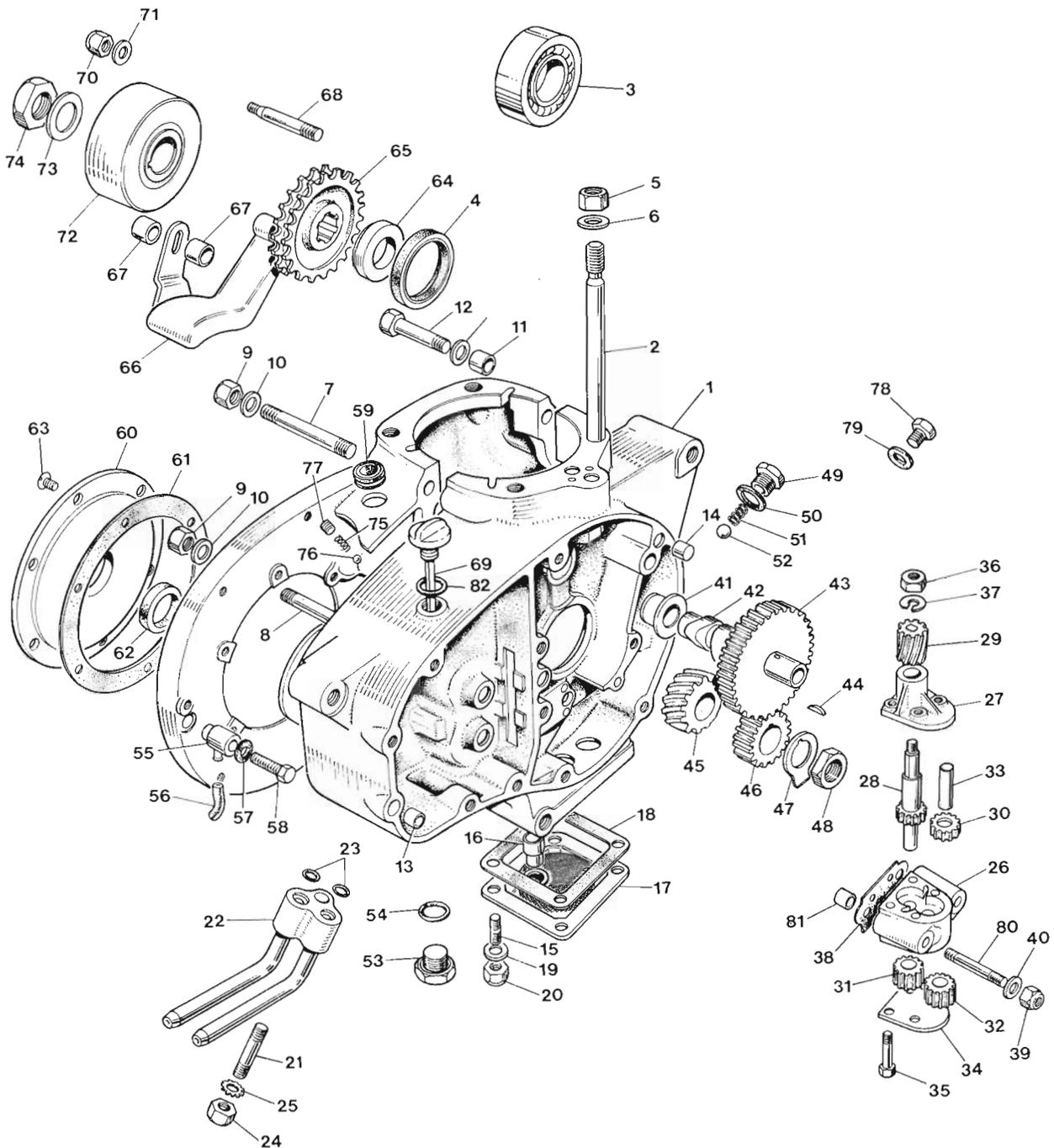


Fig. 2 CRANKCASE

CRANKCASE

| | | | |
|----|---------|--|------|
| 44 | E8061 | Woodruff key | 1 |
| 45 | E8041 | Drive gear | 1 |
| 46 | E8040 | Crankshaft pinion | 1 |
| 47 | E8043 | Lockwasher | 1 |
| 48 | E8042 | Nut | 1 |
| 49 | E8123 | Pressure release valve plug | 1 |
| 50 | E8121 | Plug washer | 1 |
| 51 | E8120 | Spring | 1 |
| 52 | E8122 | Ball | 1 |
| 53 | T2696 | Gearbox drain plug | 1 |
| 54 | T2697 | 'O' ring | 1 |
| 55 | E8179 | Chain oiler | 1 |
| 56 | E8173 | Rubber pipe | 1 |
| 57 | E8180 | Fibre washer | 1 |
| 58 | E8181 | Bolt (1 $\frac{1}{4}$ in. U.H.) | 1 |
| 59 | E8148 | Generator lead grommet | 1 |
| 60 | E3789 | Oil seal housing | 1 |
| 61 | E3832 | Gasket | 1 |
| 62 | E3833 | Oil seal | 1 |
| 63 | E3821 | Screw | 6 |
| 64 | E8140 | Distance piece | A.R. |
| 64 | E8141 | Distance piece | A.R. |
| 64 | E8142 | Distance piece | A.R. |
| 65 | E8139 | Engine sprocket (23T) | 1 |
| 66 | E8144 | Chain tensioner | 1 |
| 67 | E8143 | Distance piece | 2 |
| 68 | E7779 | Generator stud—rear (2 $\frac{1}{32}$ in.) | 1 |
| 68 | E7778 | Generator stud—front (2 $\frac{1}{32}$ in.) | 1 |
| 68 | E8026 | Generator stud—bottom | 1 |
| 69 | T2695 | Dipstick | 1 |
| 70 | E8071 | Nyloc nut | 3 |
| 71 | E8072 | Washer | 3 |
| 72 | 99-0739 | Rotor | 1 |
| 73 | E8224 | Lockwasher | 1 |
| 74 | E8146 | Nut | 1 |
| 75 | E8124 | Non-return valve spring | 1 |
| 76 | E8125 | Valve ball | 1 |
| 77 | E8126 | Valve screw | 1 |
| 78 | E7885 | Sealing plug | 1 |
| 79 | E8159 | Washer | 1 |
| 80 | E8288 | Stud (2 $\frac{3}{16}$ in. O.A.) | 2 |
| 81 | E8022 | Dowel | 2 |
| 82 | T948 | 'O' Ring for dipstick | 1 |

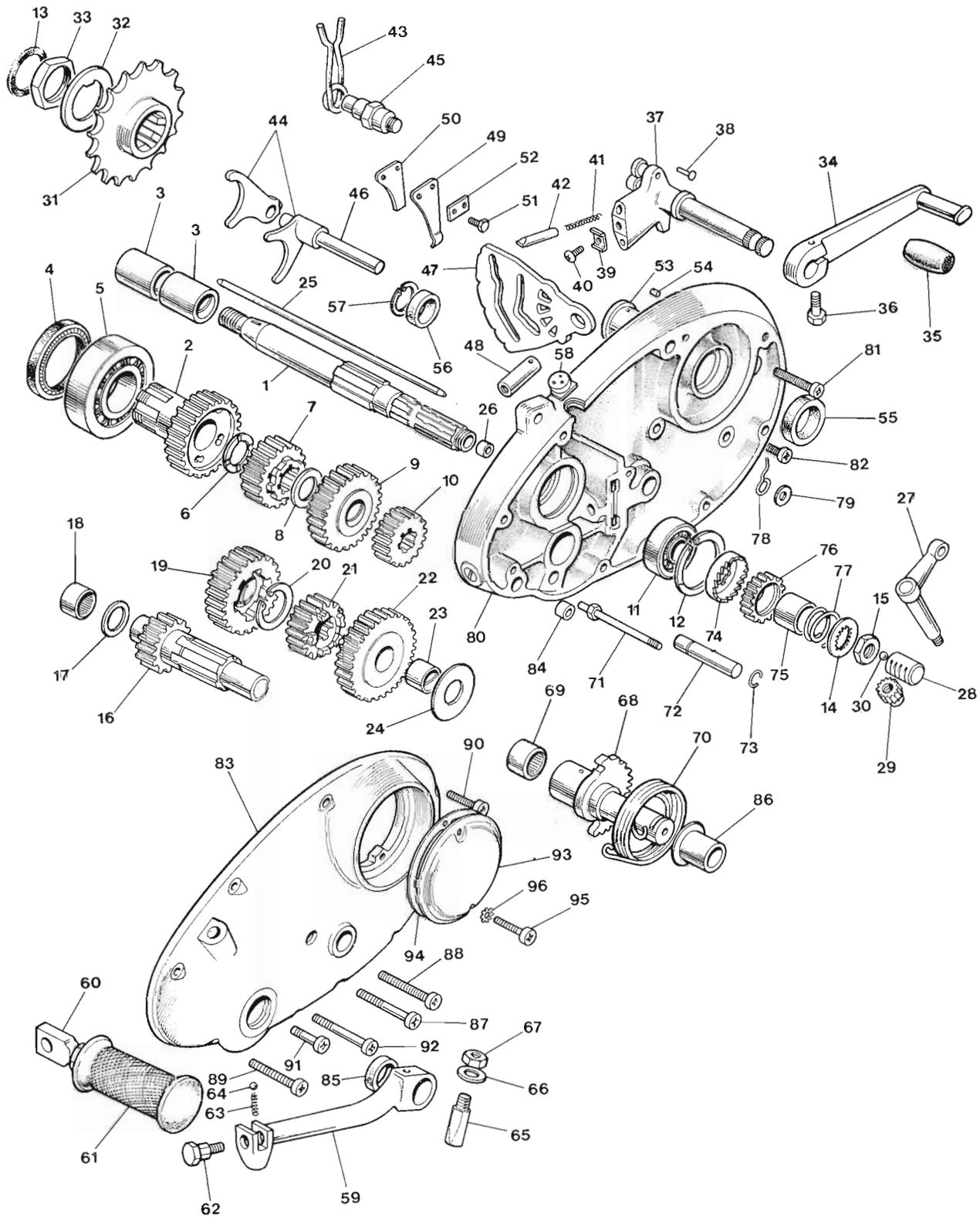


Fig. 3 GEAR CLUSTER

GEAR CLUSTER

| | | | | | | | | | |
|----|-------|---------------------------------------|-----|-----|-----|-----|-----|-----|-------------|
| 1 | T2661 | Mainshaft complete with bush | ... | ... | ... | ... | ... | ... | 1 |
| 2 | T2676 | HIGH GEAR (22T) | ... | ... | ... | ... | ... | ... | 1 |
| 3 | T2753 | High gear bush | ... | ... | ... | ... | ... | ... | 2 |
| 4 | E8015 | Mainshaft oil seal | ... | ... | ... | ... | ... | ... | 1 |
| 5 | E8014 | Mainshaft bearing | ... | ... | ... | ... | ... | ... | 1 |
| 6 | T2678 | Thrust washer | ... | ... | ... | ... | ... | ... | A.R. |
| 6 | T2679 | Thrust washer | ... | ... | ... | ... | ... | ... | A.R. |
| 6 | T2680 | Thrust washer | ... | ... | ... | ... | ... | ... | A.R. |
| 7 | T2673 | Mainshaft second gear (21T) | ... | ... | ... | ... | ... | ... | 1 |
| 8 | T2664 | Spacer | ... | ... | ... | ... | ... | ... | A.R. |
| 8 | T2665 | Spacer | ... | ... | ... | ... | ... | ... | A.R. |
| 8 | T2666 | Spacer | ... | ... | ... | ... | ... | ... | A.R. |
| 9 | T2662 | Mainshaft third gear (24T) | ... | ... | ... | ... | ... | ... | 1 |
| 10 | T2663 | Mainshaft low gear (16T) | ... | ... | ... | ... | ... | ... | 1 |
| 11 | E8151 | Mainshaft bearing | ... | ... | ... | ... | ... | ... | 1 |
| 12 | E8152 | Bearing circlip | ... | ... | ... | ... | ... | ... | 1 |
| 13 | T2677 | Felt washer | ... | ... | ... | ... | ... | ... | 1 |
| 14 | T2685 | Lockwasher | ... | ... | ... | ... | ... | ... | 1 |
| 15 | T2686 | Mainshaft nut | ... | ... | ... | ... | ... | ... | 1 |
| 16 | T2667 | Layshaft and high gear (14T) | ... | ... | ... | ... | ... | ... | 1 |
| 17 | T2671 | Thrust washer | ... | ... | ... | ... | ... | ... | 1 |
| 17 | T2672 | Thrust washer | ... | ... | ... | ... | ... | ... | 1 |
| 18 | E8005 | Layshaft bearing | ... | ... | ... | ... | ... | ... | 1 |
| 19 | T2668 | Layshaft second gear (22T) | ... | ... | ... | ... | ... | ... | 1 |
| 20 | T2669 | Layshaft circlip | ... | ... | ... | ... | ... | ... | 1 |
| 21 | T2674 | Layshaft third gear (19T) | ... | ... | ... | ... | ... | ... | 1 |
| 22 | T2675 | LAYSHAFT LOW GEAR COMPLETE (27T) | ... | ... | ... | ... | ... | ... | |
| 23 | T2752 | Low gear bush | ... | ... | ... | ... | ... | ... | 1 |
| 24 | T2670 | Spacing shim | ... | ... | ... | ... | ... | ... | 1 |
| 25 | T2733 | Clutch push rod | ... | ... | ... | ... | ... | ... | 1 |
| 26 | T1391 | Push rod bush | ... | ... | ... | ... | ... | ... | 1 |
| 27 | T2750 | Clutch lever complete | ... | ... | ... | ... | ... | ... | 1 |
| 28 | T2699 | Clutch operating rack | ... | ... | ... | ... | ... | ... | 1 |
| 29 | T2700 | Clutch operating pinion | ... | ... | ... | ... | ... | ... | 1 |
| 30 | E8019 | Thrust ball | ... | ... | ... | ... | ... | ... | 1 |
| 31 | T2765 | Gearbox sprocket (15T) | ... | ... | ... | ... | ... | ... | 1 |
| 31 | T2701 | Gearbox sprocket (16T) | ... | ... | ... | ... | ... | ... | Alternative |
| 31 | T2766 | Gearbox sprocket (17T) | ... | ... | ... | ... | ... | ... | Alternative |
| 32 | T2702 | Lockwasher | ... | ... | ... | ... | ... | ... | 1 |
| 33 | T1434 | Nut | ... | ... | ... | ... | ... | ... | 1 |
| 34 | T1164 | Gear change pedal | ... | ... | ... | ... | ... | ... | 1 |
| 35 | T2450 | Pedal rubber | ... | ... | ... | ... | ... | ... | 1 |
| 36 | T2703 | Pedal bolt ($\frac{1}{16}$ in. U.H.) | ... | ... | ... | ... | ... | ... | 1 |

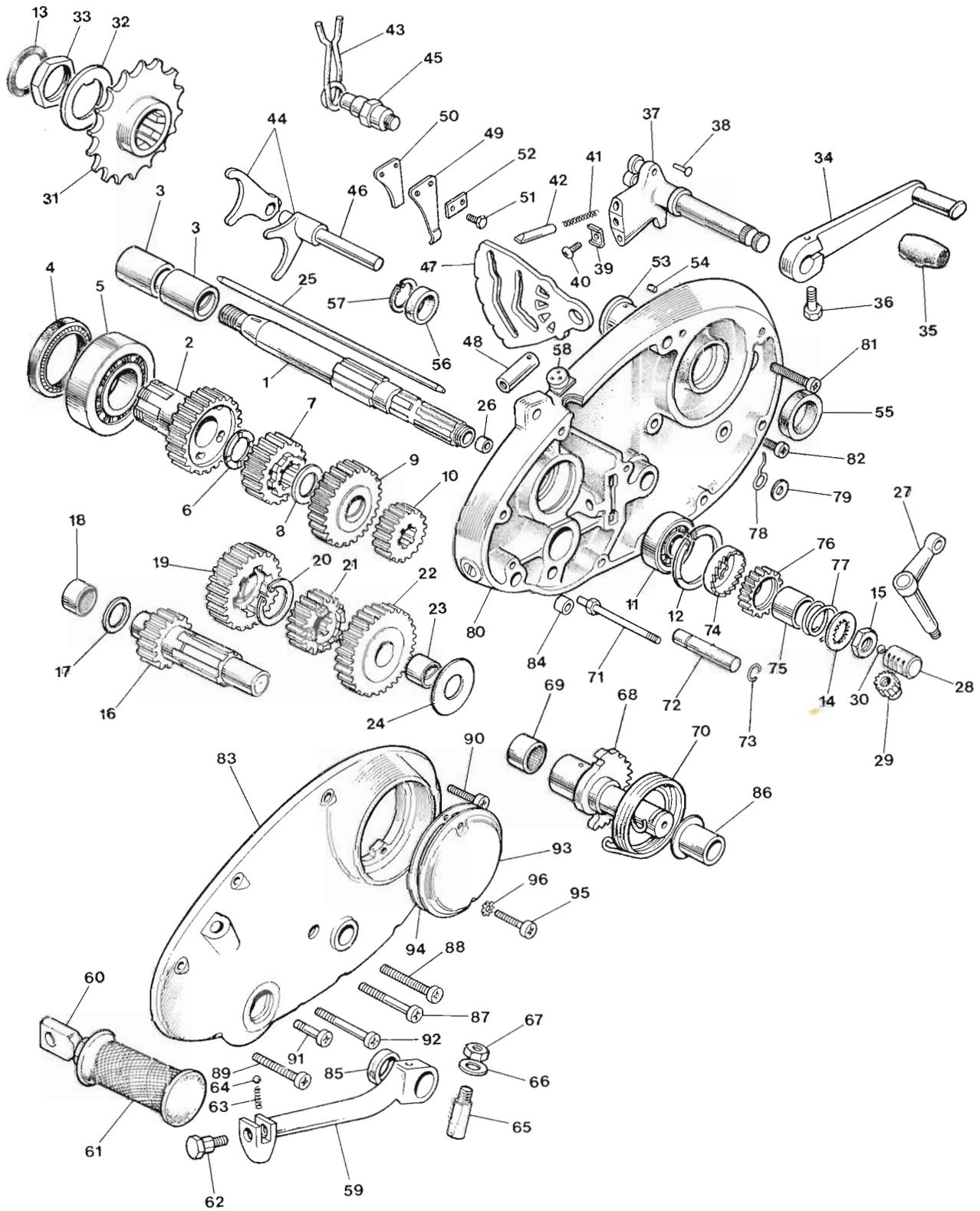


Fig. 3 GEAR CLUSTER

GEAR CLUSTER

| Ref. No. | Part No. | DESCRIPTION | QUANTITY |
|----------|----------|---|----------|
| | T2692 | GEARCHANGE QUADRANT COMPLETE | 1 |
| 37 | T2693 | Gearchange quadrant | 1 |
| 38 | T1277 | Spring rivet | 2 |
| 39 | T2107 | Keeper plate | 1 |
| 40 | T2435 | Screw | 1 |
| 41 | T2106 | Spring | 2 |
| 42 | T2105 | Plunger | 2 |
| 43 | T1109 | Return spring | 1 |
| 44 | T2689 | Selector fork | 2 |
| 45 | T2659 | Anchor bolt | 1 |
| 46 | T2688 | Selector spindle | 1 |
| 47 | T2690 | Camplate | 1 |
| 48 | T1069 | Camplate spindle | 1 |
| 49 | T2691 | Index spring | 1 |
| 50 | T1249 | Spring backing | 1 |
| 51 | T1076 | Screw | 2 |
| 52 | T1180 | Lockplate | 1 |
| 53 | E8150 | Camshaft bush | 1 |
| 54 | E3172 | Peg | 1 |
| 55 | E8153 | Camshaft oil seal | 1 |
| 56 | E8154 | Crankshaft T/S oil seal | 1 |
| 57 | E8157 | Oil seal circlip | 1 |
| 58 | E8155 | Cable grommet | 1 |
| 59 | T2763 | KICKSTART CRANK COMPLETE | 1 |
| 60 | T2774 | Kickstart folding pedal | 1 |
| 61 | T2330 | Pedal rubber | 1 |
| 62 | T1169 | Pivot bolt (1 in U.H.) | 1 |
| 63 | T1167 | Spring | 1 |
| 64 | E8125 | Steel ball | 1 |
| 65 | T2704 | Cotter pin | 1 |
| 66 | T2705 | Cotter washer | 1 |
| 67 | T2706 | Cotter nut | 1 |
| 68 | T2643 | KICKSTART SPINDLE | 1 |
| 69 | E8005 | Needle roller | 1 |
| 70 | T2687 | Return spring | 1 |
| 71 | T2660 | Anchor pin | 1 |
| 72 | T2657 | Kickstart stop | 1 |
| 73 | T2658 | Circlip | 1 |
| 74 | E2681 | Kickstart ratchet | 1 |
| 75 | E2682 | Bush | 1 |
| 76 | T2683 | Pinion | 1 |
| 77 | T2684 | Spring | 1 |
| 78 | E8172 | Contact breaker clip | 1 |
| 79 | E8072 | Washer | 1 |
| 80 | E7919 | Inner timing cover | 1 |
| 81 | E8160 | Inner cover screw—short | 5 |
| 82 | E8161 | Inner cover screw—bottom front | 2 |
| 83 | E8232 | OUTER TIMING COVER | 1 |
| 84 | E8010 | Dowel | 2 |
| 85 | T2641 | Kickstart oil seal | 1 |
| 86 | T2642 | Bush | 1 |
| 87 | E8167 | Outer cover screw | 3 |
| 88 | E8168 | Outer cover screw | 1 |
| 89 | E8160 | Inner cover screw | 4 |
| 90 | E8169 | Outer cover screw ($\frac{5}{8}$ in. U.H.) | 3 |
| 91 | E8170 | Inner cover screw ($\frac{1}{16}$ in. U.H.) | 1 |
| 92 | E8171 | Outer cover screw ($2\frac{3}{8}$ in. U.H.) | 1 |
| 93 | E8737 | Cover | 1 |
| 94 | E7882 | Gasket | 1 |
| 95 | E7354 | Screw ($\frac{1}{2}$ in. U.H.) | 2 |
| 96 | E8165 | Serrated washer | 2 |

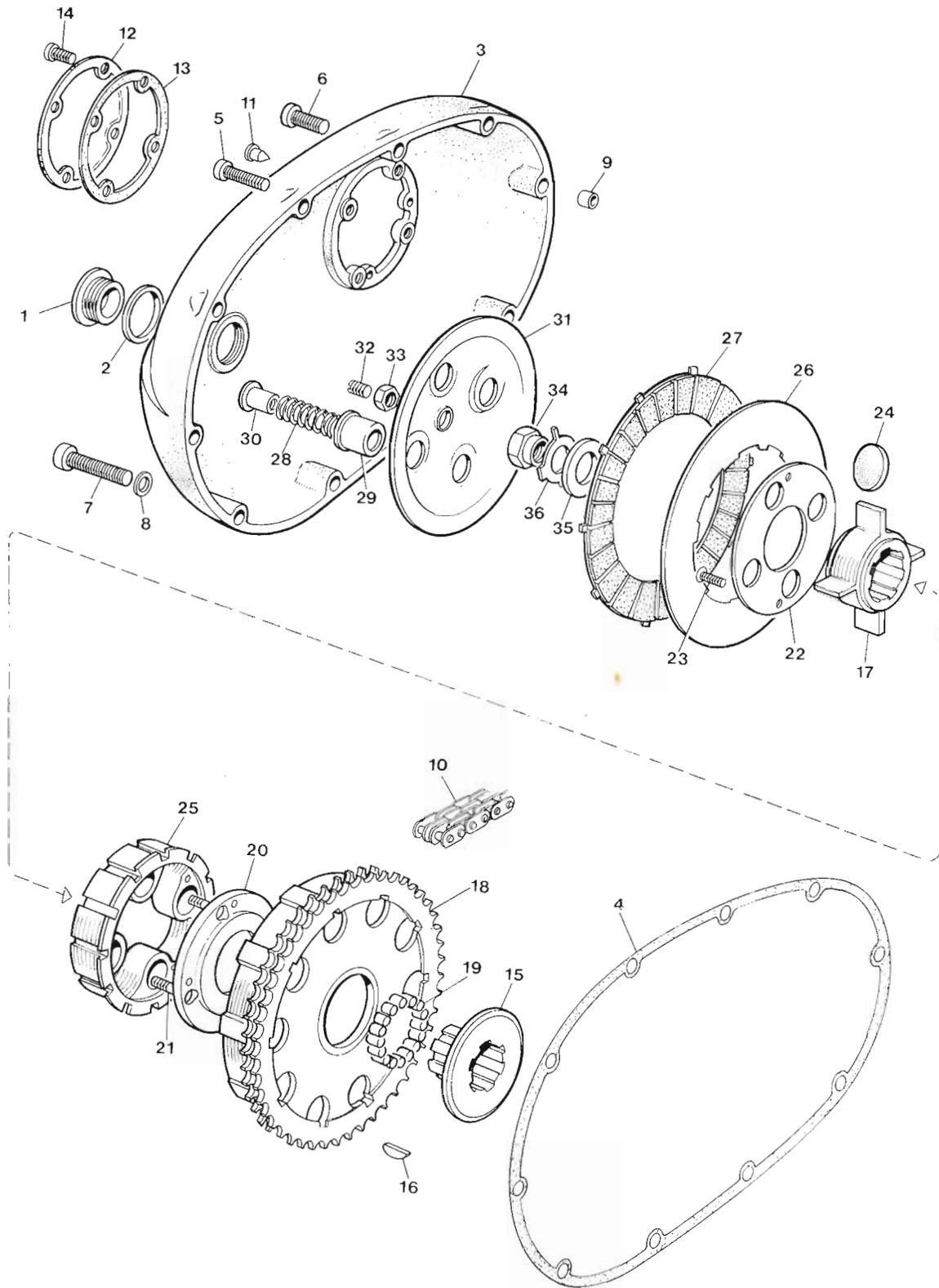


Fig. 4 CLUTCH

CLUTCH

| Ref. No. | Part No. | DESCRIPTION | QUANTITY |
|----------|----------------|---|----------|
| 1 | E8231 | Filler plug | 2 |
| 2 | NE507 | Fibre washer | 2 |
| 3 | E8953 | Primary chaincase cover | 1 |
| 4 | E7856 | Chaincase gasket | 1 |
| 5 | E8168 | Cover screw | 4 |
| 6 | E8160 | Cover screw | 5 |
| 7 | E8174 | Drain plug | 1 |
| 8 | E8175 | Washer | 1 |
| 9 | E8010 | Chaincase dowel | 2 |
| 10 | D951 | Primary chain (70L.) | 1 |
| 11 | E8176 | Ignition pointer screw | 1 |
| 12 | E8955 | Inspection cover | 1 |
| 13 | E8178 | Gasket | 1 |
| 14 | E8177 | Screw ($\frac{1}{2}$ in. U.H.) | 4 |
| 15 | T2713 | Clutch hub | 1 |
| 16 | T2714 | Clutch hub key | 1 |
| 17 | T2715 | Clutch spider | 1 |
| 18 | T2716 | Sprocket and housing | 1 |
| 19 | T2719 | Roller | 25 |
| 20 | T2720 | INNER RETAINING PLATE | 1 |
| 21 | Reference only | Spring stud | 4 |
| 22 | T2721 | Outer retaining plate | 1 |
| 23 | T2722 | Screw | 4 |
| 24 | T2723 | Shock absorber—drive and rebound | 8 |
| 25 | T2724 | Centre | 1 |
| 26 | T2725 | Driven plate | 5 |
| 27 | T2726 | Driving plate | 4 |
| 28 | T2727 | Spring | 4 |
| 29 | T1144 | Cup | 4 |
| 30 | T2748 | Spring nut | 4 |
| 31 | T2728 | Pressure plate | 1 |
| 32 | T2729 | Adjuster | 1 |
| 33 | F879 | Locknut | 1 |
| 34 | T2730 | Retaining nut | 1 |
| 35 | T2731 | Plain washer | 1 |
| 36 | T2732 | Lockwasher | 1 |

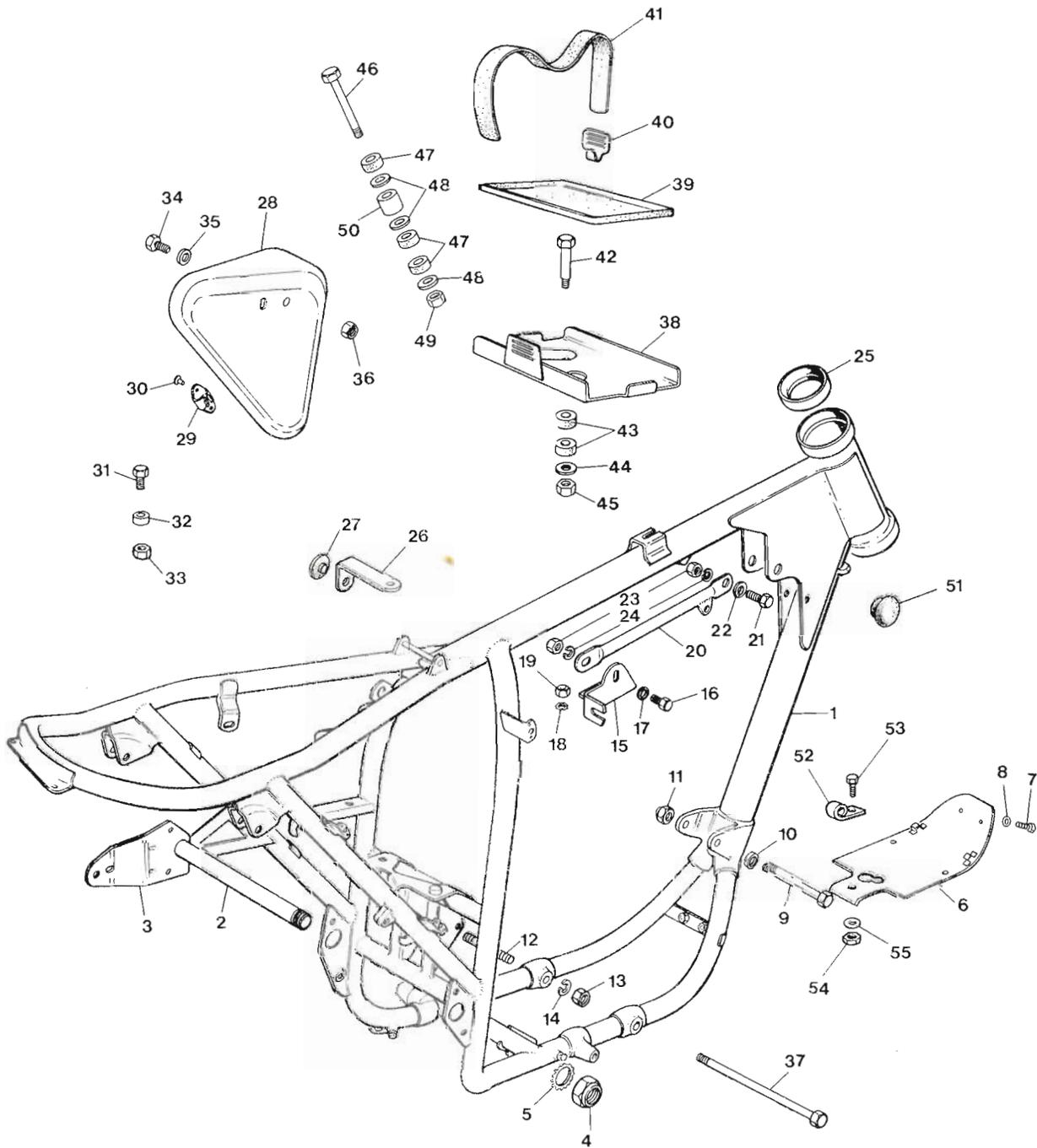


Fig. 5 FRAME COMPLETE

FRAME COMPLETE

| | | | |
|----|----------------|---|----|
| 1 | F8451 | Frame | 1 |
| 2 | F8994 | SWINGING ARM SPINDLE | 1 |
| 3 | Reference only | Spindle locking plate | 1 |
| 4 | F8995 | Spindle nut | 1 |
| 5 | F8996 | Shakeproof washer | 1 |
| 6 | F8819 | Engine shield | 1 |
| 7 | F9029 | Bolt ($\frac{1}{2}$ in. U.H.) | 2 |
| 8 | E8134 | Shakeproof washer | 2 |
| 9 | F8984 | Front engine fixing bolt ($3\frac{3}{16}$ in. U.H.) | 1 |
| 10 | E8084 | Spacer | 2 |
| 11 | E8194 | Nut | 2 |
| 12 | F8985 | Rear stud ($2\frac{9}{16}$ in. O.A.) | 1 |
| 13 | F8987 | Rear nut | 2 |
| 14 | F8986 | Washer | 2 |
| 15 | E8189 | Steady bracket | 1 |
| 16 | F5535 | Bolt | 1 |
| 17 | S25-2 | Washer | 1 |
| 18 | E8134 | Shakeproof washer | 2 |
| 19 | E8133 | Nut | 2 |
| 20 | F9745 | Engine steady stay | 1 |
| 21 | F5535 | Bolt | 3 |
| 22 | E8084 | Plain washer | 3 |
| 23 | E8194 | Nut | 3 |
| 24 | E8191 | Shakeproof washer | 3 |
| 25 | F8988 | Steering race cup | 2 |
| 26 | F9094 | Bracket | 1 |
| 27 | F9093 | Rubber buffer | 1 |
| 28 | F9090 | Tool tray | 1 |
| 29 | Reference only | Fastener clip | 6 |
| 30 | Reference only | Pop rivet | 12 |
| 31 | F9091 | Bolt (.641 in. U.H.) | 1 |
| 32 | F9092 | Spacer | 1 |
| 33 | E8071 | Nut | 1 |
| 34 | F9060 | Bolt ($\frac{3}{8}$ in. U.H.) | 1 |
| 35 | E8072 | Washer | 1 |
| 36 | E8071 | Nut | 1 |
| 37 | F8989 | Bottom bolt | 1 |
| 38 | F8285 | Battery carrier | 1 |
| 39 | F9003 | Battery tray rubber | 1 |
| 40 | F9004 | Hook | 1 |
| 41 | F9005 | Battery strap | 1 |
| 42 | F9006 | Bolt | 2 |
| 43 | F9007 | Mounting rubber | 4 |
| 44 | F9008 | Washer | 2 |
| 45 | E8137 | Nut | 2 |
| 46 | F9086 | Bolt (3 in. U.H.) | 1 |
| 47 | F9007 | Mounting rubber | 4 |
| 48 | F9010 | Washer | 3 |
| 49 | E8194 | Nut | 1 |
| 50 | F9087 | Spacer | 1 |
| 51 | F9222 | Tank anti-roll rubber | 2 |
| 52 | F9084 | 'P' clip | 1 |
| 53 | F9023 | Bolt ($\frac{1}{16}$ in. U.H.) | 1 |
| 54 | W1691 | Nut | 1 |
| 55 | E8088 | Washer | 1 |

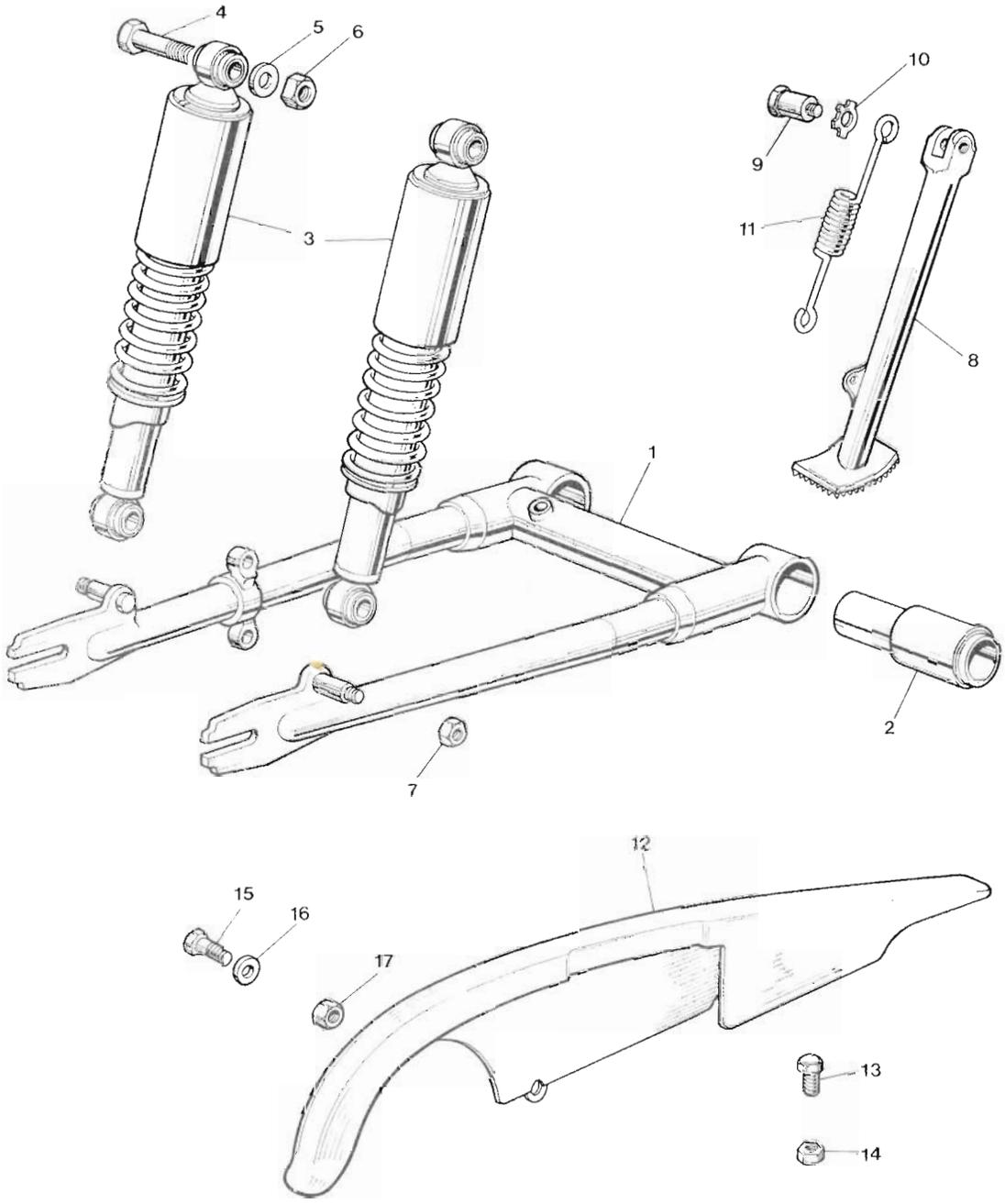


Fig. 6 SWINGING ARM

SWINGING ARM

| | | | |
|----|-------|-------------------------|---|
| 1 | F8992 | Swinging arm | 1 |
| 2 | F8993 | Silentbloc | 2 |
| 3 | F8876 | Suspension unit | 2 |
| 4 | F8997 | Unit fixing bolt | 2 |
| 5 | F8998 | Plain washer | 2 |
| 6 | F8999 | Nut | 2 |
| 7 | F9085 | Nut | 2 |
| 8 | F9766 | Propstand... .. | 1 |
| 9 | F3097 | Swivel pin | 1 |
| 10 | F3096 | Lockwasher | 1 |
| 11 | F2610 | Spring | 1 |
| 12 | F9059 | Chainguard | 1 |
| 13 | F9060 | Bolt | 1 |
| 14 | E8071 | Nut | 1 |
| 15 | W2336 | Bolt | 1 |
| 16 | E8084 | Plain washer | 1 |
| 17 | F9085 | Nut | 1 |

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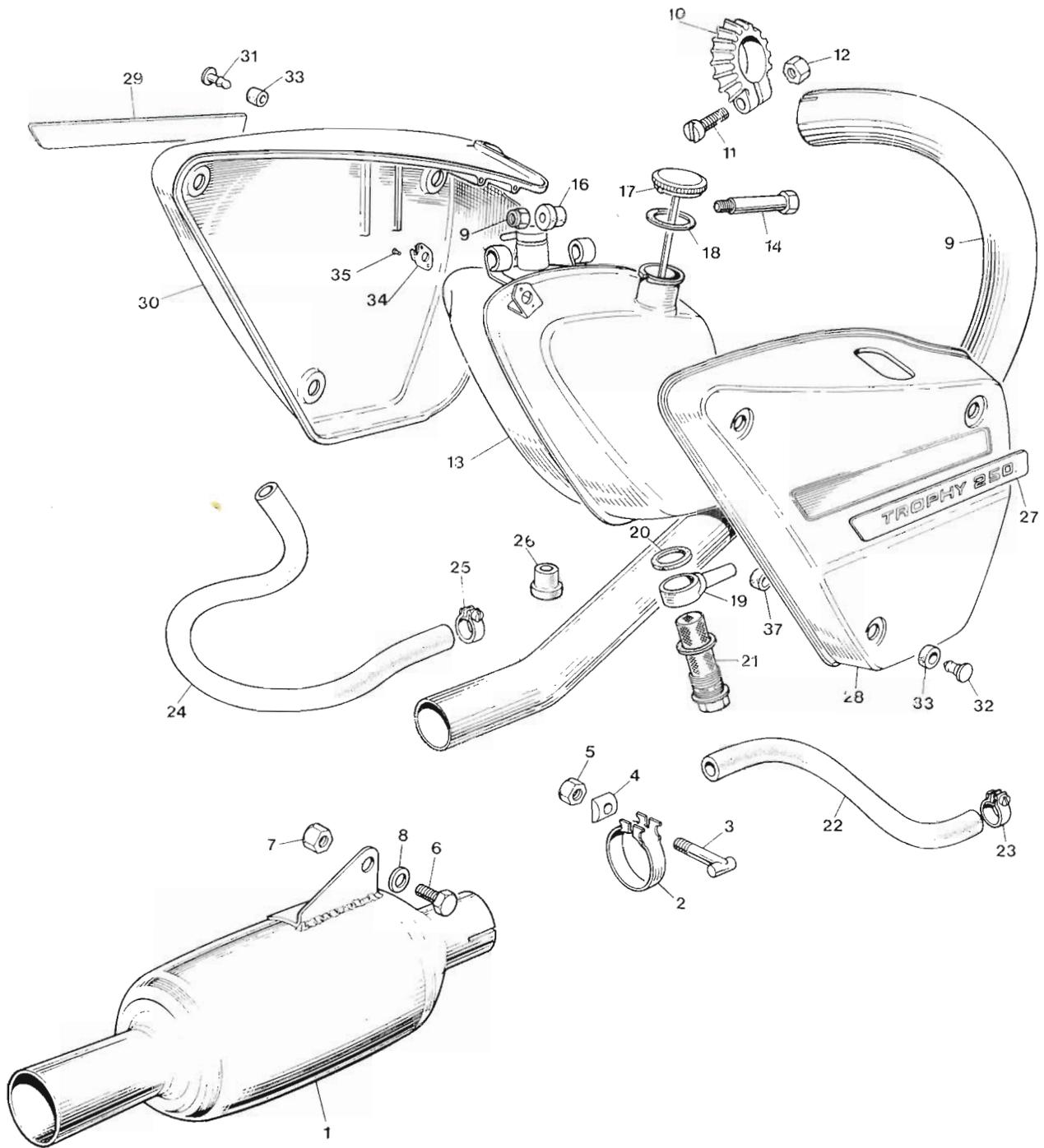


Fig. 7 OIL-TANK, PANELS AND EXHAUST SYSTEM

OIL TANK, PANELS AND EXHAUST SYSTEM

| Ref. No. | Part No. | Description | Quantity |
|----------|----------------|--|----------|
| 1 | F9241 | Muffler | 1 |
| 2 | F8975 | FIXING CLIP | 1 |
| 3 | F9128 | Pin | 1 |
| 4 | F9129 | Swivel | 1 |
| 5 | S5102 | Nut | 1 |
| 6 | 14-0114 | Bolt | 1 |
| 7 | 14-0702 | Nut | 1 |
| 8 | F8981 | Plain washer | 1 |
| 9 | E9514 | Exhaust pipe | 1 |
| 10 | F8976 | Finned clip | 1 |
| 11 | F8977 | Screw ($\frac{1}{8}$ in. U.H.) | 1 |
| 12 | F8978 | Nut | 1 |
| 13 | F9743 | Oil tank | 1 |
| 14 | F9067 | Bolt ($1\frac{3}{4}$ in. U.H.) | 2 |
| 15 | F9068 | Nut | 2 |
| 16 | F6039 | Rubber sleeve | 2 |
| 17 | F9075 | Filler cap c/w dipstick | 1 |
| 18 | F9076 | Filler cap washer | 1 |
| 19 | F8874 | Banjo | 1 |
| 20 | F9070 | Fibre washer | 2 |
| 21 | F9071 | Filter | 1 |
| 22 | F9146 | Rubber connection | 1 |
| 23 | F9073 | Clip | 2 |
| 24 | F9124 | Rubber connection | 1 |
| 25 | E5473 | Clip | 2 |
| 26 | F1927 | Sleeve | 1 |
| 27 | D1922 | Panel motif D/S | 1 |
| 28 | F9477 | Panel D/S | 1 |
| 29 | D1923 | Panel motif T/S | 1 |
| 30 | F9478 | Panel T/S | 1 |
| 31 | D1006 | Oddie stud—long | 3 |
| 32 | D982 | Oddie stud—standard | 1 |
| 33 | D893 | Stud rubber | 3 |
| 33 | D984 | Stud rubber | 1 |
| 34 | Reference only | Fastener clip | 2 |
| 35 | Reference only | Rivet | 4 |

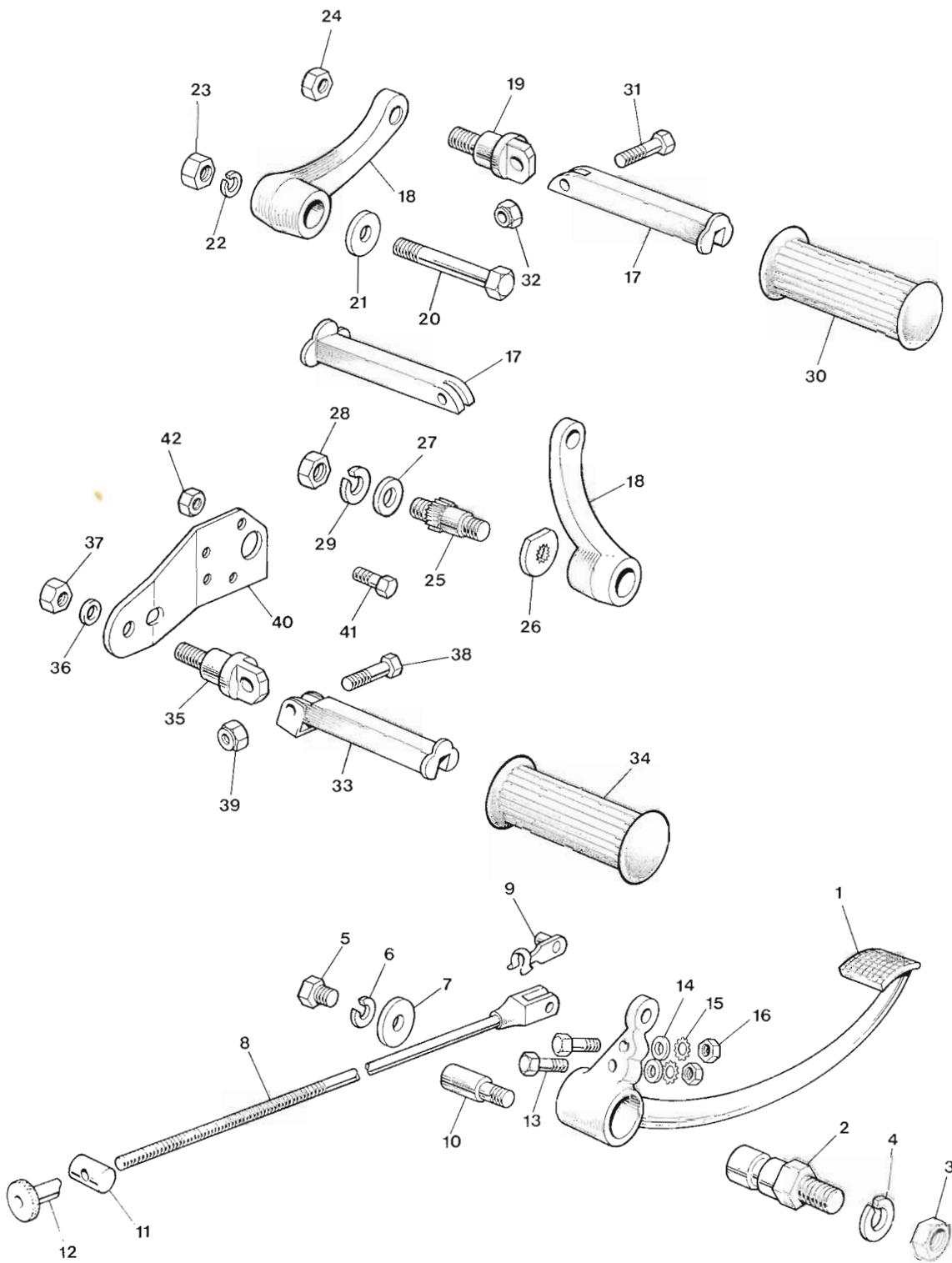


Fig. 8 FOOTRESTS AND BRAKE LINKAGE

FOOTRESTS AND BRAKE LINKAGE

| Ref. No. | Part No. | Description | Quantity |
|----------|----------|--------------------------------------|----------|
| 1 | F9031 | Rear brake pedal | 1 |
| 2 | F9032 | Fulcrum pin | 1 |
| 3 | F9033 | Nut | 1 |
| 4 | F9034 | Washer | 1 |
| 5 | E8193 | Bolt ($\frac{3}{4}$ in. U.H.) | 1 |
| 6 | S26-1 | Spring Washer | 1 |
| 7 | F9035 | Plain washer | 1 |
| 8 | F9036 | Rear brake rod | 1 |
| 9 | W2006 | Toggle spring pin | 1 |
| 10 | F9037 | Brake pedal stop | 1 |
| 11 | F9038 | Swivel pin | 1 |
| 12 | F9039 | Adjuster nut | 1 |
| 13 | F9040 | Adjuster bolt | 2 |
| 14 | F8979 | Washer | 2 |
| 15 | F9041 | Shakeproof washer | 2 |
| 16 | F9042 | Nut | 2 |
| 17 | F9043 | Folding footrest | 2 |
| 18 | F8448 | Footrest bracket | 2 |
| 19 | F9044 | Anchor bolt | 2 |
| 20 | F9045 | Bolt ($2\frac{1}{8}$ in. U.H.) | 1 |
| 21 | F9046 | Plain washer | 1 |
| 22 | F8986 | Spring washer | 1 |
| 23 | F8987 | Nut | 1 |
| 24 | F9085 | Nut | 2 |
| 25 | F9047 | Stud (2 in. O.A.) | 1 |
| 26 | F9048 | Locking plate | 1 |
| 27 | F9049 | Washer | 1 |
| 28 | F9050 | Nut | 1 |
| 29 | F9034 | Spring washer | 1 |
| 30 | F9051 | Footrest rubber | 2 |
| 31 | F9057 | Bolt | 2 |
| 32 | E8137 | Nut | 2 |
| 33 | F9053 | Pillion footrest | 2 |
| 34 | F9054 | Rubber | 2 |
| 35 | F9044 | Anchor bolt O/S | 1 |
| 35 | F9055 | Anchor bolt N/S | 1 |
| 36 | E8084 | Plain washer | 2 |
| 37 | F9085 | Nut | 2 |
| 38 | F9057 | Bolt ($1\frac{1}{4}$ in. U.H.) | 2 |
| 39 | E8137 | Nut | 2 |
| 40 | F9133 | Pillion footrest support bracket O/S | 1 |
| 41 | F8991 | Bolt | 3 |
| 42 | E8137 | Nut | 4 |

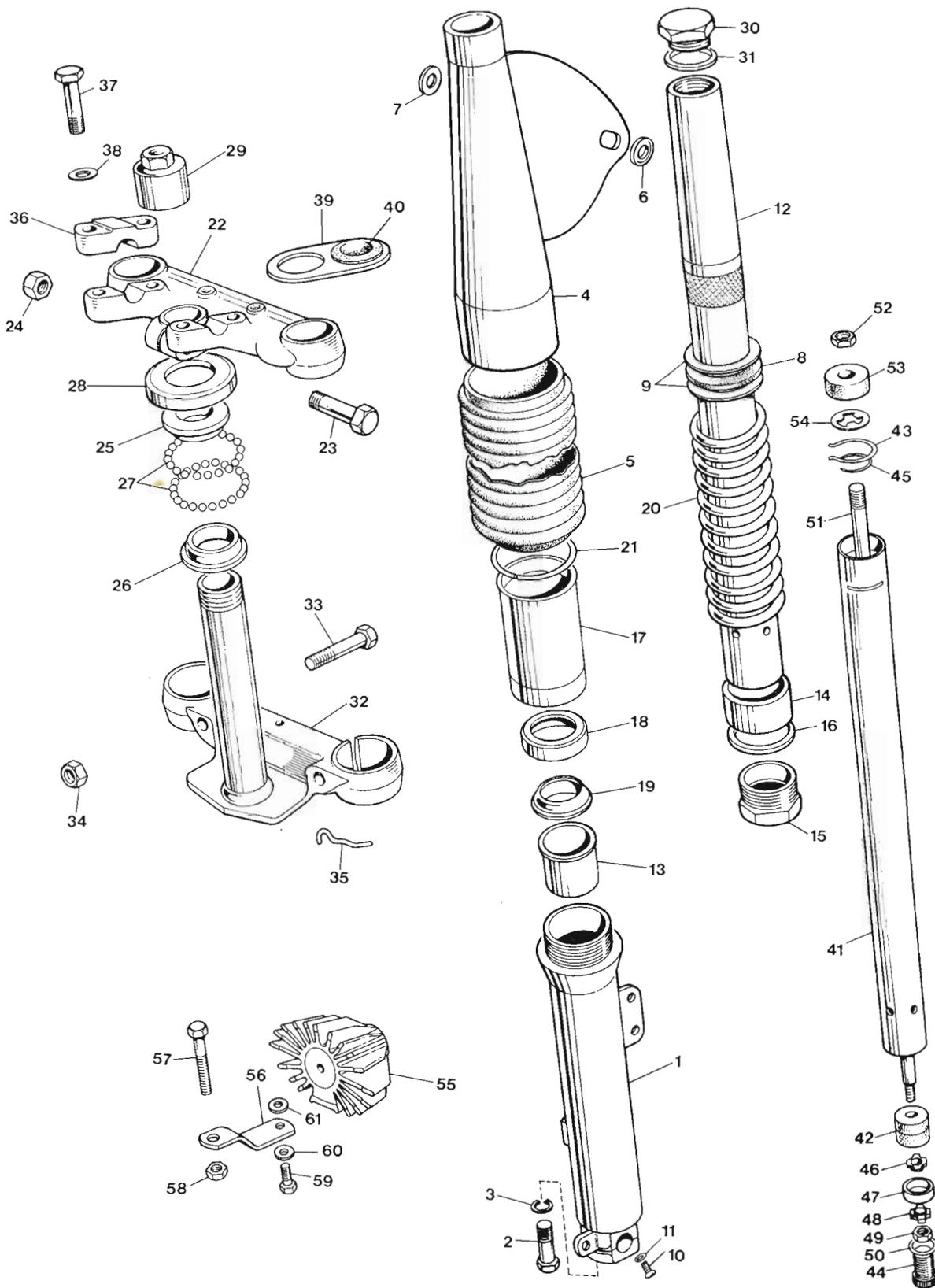


Fig. 9 TELESCOPIC FRONT FORK

FRONT FORKS

| Ref. No. | Part No. | DESCRIPTION | QUANTITY |
|----------|----------|------------------------------------|----------|
| 1 | H3610 | FORK ASSEMBLY COMPLETE | 1 |
| 2 | H2629 | Bolt (1 $\frac{7}{16}$ in. U.H.) | 4 |
| 3 | F8980 | Spring washer | 4 |
| 4 | H3652 | Sleeve complete N/S | 1 |
| 4 | H3653 | Sleeve complete O/S | 1 |
| 5 | H2513 | Gaiter | 2 |
| 6 | H2630 | Washer | 2 |
| 7 | H2631 | Spacer | 2 |
| 8 | H2632 | Sealing washer | 4 |
| 9 | H2633 | Sealing washer | 2 |
| 10 | H2634 | Drain plug | 2 |
| 11 | H2635 | Fibre washer | 2 |
| 12 | H2636 | Stanchion | 2 |
| 13 | H2637 | Top bearing | 2 |
| 14 | H2638 | Bottom bearing | 2 |
| 15 | H2639 | Shaft plug | 2 |
| 16 | H2640 | Plug washer | 2 |
| 17 | H2514 | Oil seal holder | 2 |
| 18 | H2641 | Oil seal | 2 |
| 19 | H2643 | Oil seal holder and bearing spacer | 2 |
| 20 | H3678 | Main spring | 2 |
| 21 | H2536 | Gaiter ring | 2 |
| 22 | H2525 | Top Lug | 1 |
| 23 | H2645 | Bolt | 1 |
| 24 | H2646 | Special nut | 1 |
| 25 | H2647 | Top cone | 1 |
| 26 | H2648 | Bottom cone | 1 |
| 27 | E8125 | Steering head ball | 40 |
| 28 | H2650 | Dust cap | 1 |
| 29 | H2651 | Sleeve nut | 1 |
| 30 | H2652 | Nut | 2 |
| 31 | H2653 | Plain washer | 2 |
| 32 | H2526 | Middle lug and stem | 1 |
| 33 | S785 | Pinch bolt | 2 |
| 34 | 14-0303 | Nut | 2 |
| 35 | H2654 | Cable guide | 1 |
| 36 | H2655 | Handlebar clamp | 2 |
| 37 | H2656 | Bolt | 4 |
| 38 | F8981 | Plain washer | 4 |
| 39 | H2658 | Cable guide bracket | 2 |
| 40 | H2659 | Grommet | 2 |
| 41 | H2660 | Damper Tube | 2 |
| 42 | H2661 | Bush | 2 |
| 43 | H2662 | Circlip | 2 |
| 44 | H2688 | Bolt | 2 |
| 45 | H2664 | Circlip | 2 |
| 46 | H2665 | Valve collar | 2 |
| 47 | H2666 | Valve | 2 |
| 48 | H2667 | Valve seating | 2 |
| 49 | E8071 | Nut | 2 |
| 50 | H2668 | Washer | 2 |
| 51 | H2669 | Damper rod | 2 |
| 52 | E8133 | Nut | 2 |
| 53 | H2670 | Sealing washer | 2 |
| 54 | H2671 | Retainer | 2 |
| 55 | H2237 | Heat sink | 1 |
| 56 | H3625 | Bracket | 1 |
| 57 | 14-0217 | Bolt | 1 |
| 58 | 14-0702 | Nut | 1 |
| 59 | 14-6102 | Bolt | 1 |
| 60 | S26-12 | Washer | 2 |
| 61 | E8088 | Spacer | 1 |

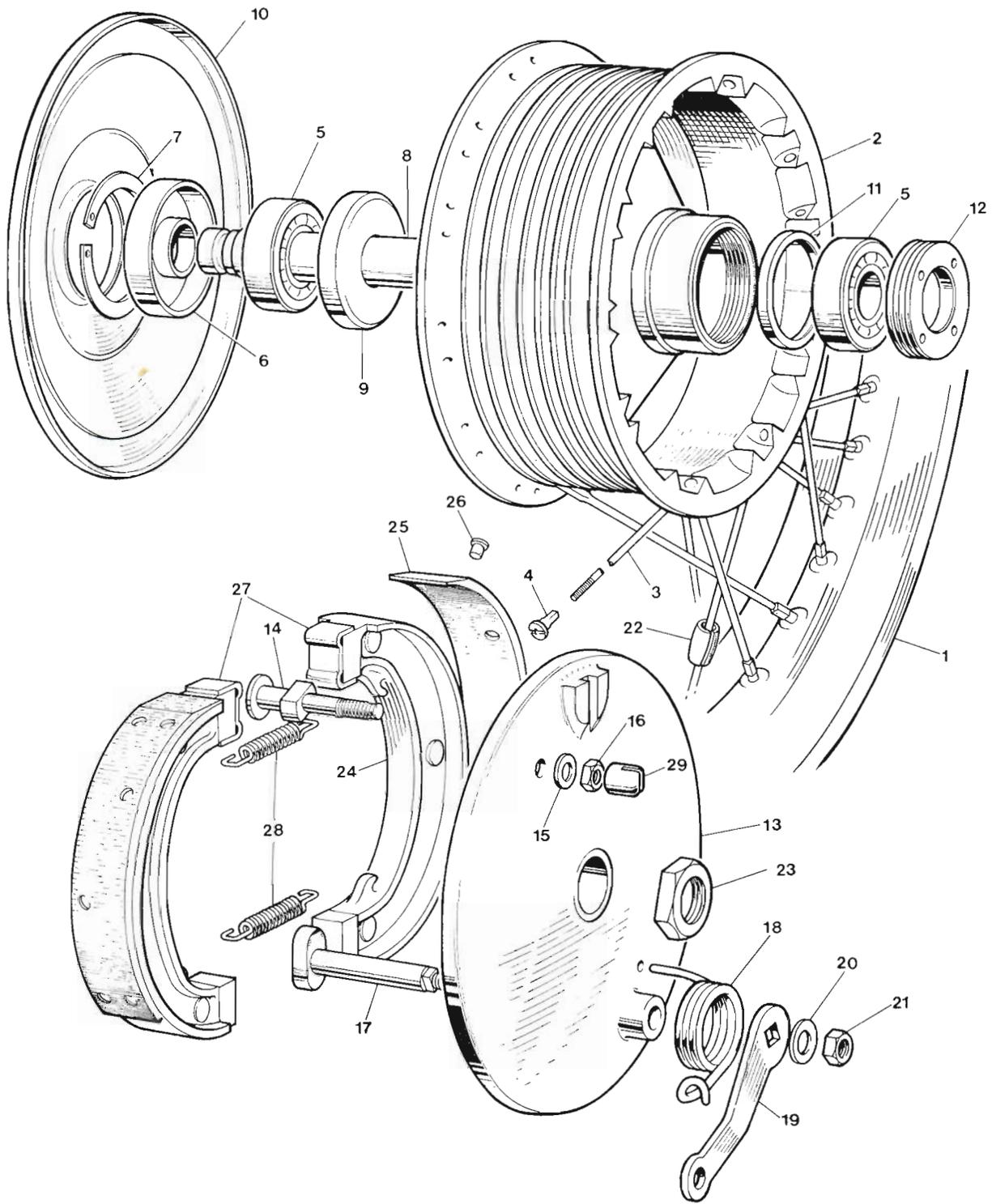


Fig.10 FRONT WHEEL

FRONT WHEEL

| Ref. No. | Part No. | DESCRIPTION | QUANTITY |
|----------|----------------|--|----------|
| | W3424 | FRONT WHEEL COMPLETE (LESS BRAKE AND TYRE) | 1 |
| | W3323 | FRONT WHEEL RIM, HUB AND SPOKES ASSEMBLY | 1 |
| 1 | W1230 | Rim | 1 |
| 2 | W3325 | Hub | 1 |
| 3 | W1236 | Spoke D/S | 20 |
| 3 | W3329 | Spoke T/S | 10 |
| 3 | W330 | Spoke T/S | 10 |
| 4 | S79-2 | Nipple | 40 |
| 5 | W653 | Bearing | 2 |
| 6 | W1237 | Dust cover | 1 |
| 7 | W1238 | Circlip | 1 |
| 8 | W1641 | Spindle | 1 |
| 9 | W1481 | Grease cap D/S | 1 |
| 10 | W2210 | Cover plate | 1 |
| 11 | W3337 | Bearing support ring | 1 |
| 12 | W582 | Bearing retainer | 1 |
| 13 | W1301 | Anchor plate | 1 |
| 14 | W1639 | Fulcrum pin | 1 |
| 15 | E8084 | Fulcrum pin washer | 1 |
| 16 | E8999 | Fulcrum pin nut | 1 |
| 17 | W2069 | Brake cam | 1 |
| 18 | W492 | Lever return spring | 1 |
| 19 | W2000 | Brake cam | 1 |
| 20 | W2027 | Brake cam washer | 1 |
| 21 | 14-0403 | Brake cam nut | 1 |
| 22 | W1197 | Balance weight short | A.R. |
| 22 | W1198 | Balance weight long | A.R. |
| 23 | W1246 | Spindle nut | 1 |
| | W1406 | LEADING BRAKE SHOE | 1 |
| | W1407 | TRAILING BRAKE SHOE | 1 |
| 24 | Reference only | Brake shoe | 2 |
| 25 | Reference only | Brake lining | 2 |
| 26 | Reference only | Brass rivet | 16 |
| 27 | W1415 | Pivot pad | 2 |
| 28 | W135 | Brake shoe spring | 2 |
| 29 | W1640 | Cable abutment | 1 |

} Not
Serviced
Separately

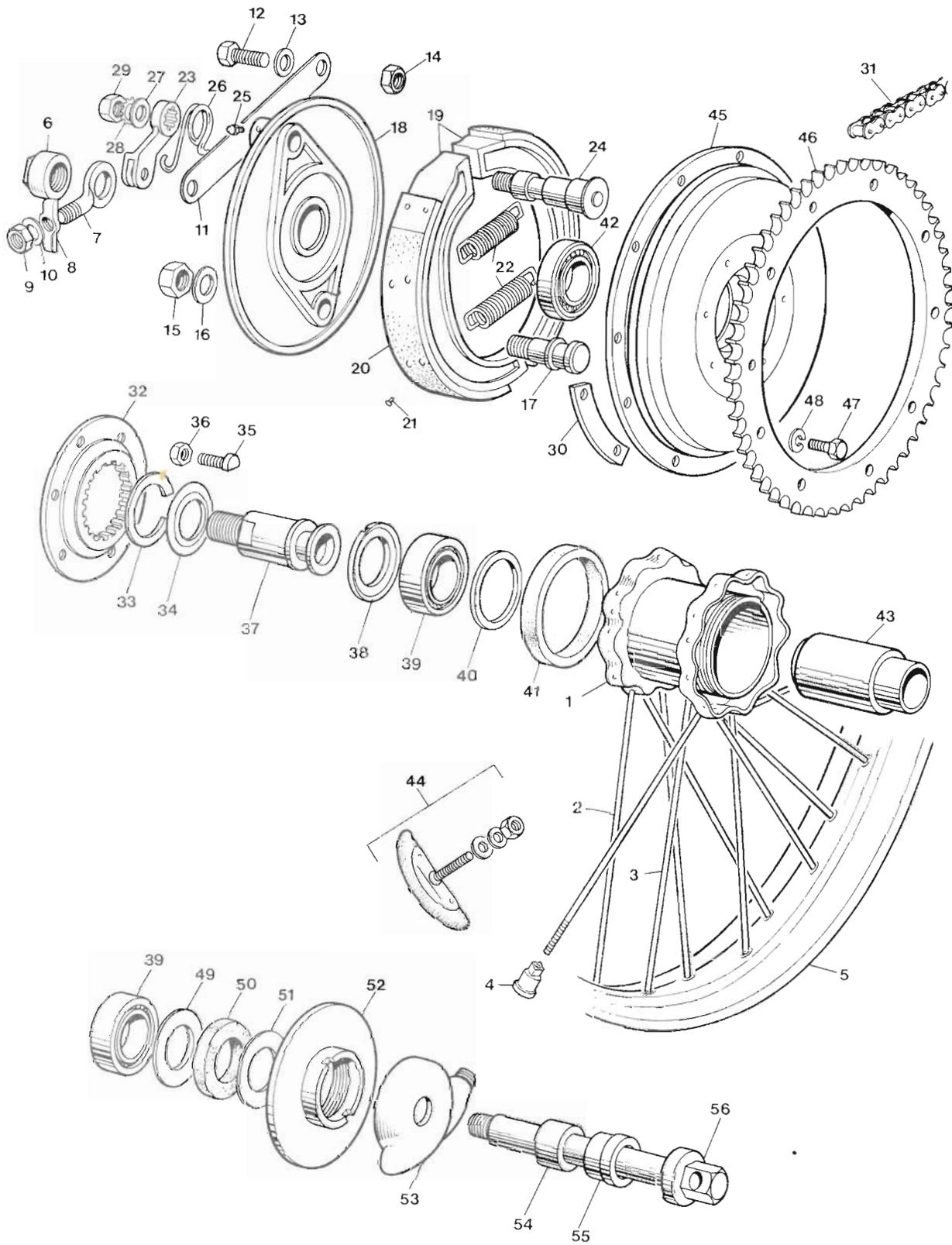


Fig.11 REAR WHEEL

REAR WHEEL

| Ref. No. | Part No. | DESCRIPTION | QUANTITY |
|----------|----------------|---|----------|
| | W2289 | REAR WHEEL COMPLETE (LESS BRAKE AND TYRE) | 1 |
| | W2290 | RIM, HUB AND SPOKES ASSEMBLY | 1 |
| 1 | W2297 | Hub complete | 1 |
| 2 | W2292 | Spoke N/S | 20 |
| 3 | W2293 | Spoke O/S | 20 |
| 4 | W2294 | Nipple | 40 |
| 5 | W2291 | Rim | 1 |
| 6 | W2309 | Fixed spindle nut | 1 |
| 7 | W2339 | Chain adjuster | 2 |
| 8 | W1015 | Chain adjuster end cap | 2 |
| 9 | E8137 | Adjuster nut | 2 |
| 10 | E8088 | Adjuster washer | 2 |
| 11 | W2335 | Torque stay | 1 |
| 12 | W2336 | Bolt (1 $\frac{5}{16}$ in. U.H.) | 1 |
| 13 | W2337 | Washer | 1 |
| 14 | F9085 | Nut | 1 |
| 15 | W2325 | Fulcrum pin nut | 1 |
| 16 | W2324 | Fulcrum pin washer | 1 |
| 17 | W2323 | Fulcrum pin | 1 |
| 18 | W2322 | Brake anchor plate | 1 |
| 19 | W2327 | BRAKE SHOE COMPLETE WITH LINING | 2 |
| 20 | Reference only | Brake lining | 2 |
| 21 | Reference only | Brass rivet | 14 |
| 22 | W2328 | Brake shoe spring | 2 |
| 23 | W2329 | Brake cam lever | 1 |
| 24 | W2226 | BRAKE CAM | 1 |
| 25 | W2326 | Grease nipple | 1 |
| 26 | W2334 | Brake lever return spring | 1 |
| 27 | W2330 | Plain washer | 1 |
| 28 | W2331 | Shakeproof washer | 1 |
| 29 | W2332 | Nut | 1 |
| 30 | W2317 | Locking plate | 3 |
| 31 | D1025† | Rear Chain ($\frac{5}{8} \times \frac{1}{4} \times 102L$) | 1 |
| 32 | W2314 | Driving Flange | 1 |
| 33 | W2312 | Bearing circlip | 1 |
| 34 | W2311 | Bearing Shim | 1 |
| 35 | W2315 | Bolt | 6 |
| 36 | W2316 | Nut | 6 |
| 37 | W2308 | Fixed spindle | 1 |
| 38 | W2305 | Bearing retainer | 1 |
| 39 | W2298 | Bearing | 2 |
| 40 | W2299 | Thrust washer | 1 |
| 41 | W2313 | Washer | 1 |
| 42 | W2310 | Bearing | 1 |
| 43 | W2300 | Spindle sleeve | 1 |
| 44 | W2295 | Security bolt | 2 |
| 45 | W2318 | Brake drum | 1 |
| 46 | W2354* | Chainwheel (52T) | 1 |
| 47 | W2319 | Chainwheel bolt | 10 |
| 48 | W2320 | Spring washer | 10 |
| 49 | W2302 | Inner retainer | 1 |
| 50 | W2301 | Felt washer | 1 |
| 51 | W2303 | Outer retainer | 1 |
| 52 | W2304 | Hub end cover | 1 |
| 53 | D1026 | Speedometer gearbox | 1 |
| 54 | W2306 | Distance collar inner O/S | 1 |
| 55 | W2307 | Distance collar outer O/S | 1 |
| 56 | W2333 | Hub spindle | 1 |

Not Serviced Separately

†Early editions have 99 Link chain D1023

*Early editions have 49T chainwheel 41-6091

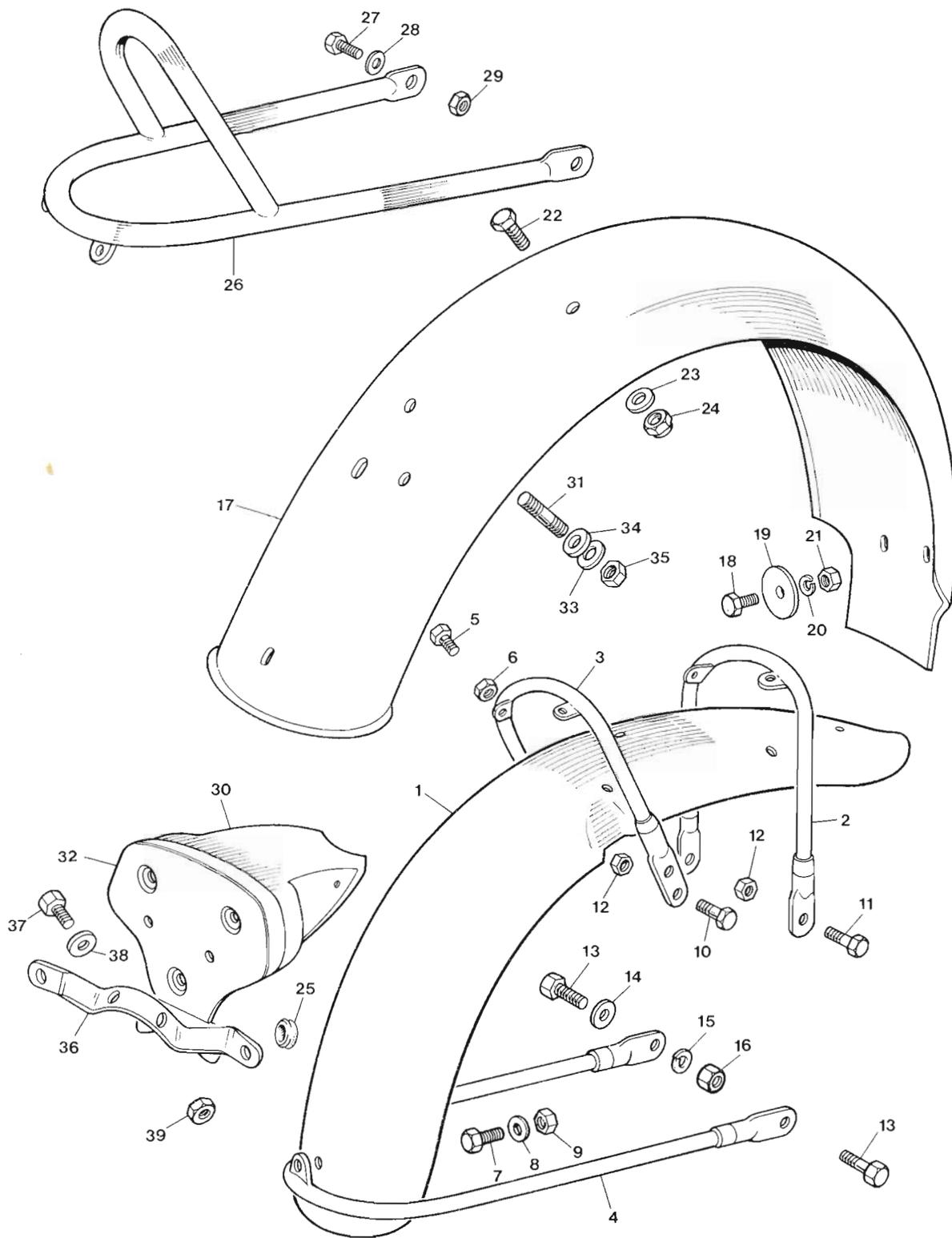


Fig.12 FENDERS

FENDERS

| Ref. No. | Part No. | Description | Quantity |
|----------|----------|----------------------------------|----------|
| 1 | F9016 | Front fender | 1 |
| 2 | H3619 | Front stay | 1 |
| 3 | H3621 | Bridge stay | 1 |
| 4 | H3623 | Bottom Stay | 1 |
| 5 | F9019 | Bolt ($\frac{1}{2}$ in. U.H.) | 4 |
| 6 | F9068 | Nut | 4 |
| 7 | F9029 | Bolt | 1 |
| 8 | E8088 | Washer | 1 |
| 9 | W1691 | Nut | 1 |
| 10 | F9017 | Bolt ($\frac{7}{8}$ in. U.H.) | 2 |
| 11 | F9088 | Bolt ($1\frac{1}{32}$ in. U.H.) | 2 |
| 12 | W1691 | Nut | 4 |
| 13 | F8991 | Bolt | 2 |
| 14 | E8088 | Plain washer | 2 |
| 15 | E8134 | Spring washer | 2 |
| 16 | F9026 | Nut | 2 |
| 17 | F9506 | Rear fender | 1 |
| 18 | F9019 | Bolt ($\frac{1}{2}$ in. U.H.) | 2 |
| 19 | F9027 | Special washer | 2 |
| 20 | F9020 | Spring washer | 2 |
| 21 | F879 | Nut | 2 |
| 22 | F9023 | Bolt ($\frac{11}{16}$ in. U.H.) | 2 |
| 23 | E8088 | Washer | 2 |
| 24 | E8137 | Nut | 2 |
| 25 | F9028 | Wiring grommet | 2 |
| 26 | F9481 | Rear fender support rail | 1 |
| 27 | F9023 | Bolt ($\frac{11}{16}$ in. U.H.) | 2 |
| 28 | E8088 | Washer | 2 |
| 29 | W1691 | Nut | 2 |
| 30 | F8139 | Tail lamp support | 1 |
| 31 | E2980 | Stud ($\frac{5}{16}$ in. O.A.) | 1 |
| 32 | F9132 | Support plate | 1 |
| 33 | S25-1 | Washer | 1 |
| 34 | F9030 | Spacer | 1 |
| 35 | F9068 | Nut | 1 |
| 36 | F9198 | Rear number plate bracket | 2 |
| 37 | F9019 | Bolt ($\frac{1}{2}$ in. U.H.) | 4 |
| 38 | S25-1 | Washer | 4 |
| 39 | E8071 | Nut | 4 |

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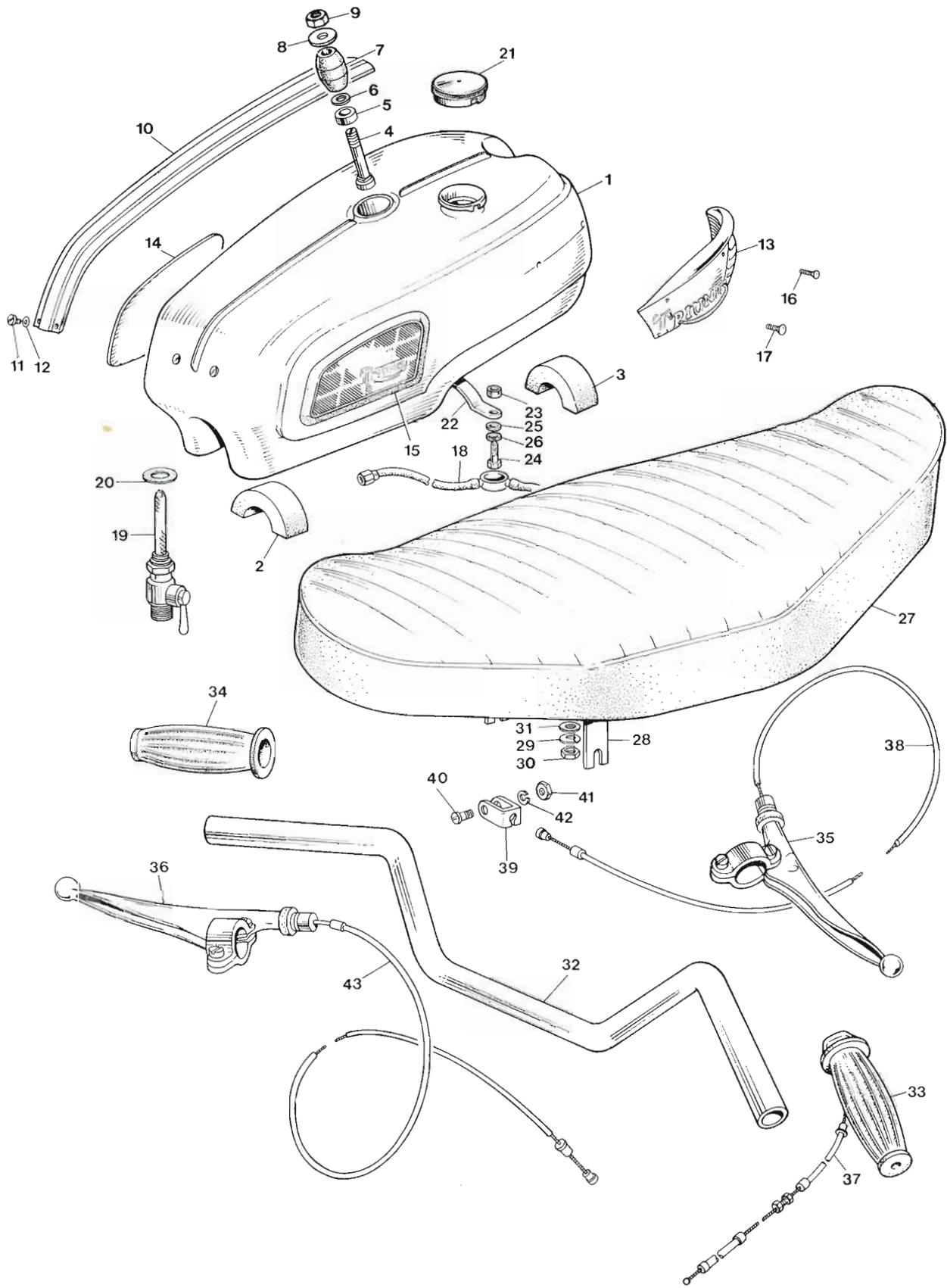


Fig.13 GAS TANK, TWIN SEAT AND HANDLEBARS

GAS TANK, TWIN SEAT AND HANDLEBARS

| | | | |
|----|---------|----------------------------|---|
| 1 | F9479 | Gas tank | 1 |
| 2 | F9061 | Mounting rubber—rear | 1 |
| 3 | F9134 | Mounting rubber—front | 1 |
| 4 | S1824 | Bolt | 1 |
| 5 | F9063 | Distance tube | 2 |
| 6 | E8088 | Plain washer | 1 |
| 7 | F9064 | Mounting rubber | 1 |
| 8 | F9065 | Plain washer | 2 |
| 9 | 14-0302 | Nut | 1 |
| 10 | F9480 | Trim strip | 1 |
| 11 | F4715 | Screw | 2 |
| 12 | H430 | Washer | 2 |
| 13 | F6888 | Styling unit T/S | 1 |
| 13 | F6887 | Styling unit D/S | 1 |
| 14 | F8192 | Knee grip D/S | 1 |
| 15 | F8193 | Knee grip T/S | 1 |
| 16 | F4129 | Styling unit screw—front | 2 |
| 17 | F7888 | Styling unit screw—rear | 2 |
| 18 | F9769 | Gas pipe | 1 |
| 19 | F4971 | Gas tap—Short | 1 |
| 19 | F4972 | Gas tap—long | 1 |
| 20 | E7351 | Gas tap washer | 2 |
| 21 | F9226 | Filler cap | 1 |
| 22 | F9744 | Tie bar | 1 |
| 23 | F9196 | Spacer | 2 |
| 24 | S5662 | Bolt | 2 |
| 25 | E8088 | Plain washer | 2 |
| 26 | W2320 | Spring washer | 2 |
| 27 | F9472 | Twin seat | 1 |
| 28 | F9476 | Rear fixing bracket | 1 |
| 29 | F9020 | Spring washer | 2 |
| 30 | E8101 | Nut | 2 |
| 31 | S602 | Plain washer | 2 |
| 32 | H2628 | Handlebar—Western type | 1 |
| 33 | D957 | Throttle twist grip | 1 |
| 34 | D959 | Dummy grip | 1 |
| 35 | D960 | Front brake control | 1 |
| 36 | D961 | Clutch control | 1 |
| 37 | D962 | Throttle cable | 1 |
| 38 | D862 | Front brake cable | 1 |
| 39 | D963 | Cable toggle | 1 |
| 40 | D964 | Screw | 1 |
| 41 | F9020 | Spring washer | 1 |
| 42 | D965 | Nut | 1 |
| 43 | D966 | Clutch cable | 1 |

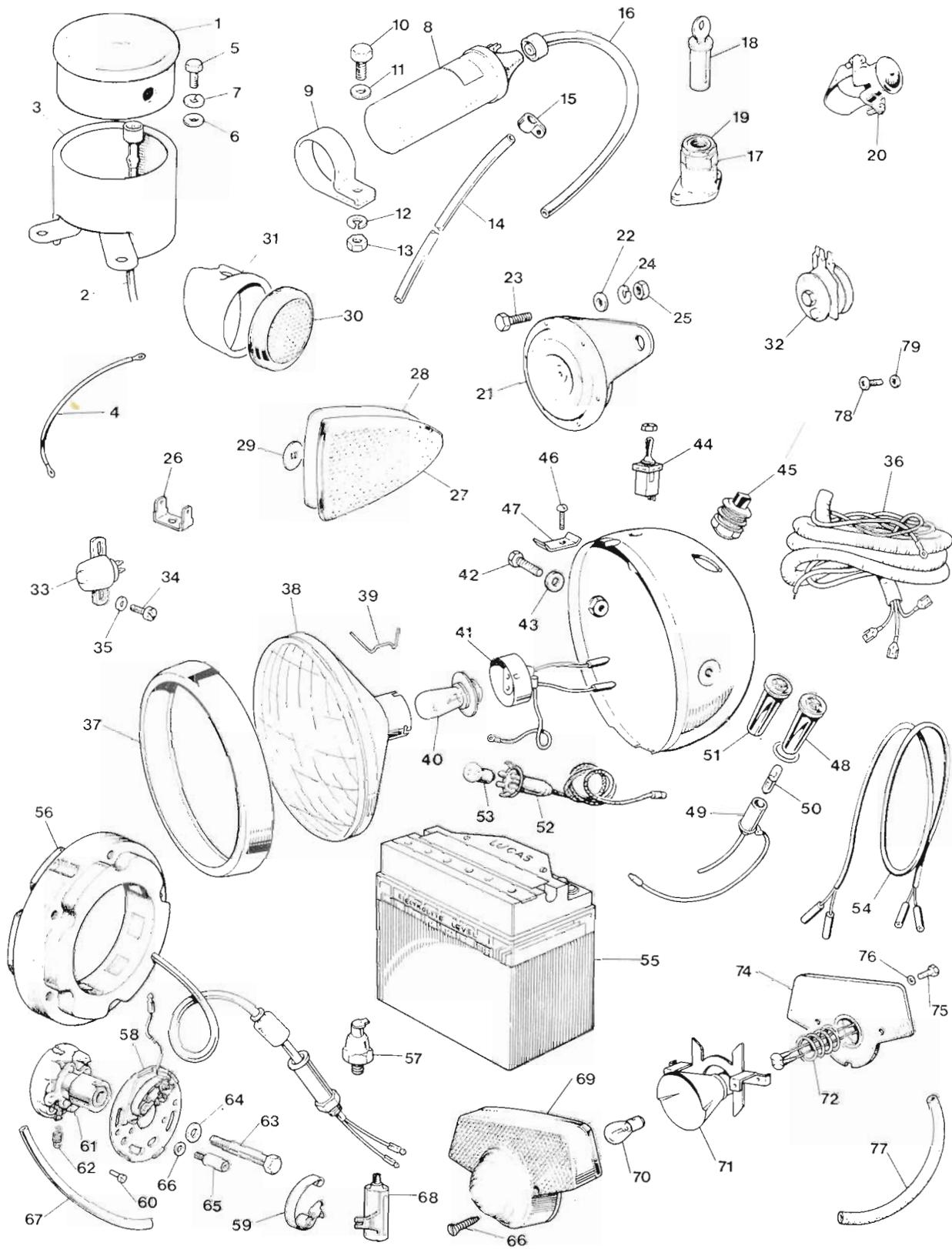


Fig.14 ELECTRICAL EQUIPMENT

ELECTRICAL EQUIPMENT

| | | | | | | | | | | |
|----|---------|--------------------------------|-----|-----|-----|-----|-----|-----|-----|---|
| 1 | D1926 | Speedometer head—M.P.H. | ... | ... | ... | ... | ... | ... | ... | 1 |
| 2 | D962 | Speedometer cable | ... | ... | ... | ... | ... | ... | ... | 1 |
| 3 | H3626 | Mounting cup | ... | ... | ... | ... | ... | ... | ... | 1 |
| 4 | D1951 | Speedometer lead | ... | ... | ... | ... | ... | ... | ... | 1 |
| 5 | F9091 | Bolt | ... | ... | ... | ... | ... | ... | ... | 2 |
| 6 | E8072 | Washer | ... | ... | ... | ... | ... | ... | ... | 2 |
| 7 | E8102 | Spring washer | ... | ... | ... | ... | ... | ... | ... | 2 |
| 8 | D986 | Coil (45110) | ... | ... | ... | ... | ... | ... | ... | 1 |
| 9 | F9123 | Coil support clip | ... | ... | ... | ... | ... | ... | ... | 1 |
| 10 | F9131 | Bolt ($\frac{5}{8}$ in. U.H.) | ... | ... | ... | ... | ... | ... | ... | 1 |
| 11 | S602 | Washer | ... | ... | ... | ... | ... | ... | ... | 1 |
| 12 | F4374 | Distance piece | ... | ... | ... | ... | ... | ... | ... | 1 |
| 13 | E8071 | Nut | ... | ... | ... | ... | ... | ... | ... | 1 |
| 14 | D980 | Battery vent pipe | ... | ... | ... | ... | ... | ... | ... | 1 |
| 15 | D981 | Vent pipe clip | ... | ... | ... | ... | ... | ... | ... | 1 |
| 16 | D997 | H.T. lead | ... | ... | ... | ... | ... | ... | ... | 1 |
| 17 | D989 | Ignition switch | ... | ... | ... | ... | ... | ... | ... | 1 |
| 18 | D1000 | Ignition lock | ... | ... | ... | ... | ... | ... | ... | 1 |
| 19 | 99-1000 | Ignition switch nut (54130041) | ... | ... | ... | ... | ... | ... | ... | 1 |
| 20 | D994 | Horn push | ... | ... | ... | ... | ... | ... | ... | 1 |
| 21 | D992 | Horn | ... | ... | ... | ... | ... | ... | ... | 1 |
| 22 | E8191 | Washer | ... | ... | ... | ... | ... | ... | ... | 1 |
| 23 | F5535 | Bolt | ... | ... | ... | ... | ... | ... | ... | 1 |
| 24 | E8084 | Washer | ... | ... | ... | ... | ... | ... | ... | 1 |
| 25 | E8194 | Nut | ... | ... | ... | ... | ... | ... | ... | 1 |
| 26 | D996 | Double Lucar blade | ... | ... | ... | ... | ... | ... | ... | 1 |
| 27 | F8273 | Rear reflector | ... | ... | ... | ... | ... | ... | ... | 2 |
| 28 | F8140 | Rubber washer | ... | ... | ... | ... | ... | ... | ... | 2 |
| 29 | F8195 | Push-on fix | ... | ... | ... | ... | ... | ... | ... | 4 |
| 30 | F8286 | Front reflector | ... | ... | ... | ... | ... | ... | ... | 2 |
| 31 | F8349 | Reflector bracket | ... | ... | ... | ... | ... | ... | ... | 2 |
| 32 | D1950 | Rectifier | ... | ... | ... | ... | ... | ... | ... | 1 |
| 33 | D990 | Stop switch | ... | ... | ... | ... | ... | ... | ... | 1 |
| 34 | F9191 | Screw | ... | ... | ... | ... | ... | ... | ... | 2 |
| 35 | F8979 | Washer | ... | ... | ... | ... | ... | ... | ... | 2 |
| 36 | 99-1001 | Harness (54953550) | ... | ... | ... | ... | ... | ... | ... | 1 |
| | 99-1002 | HEADLAMP ASSEMBLY (59881) | ... | ... | ... | ... | ... | ... | ... | 1 |
| 37 | 99-0691 | Rim (534343) | ... | ... | ... | ... | ... | ... | ... | 1 |
| 38 | 99-0688 | Light unit (516828) | ... | ... | ... | ... | ... | ... | ... | 1 |
| 39 | 99-0683 | Fixing wire (504665) | ... | ... | ... | ... | ... | ... | ... | 6 |
| 40 | 99-0545 | Bulb (446) | ... | ... | ... | ... | ... | ... | ... | 1 |
| 41 | 99-1003 | Adaptor c/w leads (54520540) | ... | ... | ... | ... | ... | ... | ... | 2 |
| 42 | 99-1004 | Bolt (112201) | ... | ... | ... | ... | ... | ... | ... | 2 |
| 43 | 99-1005 | Washer (137498) | ... | ... | ... | ... | ... | ... | ... | 2 |

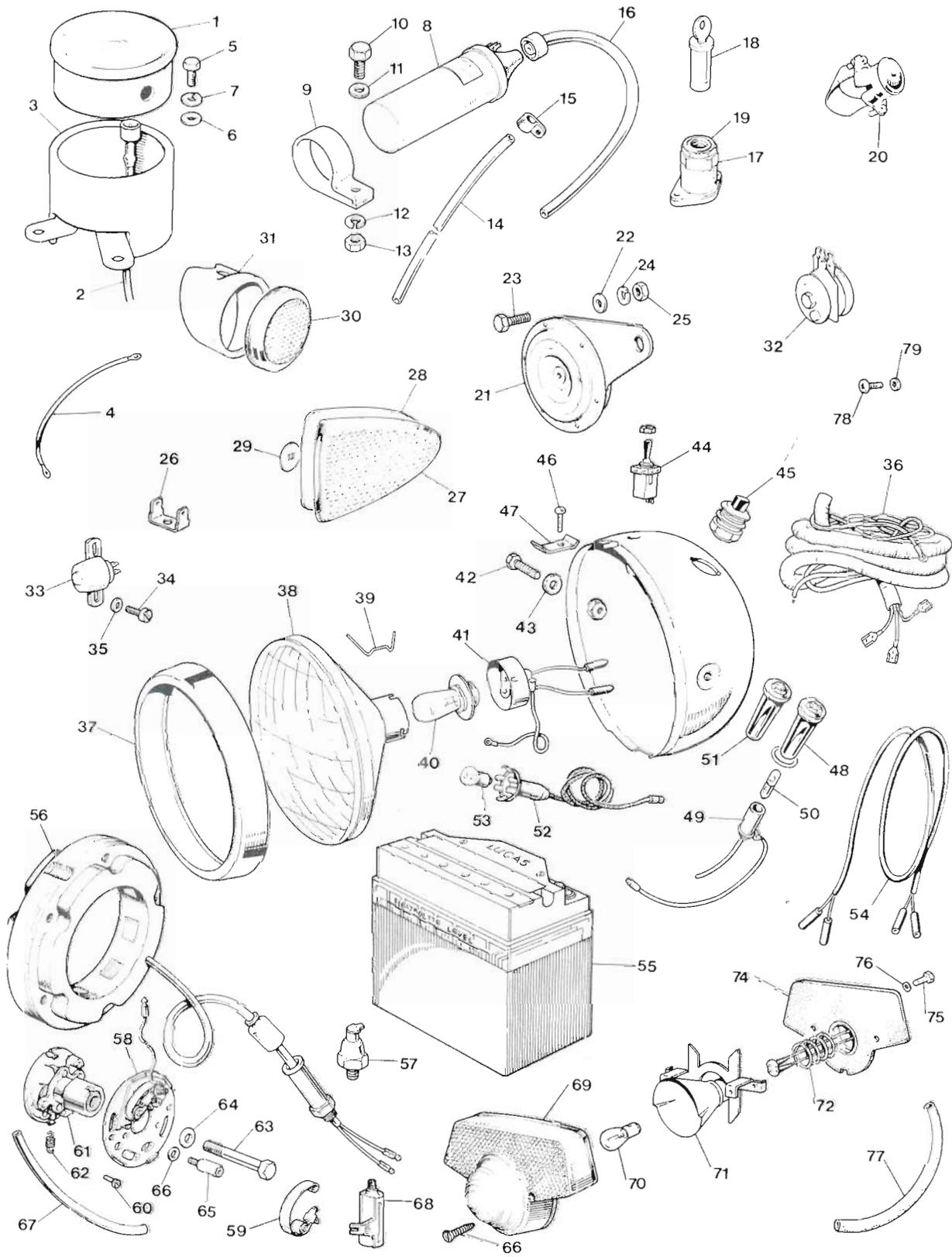
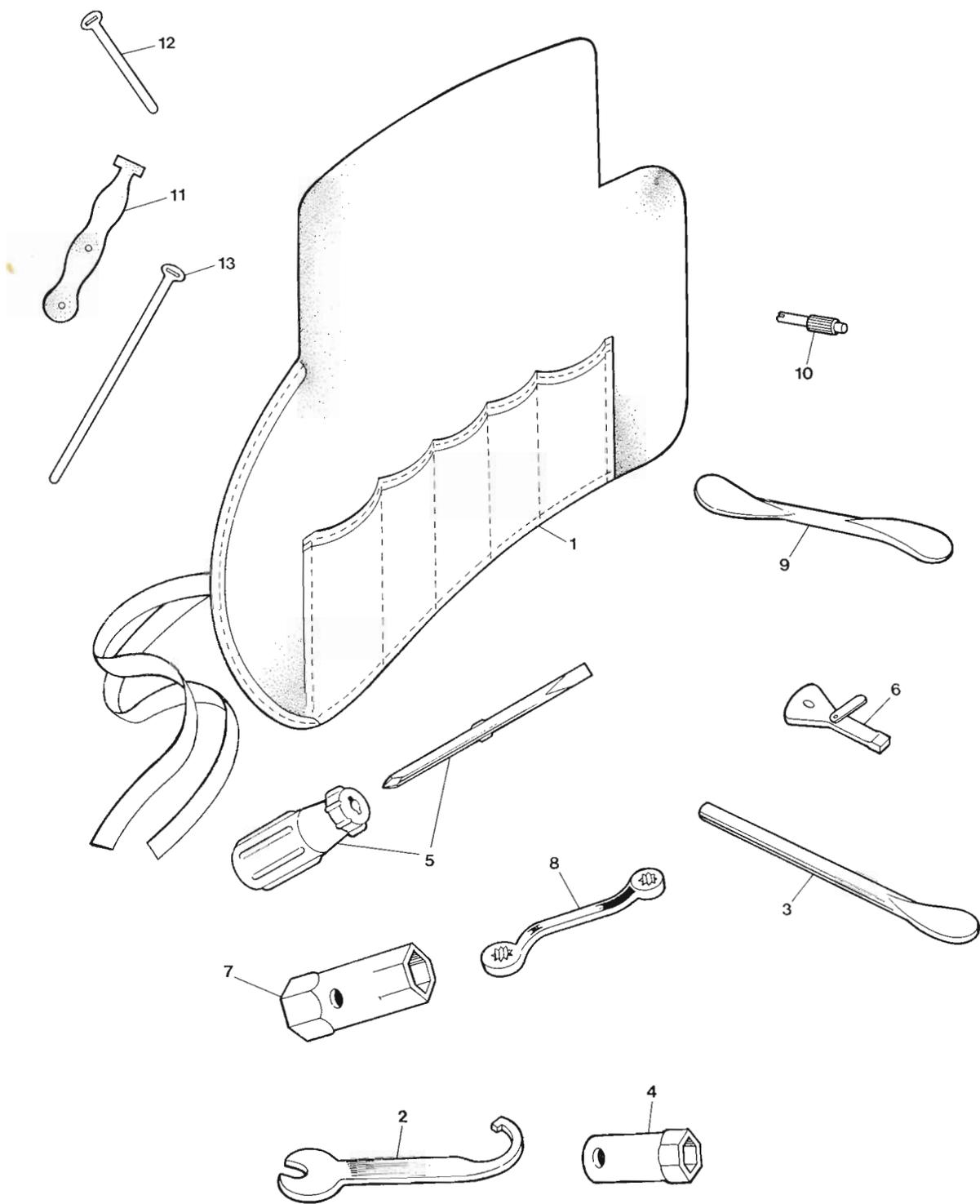


Fig.14 ELECTRICAL EQUIPMENT

ELECTRICAL EQUIPMENT

| | | | |
|----|----------|--|----------------|
| 44 | 99-0563 | Lighting switch (35710) | 1 |
| 45 | 99-0556 | Dip switch (31620) | 1 |
| 46 | 144921 | Screw | Reference only |
| 47 | 55408 | Plate | Reference only |
| 48 | 99-0568 | Warning light (Red) | 1 |
| 49 | 54945043 | Warning bulbholder | Reference only |
| 50 | 99-0537 | Bulb (2W BA75) (281) | 2 |
| 51 | 99-0569 | Warning light (Green) (38191) | 1 |
| 52 | 99-0695 | Pilot bulbholder (554710) | 1 |
| 53 | 99-0548 | Pilot bulb (989) | 1 |
| 54 | F8314 | Stop-tail lead | Reference only |
| 55 | D988 | Battery | 1 |
| 56 | 99-1006 | Stator (47205) | 1 |
| 57 | D987 | Zener diode | 1 |
| 58 | 99-1008 | CONTACT BREAKER (54419645) | 1 |
| 59 | 99-0072 | Points set (54419827) | 2 |
| 60 | 99-0769 | Adjusting pin (54419220) | 2 |
| 61 | 99-1007 | AUTO ADVANCE UNIT (54419653) | 1 |
| 62 | 99-1011 | Spring set (54417992) | 1 |
| 63 | E7831 | Contact breaker bolt | 1 |
| 64 | E8163 | Washer | 1 |
| 65 | E4747 | Pillar bolt | 2 |
| 66 | E8164 | Washer | 2 |
| 67 | E8166 | Contact breaker lead sleeve | 1 |
| 68 | D995 | Condenser | 1 |
| | D991 | STOP AND TAIL LAMP ASSEMBLY (53973) | 1 |
| 69 | 99-0781 | Lens (54572932) | 1 |
| 70 | 99-0698 | Screw (572289) | 2 |
| 71 | 54574348 | Bulbholder with reflector | Reference only |
| 72 | 573828 | Contact assy. | Reference only |
| 73 | 99-0542 | Bulb (6/21W offset pin) (380) | 1 |
| 74 | 99-0780 | Gasket (54571677) | 1 |
| 75 | F4715 | Screw | 2 |
| 76 | GS299 | Washer | 2 |
| 77 | F8307 | Stop and tail lamp lead tube | 1 |
| 78 | F4715 | Screw | 2 |
| 79 | GS299 | Washer | 2 |



TOOL KIT

| | | | | | | | | | |
|----|------|---|-----|-----|-----|-----|-----|-----|---|
| | D967 | TOOLROLL COMPLETE WITH TOOLS | ... | ... | ... | ... | ... | ... | 1 |
| 1 | D969 | Toolroll | ... | ... | ... | ... | ... | ... | 1 |
| 2 | D968 | Damper unit and rear chain adjuster spanner | ... | ... | ... | ... | ... | ... | 1 |
| 3 | D801 | Combined tyre lever and tommy bar | ... | ... | ... | ... | ... | ... | 1 |
| 4 | D970 | Plug spanner | ... | ... | ... | ... | ... | ... | 1 |
| 5 | D767 | Screwdriver set | ... | ... | ... | ... | ... | ... | 1 |
| 6 | D975 | Screwdriver | ... | ... | ... | ... | ... | ... | 1 |
| 7 | D971 | Box spanner | ... | ... | ... | ... | ... | ... | 1 |
| 8 | D972 | Ring spanner | ... | ... | ... | ... | ... | ... | 1 |
| 9 | D973 | Tyre lever | ... | ... | ... | ... | ... | ... | 1 |
| 10 | D974 | Tyre valve key | ... | ... | ... | ... | ... | ... | 1 |
| 11 | D977 | Rubber cable clip | ... | ... | ... | ... | ... | ... | 9 |
| 12 | D978 | Alum. cable clip | ... | ... | ... | ... | ... | ... | 4 |
| 13 | XA69 | Alum. cable clip | ... | ... | ... | ... | ... | ... | 3 |

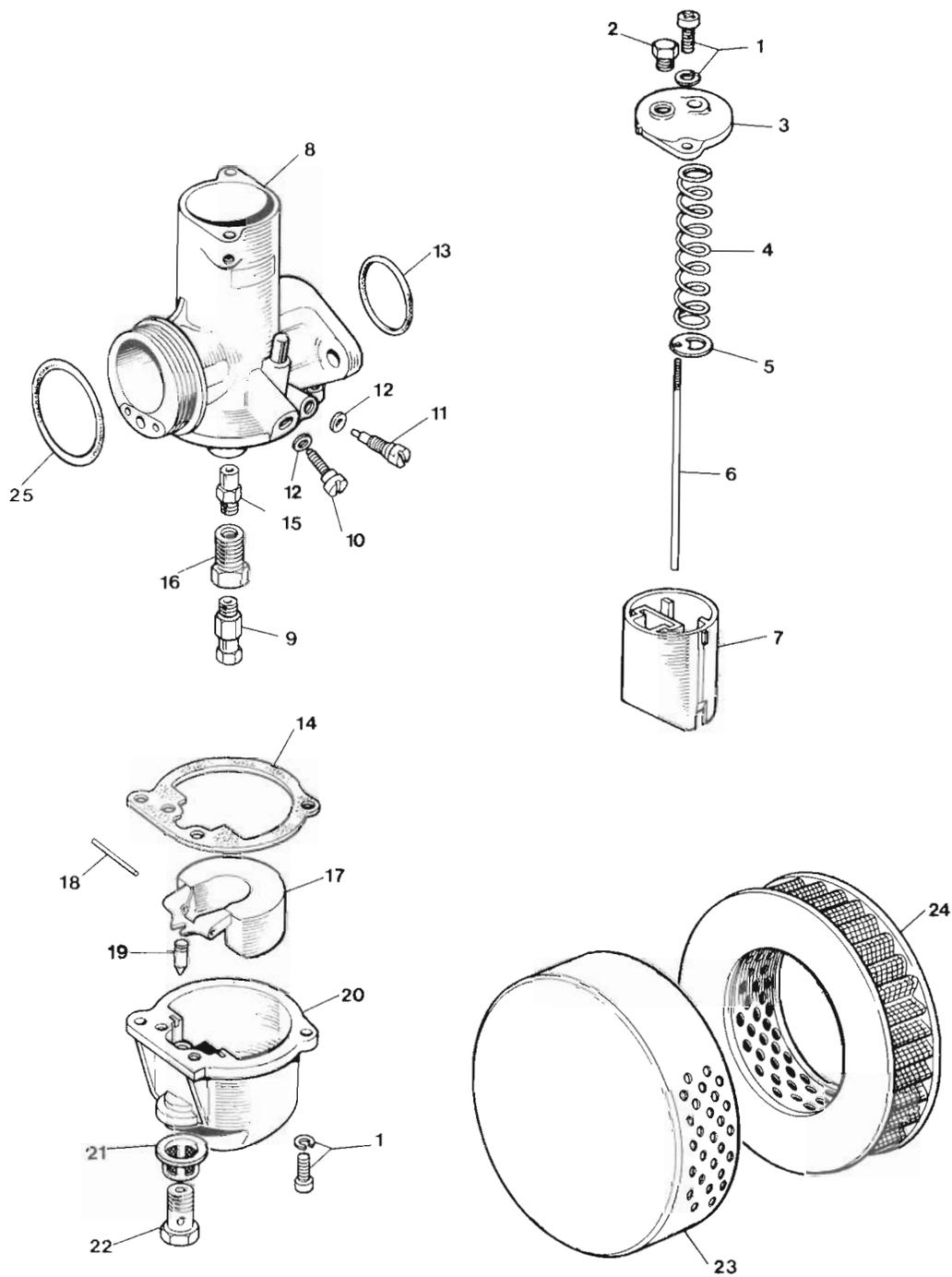


Fig.16 CARBURETTOR

CARBURETTOR

| Ref. No. | Part No. | DESCRIPTION | QUANTITY |
|----------|----------|--------------------------------------|----------|
| | 99-0019 | CARBURETTOR COMPLETE (R92814) | 1 |
| 1 | 99-0521 | Screw and washer (622-086) | 4 |
| 2 | 99-0221 | Plug screw (4-137A) | 1 |
| 3 | 99-0531 | Top cap (928-097) | 1 |
| 4 | 99-0507 | Throttle spring (622-061) | 1 |
| 5 | 99-0510 | Circlip (622-067) | 1 |
| 6 | 99-0529 | Needle (928-063) | 1 |
| 7 | 99-0527 | Throttle valve (3) (928-060) | 1 |
| 8 | 99-1010 | Body (R928/005) | 1 |
| 9 | 376-100 | Main jet (170) | 1 |
| 10 | 99-0516 | Throttle stop screw (622-077) | 1 |
| 11 | 99-0515 | Pilot air screw (622-076) | 1 |
| 12 | 99-0520 | 'O'-ring (622-082) | 2 |
| 13 | 99-0522 | 'O' ring (622-101) | 1 |
| 14 | 622-073 | Gasket | 1 |
| 15 | 99-0518 | Needle jet (.106) (99-0518) | 1 |
| 16 | 99-0519 | Jet holder (622-080) | 1 |
| 17 | 99-0512 | Float (622-069) | 1 |
| 18 | 99-0513 | Float spindle (622-071) | 1 |
| 19 | 99-0511 | Float needle (622-068) | 1 |
| 20 | 99-0506 | Float chamber (622-050) | 1 |
| 21 | 376-093 | Filter | 1 |
| 22 | 99-0517 | Banjo bolt (622-078) | 1 |
| 23 | F9000 | AIR CLEANER COMPLETE | 1 |
| 24 | F9194 | Air cleaner element | 1 |
| 25 | F9001 | 'O' ring | 1 |