

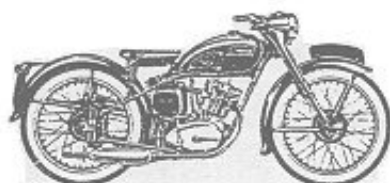
# REPLACEMENT PARTS

for the

TRIUMPH  
*Terrier*

TRIUMPH  
TIGER CUB

AND



150 cc O.H.V.



200 cc O.H.V.

From Engine No. 17389

TRIUMPH

THE BEST MOTOR CYCLE IN THE WORLD

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Triumph Engineering Co. Ltd., Meriden Works, Allesley, Coventry.  
Tel. Meriden 331 Ref. 295/56 Published June 1956

## PREFACE

**B**EFORE ordering parts for your machine, please read very carefully the instructions contained in the next paragraph. In many cases the information given in the order is insufficient to enable us to identify the customers' requirements with certainty. Delay is frequently occasioned by our having to refer the order back for further particulars before we can supply.

**HOW TO ORDER.** Every part is indicated by a number and this should be quoted together with the description. In order to assist customers, parts where possible have been listed in order of assembly and exploded illustrations show the assembly order also. By each illustration, is an index quoting the part numbers of the various items and a cross reference to enable the customer to recognise the part by description (See page 58 for further details). With these aids there should be no difficulty in identifying the parts you require. Always quote the engine number and prefix letter stamped on the front engine fixing lug. Always use a separate sheet of writing paper for your order if you are sending a letter as well.

### SPECIMEN ORDER

To Triumph Engineering Co. Ltd.,  
Spares Department,  
Meriden Works,  
Allesley,  
Coventry.

2/6/56

Engine No. T.15-18462

Please supply :—

1 — GST15/55 — Gasket Set  
1 — E3146 — Valve, Inlet

\* Send C.O.D.

Wm. Smith,  
1a, Ewell Avenue,  
Ewell, Surrey.

\* For terms of business see page 3

**TELEGRAPHIC ORDERS.** Orders by telegram should be addressed to "Trusty 60221 Coventry." They are then telephoned to us, which prevents delay in delivery. It is only necessary to quote part numbers in telegraphic orders, the description can be omitted.

**PATTERNS AND PARTS FOR REPAIR.** It is not necessary to send patterns if the part number is quoted. The sending of patterns often delays the order as parcel post or rail takes longer than letter post.



Parts sent to Coventry for repair, replacement or as patterns, should bear the sender's name and address and clear instructions should accompany the parts. All parts must be forwarded carriage paid and care should be taken to ensure that all remittances are sent separately and not enclosed with the parts. Fragile units such as cylinders, etc., should always be boxed to avoid damage in transit. Complete machines should have all fitments such as horns, driving mirrors, tools, etc., removed by the sender before despatch, as it is impossible for us to accept responsibility in the event of loss in transit. We are always pleased to give estimates for overhauls and repairs, but should an estimate not be accepted, a charge will be made covering cost of dismantling and re-assembling, if carried out.

Communications relating to parts should be addressed to the SPARES MANAGER and for repairs, guarantee claims and technical advice to the SERVICE MANAGER.

In order to facilitate quick reference, the quoting of any order number, invoice number or reference from previous communications is of essential importance. **Accessories not of our manufacture should be sent direct to the actual makers, whose names and addresses appear on page 46.**

**WHERE TO OBTAIN.** Triumph Replacement Parts may be obtained from any Triumph Dealer, and we recommend our customers to place their orders with the Triumph Dealer in their district, as we do not normally supply direct. When parts not usually asked for are required, and for which the Dealer may have to wire or obtain specially, the postage or carriage incurred becomes payable.

We are not able to supply Transfers as originally affixed to Triumph Motor Cycles, but we are at all times willing to supply a Transfer denoting that the machine is of genuine Triumph manufacture, providing the Frame and Engine prefix letters and numbers are quoted.

Customers are warned against the risk incurred by purchasing parts which are not of genuine Triumph manufacture. The risk is eliminated if parts are ordered as instructed, either from our recognised Dealers, or direct from the Spares Department, Meriden Works, Allesley, Coventry.

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## TERMS OF BUSINESS

**T**HE most convenient method of paying for spare parts is by the C.O.D. system. By this method you pay the postman for the goods when he delivers them to you. As the minimum C.O.D. collection fee is 10d., only goods to the value of 2/- or over can be sent by this system. We do not despatch goods by rail C.O.D.

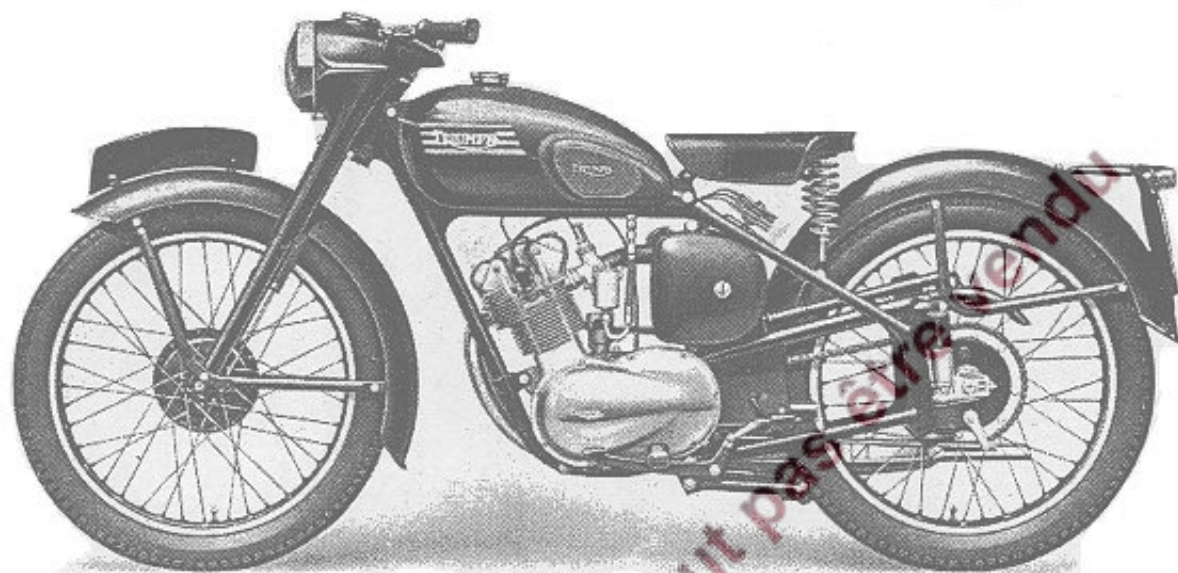
Where goods are not sent C.O.D., cash must accompany the order. All remittances should be made payable to the Triumph Engineering Co., Ltd., and crossed "Barclay's Bank Ltd.", if in the form of Postal Order or Cheque. Letters containing currency notes must be registered.

Should a remittance be forwarded by telegraphic money order, the name and address of the sender must be inserted in the space provided on the Post Office requisition form for a private message from remitter to payee. Unless this is complied with the Post Office omit such information from the telegram and we are not then in a position to trace the sender.

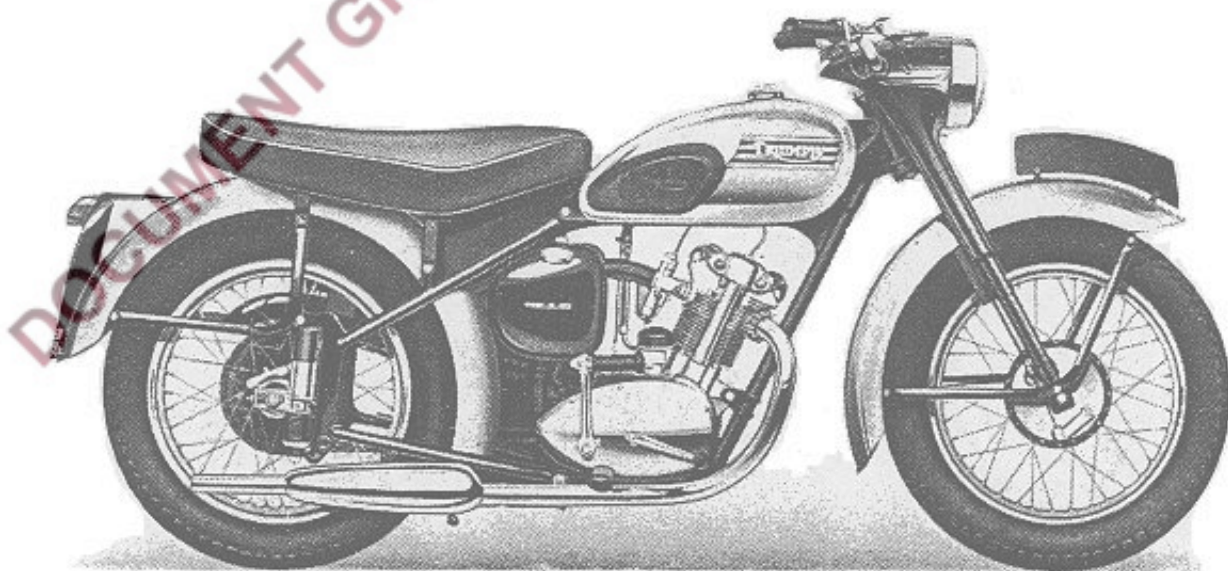
Postage, carriage and packing is charged at 2½% on the value of the goods, minimum charge 6d. Packing boxes, cases, crates, etc., are charged for at cost and are returnable.



TRIUMPH  
*Ferrier*



TRIUMPH  
TIGER CUB





## CARTON PACK — GROUP I

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

| Part No.                |     |    |     | Description and Contents |           |     |                           |
|-------------------------|-----|----|-----|--------------------------|-----------|-----|---------------------------|
| <b>Big End Assembly</b> |     |    |     |                          |           |     |                           |
| CP.148                  | ... | 1  | ... | ...                      | E.3341    | ... | Connecting rod c/w bushes |
|                         |     | 1  | ... | ...                      | E.3414    | ... | Crankpin c/w plug         |
| CP.149                  | ... | 1  | ... | ...                      | E.3343    | ... | Bush, big end             |
| Export only             | ... | 1  | ... | ...                      | E.1762    | ... | Bush, small end           |
|                         |     | 1  | ... | ...                      | E.3414    | ... | Crankpin c/w plug         |
| CP.155                  | ... | 1  | ... | ...                      | E.3624    | ... | Connecting rod c/w bushes |
|                         |     | 1  | ... | ...                      | E.3600    | ... | Crankpin c/w plug         |
| <b>Brake linings</b>    |     |    |     |                          |           |     |                           |
| CP.128                  | ... | 2  | ... | ...                      | W.978     | ... | Linings                   |
|                         |     | 14 | ... | ...                      | W.979     | ... | Rivets                    |
| <b>Piston Assembly</b>  |     |    |     |                          |           |     |                           |
| CP.120                  | ... | 1  | ... | ...                      | E.3148    | ... | Piston body               |
|                         |     | 2  | ... | ...                      | E.3153    | ... | Ring, compression         |
|                         |     | 1  | ... | ...                      | E.3154    | ... | Ring, scraper             |
|                         |     | 1  | ... | ...                      | E.1750    | ... | Pin, gudgeon              |
|                         |     | 2  | ... | ...                      | E.1767    | ... | Circlip                   |
|                         |     |    |     |                          |           |     |                           |
| CP.120/20               | ... | 1  | ... | ...                      | E.3148/20 | ... | Piston body + .020"       |
|                         |     | 2  | ... | ...                      | E.3153/20 | ... | Ring, compression + .020" |
|                         |     | 1  | ... | ...                      | E.3154/20 | ... | Ring, scraper + .020"     |
|                         |     | 1  | ... | ...                      | E.1750    | ... | Pin, gudgeon              |
|                         |     | 2  | ... | ...                      | E.1767    | ... | Circlip                   |
|                         |     |    |     |                          |           |     |                           |
| CP.120/40               | ... | 1  | ... | ...                      | E.3148/40 | ... | Piston body + .040"       |
|                         |     | 2  | ... | ...                      | E.3153/40 | ... | Ring, compression + .040" |
|                         |     | 1  | ... | ...                      | E.3154/40 | ... | Ring, scraper + .040"     |
|                         |     | 1  | ... | ...                      | E.1750    | ... | Pin, gudgeon              |
|                         |     | 2  | ... | ...                      | E.1767    | ... | Circlip                   |
|                         |     |    |     |                          |           |     |                           |
| CP.141                  | ... | 1  | ... | ...                      | E.3358    | ... | Piston body               |
|                         |     | 1  | ... | ...                      | E.3380    | ... | Ring, chrome compression  |
|                         |     | 1  | ... | ...                      | E.656     | ... | Ring, compression         |
|                         |     | 1  | ... | ...                      | E.3387    | ... | Ring, scraper             |
|                         |     | 1  | ... | ...                      | E.1750    | ... | Pin, gudgeon              |
|                         |     | 2  | ... | ...                      | E.1767    | ... | Circlip, gudgeon pin      |
|                         |     |    |     |                          |           |     |                           |

# GROUP 1 — CARTON PACK

| Part No.                          |     |    |     | Description and Contents |     |     |                                |
|-----------------------------------|-----|----|-----|--------------------------|-----|-----|--------------------------------|
| CP.141/20                         | ... | 1  | ... | E3358/20                 | ... | ... | Piston body + .020"            |
|                                   |     | 1  | ... | E3380/20                 | ... | ... | Ring, chrome compression       |
|                                   |     | 1  | ... | E656/20                  | ... | ... | Ring, compression + .020"      |
|                                   |     | 1  | ... | E3387/20                 | ... | ... | Ring, scraper + .020"          |
|                                   |     | 1  | ... | E1750                    | ... | ... | Pin, gudgeon                   |
|                                   |     | 2  | ... | E1767                    | ... | ... | Circlip, gudgeon pin           |
| CP.141/40                         | ... | 1  | ... | E3358/40                 | ... | ... | Piston body + .040"            |
|                                   |     | 1  | ... | E3380/40                 | ... | ... | Ring, chrome compression       |
|                                   |     | 1  | ... | E656/40                  | ... | ... | Ring, compression + .040"      |
|                                   |     | 1  | ... | E3387/40                 | ... | ... | Ring, scraper + .040"          |
|                                   |     | 1  | ... | E1750                    | ... | ... | Pin, gudgeon                   |
|                                   |     | 2  | ... | E1767                    | ... | ... | Circlip, gudgeon pin           |
| <b>Piston Rings</b>               |     |    |     |                          |     |     |                                |
| CP.121                            | ... | 2  | ... | E3153                    | ... | ... | Ring, compression              |
|                                   |     | 1  | ... | E3154                    | ... | ... | Ring, scraper                  |
| CP.121/20                         | ... | 2  | ... | E3153/20                 | ... | ... | Ring, compression + .020"      |
|                                   |     | 1  | ... | E3154/20                 | ... | ... | Ring, scraper + .020"          |
| CP.121/40                         | ... | 2  | ... | E3153/40                 | ... | ... | Ring, compression + .040"      |
|                                   |     | 1  | ... | E3154/40                 | ... | ... | Ring, scraper + .040"          |
| CP.150                            | ... | 1  | ... | E3380                    | ... | ... | Ring, chrome compression       |
|                                   |     | 1  | ... | E656                     | ... | ... | Ring, compression              |
|                                   |     | 1  | ... | E3387                    | ... | ... | Ring, scraper                  |
| CP.150/20                         | ... | 1  | ... | E3380/20                 | ... | ... | Ring, chrome compression       |
|                                   |     | 1  | ... | E656/20                  | ... | ... | Ring, compression              |
|                                   |     | 1  | ... | E3387/20                 | ... | ... | Ring, scraper                  |
| CP.150/40                         | ... | 1  | ... | E3380/40                 | ... | ... | Ring, chrome compression       |
|                                   |     | 1  | ... | E656/40                  | ... | ... | Ring, compression              |
|                                   |     | 1  | ... | E3387/40                 | ... | ... | Ring, scraper                  |
| <b>Rear Suspension Spring Set</b> |     |    |     |                          |     |     |                                |
| CP.130                            | ... | 2  | ... | F3425                    | ... | ... | Spring, main                   |
|                                   |     | 2  | ... | F3426                    | ... | ... | Spring, rebound                |
| <b>Steering Races</b>             |     |    |     |                          |     |     |                                |
| CP.129                            | ... | 2  | ... | H835                     | ... | ... | Cup, steering race             |
|                                   |     | 2  | ... | H833                     | ... | ... | Cone, steering race            |
|                                   |     | 30 | ... | S70-3                    | ... | ... | Ball, steering race            |
| <b>Valves</b>                     |     |    |     |                          |     |     |                                |
| CP.124                            | ... | 1  | ... | E3146                    | ... | ... | Valve, inlet                   |
|                                   |     | 1  | ... | E3147                    | ... | ... | Valve, exhaust                 |
| <b>Valve Guides</b>               |     |    |     |                          |     |     |                                |
| CP.122                            | ... | 2  | ... | E3208                    | ... | ... | Valve guide, inlet and exhaust |
|                                   |     | 2  | ... | E3209                    | ... | ... | Circlip                        |
| <b>Valve Springs</b>              |     |    |     |                          |     |     |                                |
| CP.123                            | ... | 2  | ... | E3214                    | ... | ... | Spring, valve inner            |
|                                   |     | 2  | ... | E3215                    | ... | ... | Spring, valve outer            |

For Indexes see Pages 55 to 58



## GROUP 2 — ENGINE

| REF. No.                              | PART No. | DESCRIPTION                                                 | QUANTITY   |            |
|---------------------------------------|----------|-------------------------------------------------------------|------------|------------|
| <b>VALVES, GUIDES, SPRINGS, ETC.</b>  |          |                                                             | <b>T15</b> | <b>T20</b> |
| 1                                     | E3146    | Valve, inlet ... ..                                         | 1          | 1          |
| 2                                     | E3147    | Valve, exhaust ... ..                                       | 1          | 1          |
| 3                                     | E3208    | Guide, inlet and exhaust ... ..                             | 2          | 2          |
| 4                                     | E3209    | Circlip, inlet and exhaust guide ... ..                     | 2          | 2          |
| 5                                     | E3214    | Spring, valve inner ... ..                                  | 2          | 2          |
| 6                                     | E3215    | Spring, valve outer ... ..                                  | 2          | 2          |
| 7                                     | E3301    | Collar, valve spring top ... ..                             | 2          | 2          |
| 8                                     | E3213    | Cup, valve spring bottom ... ..                             | 2          | 2          |
| 9                                     | WE259A   | Cotter, valve split ... ..                                  | 4          | 4          |
| <b>OVERHEAD ROCKERS, COVERS, ETC.</b> |          |                                                             |            |            |
| 10                                    | E3251    | Rocker, inlet assembly ... ..                               | 1          | 1          |
| 11                                    | E3252    | Rocker, exhaust assembly ... ..                             | 1          | 1          |
| 12                                    | E3222    | Ball pin, rocker ... ..                                     | 2          | 2          |
| 13                                    | E3223    | Adjuster, rocker ... ..                                     | 2          | 2          |
| 14                                    | GS662    | Locknut, rocker adjuster pin ... ..                         | 2          | 2          |
| 15                                    | E3225    | Spindle, rocker inlet and exhaust ... ..                    | 2          | 2          |
| 16                                    | E3253    | Sealing ring, rocker spindle ... ..                         | 2          | 2          |
| 17                                    | E2534    | Thrust washer, rocker spindle D.S.— $\frac{7}{16}$ " ... .. | 4          | 4          |
| 18                                    | E2594    | Thrust washer, rocker spindle T.S.— $\frac{3}{8}$ " ... ..  | 2          | 2          |
| 19                                    | E3224    | Thackeray washer, rocker spindle (spring) ... ..            | 2          | 2          |
| 20                                    | E3227    | Cover, rocker inlet inspection ... ..                       | 1          | 1          |
| 21                                    | E3228    | Cover, rocker exhaust inspection ... ..                     | 1          | 1          |
| 22                                    | E3226    | Washer, rocker cover joint ... ..                           | 2          | 2          |
| 23                                    | E3290    | Nut, rocker cover to head ... ..                            | 2          | 2          |
| 24                                    | E2441    | Washer, rocker cover to head nut ... ..                     | 2          | 2          |
| <b>PUSH RODS AND COVER</b>            |          |                                                             |            |            |
| 25                                    | E3235    | Rod, push ... ..                                            | 2          | —          |
| 26                                    | E3372    | Rod, push ... ..                                            | —          | 2          |
| 27                                    | E3536    | Cover, push rod ... ..                                      | 1          | —          |
| 28                                    | E3537    | Cover, push rod ... ..                                      | —          | 1          |
| 29                                    | E3172    | Peg, cover to crankcase locating ... ..                     | 1          | 1          |
| 30                                    | E3540    | Washer, push rod cover joint (upper) ... ..                 | 1          | 1          |
| 31                                    | E3391    | Washer, push rod cover joint (lower) ... ..                 | 1          | 1          |
| <b>TAPPETS</b>                        |          |                                                             |            |            |
| 32                                    | E3285    | Tappet ... ..                                               | 2          | 2          |
| <b>ROCKER OIL PIPE AND FITTINGS</b>   |          |                                                             |            |            |
| 33                                    | E3244    | Pipe, rocker oil ... ..                                     | 1          | 1          |
| 34                                    | H400     | Nut, rocker oil pipe to spindle ... ..                      | 2          | 2          |



| REF. No.                                                                                                              | PART No. | DESCRIPTION                                    | QUANTITY |     |
|-----------------------------------------------------------------------------------------------------------------------|----------|------------------------------------------------|----------|-----|
|                                                                                                                       |          |                                                | T15      | T20 |
| 1                                                                                                                     | E1335    | Washer, rocker oil pipe inner joint ...        | 2        | 2   |
| 2                                                                                                                     | E3249    | Washer, rocker oil pipe outer joint ...        | 2        | 2   |
| 3                                                                                                                     | E3383    | Connection, oil tank to oil pipe (Rubber) ...  | 1        | 1   |
| <b>FLYWHEEL AND CONNECTING ROD</b>                                                                                    |          |                                                |          |     |
| 4                                                                                                                     | E3639    | Flywheel and connecting rod assembly ...       | 1        | —   |
| 5                                                                                                                     | E3653    | Flywheel and connecting rod assembly ...       | —        | 1   |
| 6                                                                                                                     | E3336    | Flywheel c/w mainshaft L.H. ...                | 1        | —   |
| 7                                                                                                                     | E3596    | Flywheel c/w mainshaft L.H. ...                | —        | 1   |
| 8                                                                                                                     | E3419    | Flywheel c/w plugs R.H. ...                    | 1        | —   |
| 9                                                                                                                     | E3598    | Flywheel c/w plugs R.H. ...                    | —        | 1   |
| 10                                                                                                                    | E3420    | Plug, T.S. Flywheel ...                        | 2        | 2   |
| 11                                                                                                                    | E3624    | Rod, connecting (complete) ...                 | 1        | 1   |
| 12                                                                                                                    | E3623    | Bush, big end ...                              | 1        | 1   |
| 13                                                                                                                    | E1762    | Bush, small end ...                            | 1        | 1   |
| 14                                                                                                                    | E3414    | Crankpin c/w plugs ...                         | 1        | —   |
| 15                                                                                                                    | E3600    | Crankpin c/w plugs ...                         | —        | 1   |
| 16                                                                                                                    | E3292    | Plug, crankpin ...                             | 2        | 2   |
| SPECIAL NOTE. If parts are required separately for Tiger Cub from Engine number 17389 up to 18596, order as follows : |          |                                                |          |     |
| 17                                                                                                                    | E3566    | Flywheel c/w mainshaft L.H. ...                | —        | 1   |
| 18                                                                                                                    | E3569    | Flywheel c/w plugs R.H. ...                    | —        | 1   |
| 19                                                                                                                    | E3414    | Crankpin c/w plugs ...                         | —        | 1   |
| <b>CRANKCASE</b>                                                                                                      |          |                                                |          |     |
| 20                                                                                                                    | E3558    | Crankcase assembly c/w bushes ...              | 1        | —   |
| 21                                                                                                                    | E3563    | Crankcase assembly c/w bushes ...              | —        | 1   |
| 22                                                                                                                    | E3170    | Stud, crankcase to cylinder head ...           | 4        | —   |
| 23                                                                                                                    | E3365    | Stud, crankcase to cylinder head ...           | —        | 4   |
| 24                                                                                                                    | E3171    | Stud, crankcase to oil pipe junction block ... | 1        | 1   |
| 25                                                                                                                    | T989     | Dowel, crankcase to R.H. inner cover ...       | 2        | 2   |
| 26                                                                                                                    | E3169    | Dowel, crankcase to oil junction block ...     | 1        | 1   |
| 27                                                                                                                    | E3560    | Pipe, crankcase oil return ...                 | 1        | 1   |
| 28                                                                                                                    | T1076    | Screw, crankcase oil return pipe ...           | 1        | 1   |
| 29                                                                                                                    | E2615    | Plug, crankcase oil gauge test hole ...        | 1        | 1   |
| 30                                                                                                                    | E1335    | Washer, crankcase plug ...                     | 1        | 1   |
| <b>CRANKCASE BEARINGS (ENGINE)</b>                                                                                    |          |                                                |          |     |
| 31                                                                                                                    | E3173    | Bearing, R.H. (Plain) ...                      | 1        | 1   |
| 32                                                                                                                    | E3172    | Peg, R.H. bearing ...                          | 1        | 1   |
| 33                                                                                                                    | E3175    | Bush, camshaft ...                             | 1        | 1   |
| 34                                                                                                                    | E3518    | Bush, distributor and oil pump shaft ...       | 1        | 1   |

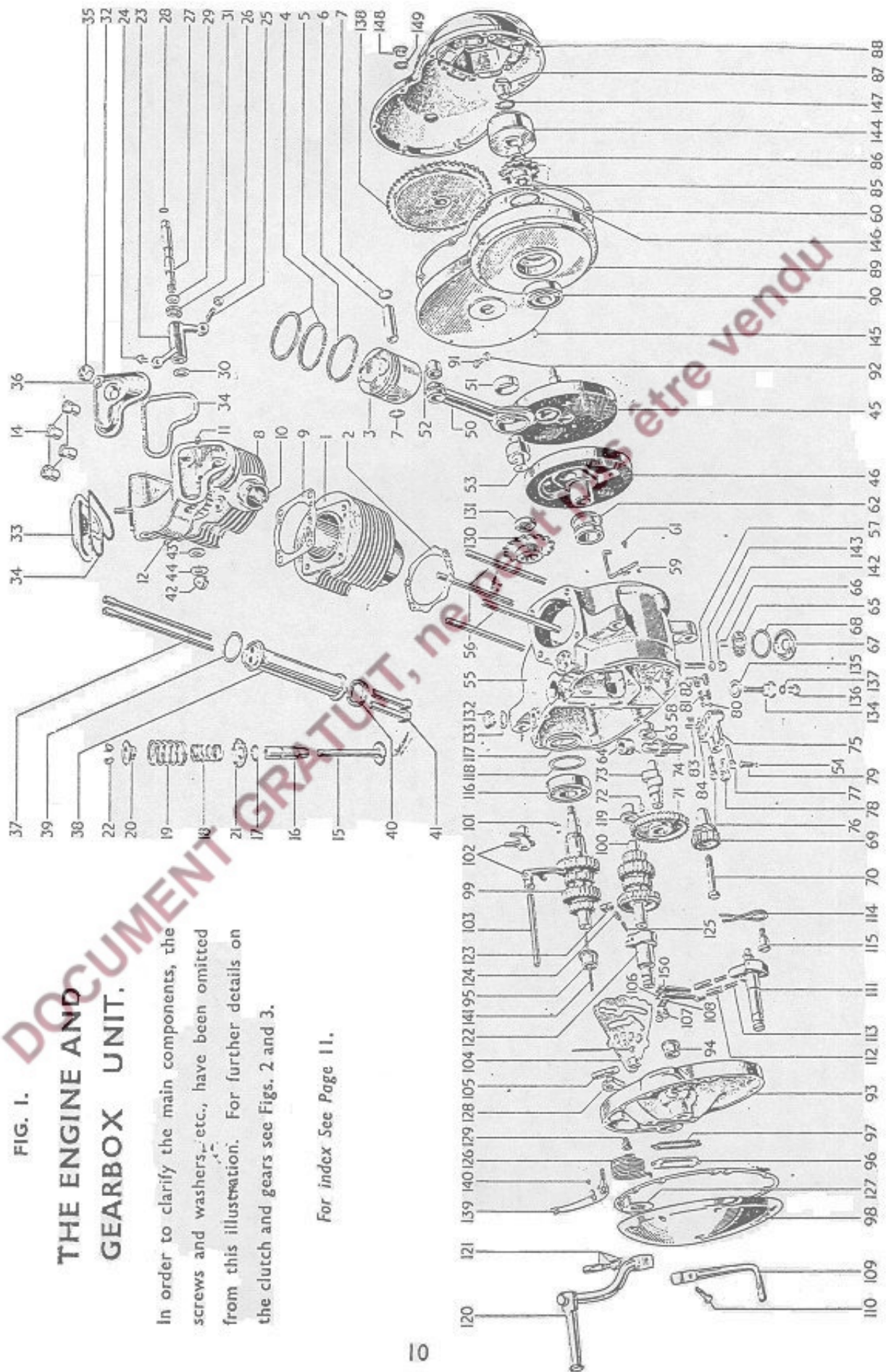


FIG. 1.

# THE ENGINE AND GEARBOX UNIT.

In order to clarify the main components, the screws and washers, etc., have been omitted from this illustration. For further details on the clutch and gears see Figs. 2 and 3.

For index See Page 11.





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| Illust. No. | Part No.  | Page No. | Ref. No. | Illust. No. | Part No. | Page No. | Ref. No. | Illust. No. | Part No.             | Page No. | Ref. No. |
|-------------|-----------|----------|----------|-------------|----------|----------|----------|-------------|----------------------|----------|----------|
| 1           | E3142     | 7        | 1        |             | E3596    | 9        | 7        | 97          | T1148                | 13       | 17       |
|             | E3385     | 7        | 2        | 46          | E3419    | 9        | 8        | 98          | E3151                | 13       | 24       |
| 2           | E3216     | 7        | 3        |             | E3569    | 9        | 18       | 99          | See Fig. 2, Page 15. |          |          |
|             | E3368     | 7        | 4        |             | E3598    | 9        | 9        | 100         |                      |          |          |
| 3           | CP.120    | 7        | 6        | 50          | E3624    | 9        | 11       | 101         | T1119                | 16       | 28       |
|             | CP141     | 7        | 7        | 51          | E3623    | 9        | 12       | 102         | T1098                | 14       | 11       |
| 4           | E3153     | 7        | 8        | 52          | E1762    | 9        | 13       | 103         | T1102                | 14       | 12       |
|             | E3380     | 7        | 9        | 53          | E3414    | 9        | 14       | 104         | T1066                | 14       | 13       |
|             | E656      | 7        | 10       |             | E3600    | 9        | 15       | 105         | T1069                | 14       | 14       |
| 5           | E3154     | 7        | 17       | 54          | E3413    | 12       | 13       | 106         | T1248                | 14       | 16       |
|             | E3387     | 7        | 18       | 55          | E3558    | 9        | 20       | 107         | T1076                | 14       | 18       |
| 6           | E1750     | 7        | 23       |             | E3563    | 9        | 21       | 108         | T1180                | 14       | 19       |
| 7           | E1757     | 7        | 24       | 56          | E3170    | 9        | 22       | 109         | T1164                | 14       | 20       |
| 8           | E3143     | 7        | 25       |             | E3365    | 9        | 23       | 110         | F1369                | 14       | 21       |
| 9           | E3217     | 7        | 26       | 57          | E3171    | 9        | 24       | 111         | T1259                | 14       | 22       |
| 10          | E3207     | 7        | 27       | 58          | T989     | 9        | 25       | 112         | T1184                | 14       | 24       |
| 11          | E3210     | 7        | 28       | 59          | E3560    | 9        | 27       | 113         | T1278                | 14       | 25       |
| 12          | E1987     | 7        | 29       | 60          | E3579    | 13       | 6        | 114         | T1109                | 14       | 27       |
| 14          | E3230     | 7        | 30       | 61          | T1076    | 9        | 28       | 115         | T1077                | 14       | 28       |
| 15          | E3146 In. | 8        | 1        | 62          | E3173    | 9        | 31       | 116         | T1070                | 15       | 1        |
|             | E3147 Ex. | 8        | 2        | 63          | E3175    | 9        | 33       | 117         | T1071                | 15       | 2        |
| 16          | E3208     | 8        | 3        | 64          | E3518    | 9        | 34       | 118         | T1072                | 15       | 3        |
| 17          | E3209     | 8        | 4        | 65          | E3177    | 12       | 21       | 119         | T1073                | 15       | 4        |
| 18          | E3214     | 8        | 5        | 66          | E3176    | 12       | 22       | 120         | T1165                | 16       | 1        |
| 19          | E3115     | 8        | 6        | 67          | E1564    | 12       | 24       | 121         | S52-1                | 16       | 7        |
| 20          | E3301     | 8        | 7        | 68          | E1577    | 12       | 25       | 122         | T1279                | 16       | 8        |
| 21          | E3213     | 8        | 8        | 69          | E3178    | 12       | 1        | 123         | T1281                | 16       | 10       |
| 22          | WE259A    | 8        | 9        | 70          | E3421    | 12       | 2        | 124         | T1282                | 16       | 11       |
| 23          | E3251 In. | 8        | 10       | 71          | E3185    | 12       | 3        | 125         | T1161                | 16       | 12       |
|             | E3252 Ex. | 8        | 11       | 72          | E3184    | 12       | 4        | 126         | T1162                | 16       | 14       |
| 24          | E3222     | 8        | 12       | 73          | E3183    | 12       | 5        | 127         | T1163                | 16       | 15       |
| 25          | E3223     | 8        | 13       | 74          | E3186    | 12       | 6        | 128         | T1157                | 16       | 16       |
| 26          | GS662     | 8        | 14       | 75          | E3409    | 12       | 8        | 129         | T1158                | 16       | 17       |
| 27          | E3225     | 8        | 15       | 76          | E3194    | 12       | 10       | 130         | T1081                | 16       | 18       |
| 28          | E3253     | 8        | 16       | 77          | E3410    | 12       | 9        | 131         | T1082                | 16       | 19       |
| 29          | E2534     | 8        | 17       | 78          | E3195    | 12       | 11       | 132         | T1110                | 16       | 20       |
| 30          | E2594     | 8        | 18       | 79          | E3412    | 12       | 12       | 133         | E697                 | 16       | 21       |
| 31          | E3224     | 8        | 19       | 80          | S70-4    | 12       | 14       | 134         | T1112                | 16       | 22       |
| 32          | E3228     | 8        | 21       | 81          | E3191    | 12       | 15       | 135         | T1257                | 16       | 23       |
| 33          | E3227     | 8        | 20       | 82          | E3192    | 12       | 17       | 136         | T361                 | 16       | 24       |
| 34          | E3226     | 8        | 22       | 83          | E3191    | 12       | 15       | 137         | WE170                | 16       | 25       |
| 35          | E3290     | 8        | 23       | 84          | T1124    | 12       | 16       | 138         | T1365                | 16       | 26       |
| 36          | E2441     | 8        | 24       | 85          | E3201    | 13       | 1        |             | T1341                | 16       | 27       |
| 37          | E3235     | 8        | 25       |             | E3581    | 13       | 2        | 139         | T1233                | 18       | 17       |
|             | E3372     | 8        | 26       | 86          | W954     | 13       | 3        | 140         | T1124                | 18       | 21       |
| 38          | E3536     | 8        | 27       | 87          | 465909   | 47       | 8        | 141         | T1140                | 18       | 24       |
|             | E3537     | 8        | 28       | 88          | E3582    | 13       | 4        | 142         | F879                 | 39       | 10       |
| 39          | E3540     | 8        | 30       |             | E3580    | 13       | 5        | 143         | S25-13               | 39       | 11       |
| 40          | E3391     | 8        | 31       | 89          | E3577    | 12       | 26       | 144         | 465904               | 47       | 7        |
| 41          | E3285     | 8        | 32       | 90          | E3152    | 12       | 29       | 145         | E1580                | 47       | 7        |
| 42          | H400      | 8        | 34       | 91          | DS57     | 12       | 35       | 146         | E3379                | 12       | 30       |
| 43          | E1335     | 9        | 1        | 92          | WE170    | 12       | 36       | 147         | 465910               | 47       | 9        |
| 44          | E3249     | 9        | 2        | 93          | E3416    | 13       | 12       | 148         | E732                 | 13       | 10       |
| 45          | E3336     | 9        | 6        | 94          | E3293    | 13       | 13       | 149         | NE507                | 13       | 11       |
|             | E3566     | 9        | 17       | 95          | T1147    | 13       | 15       | 150         | T1249                | 14       | 17       |
|             |           |          |          | 96          | T1149    | 13       | 16       |             |                      |          |          |



## GROUP 2 — ENGINE

| REF. No.                         | PART No. | DESCRIPTION                                             | QUANTITY       |
|----------------------------------|----------|---------------------------------------------------------|----------------|
| <b>TIMING GEARS AND CAMSHAFT</b> |          |                                                         | <b>T15 T20</b> |
| 1                                | E3178    | Pinion, timing and distributor drive ... ..             | 1 1            |
| 2                                | E3421    | Bolt, timing and distributor pinion ... ..              | 1 1            |
| 3                                | E3185    | Pinion, camshaft (50T) ... ..                           | 1 1            |
| 4                                | E3184    | Key, camshaft pinion ... ..                             | 1 1            |
| 5                                | E3183    | Camshaft, inlet and exhaust ... ..                      | 1 1            |
| 6                                | E3186    | Pinion and shaft, distributor and oil pump drive ... .. | 1 1            |
| <b>OIL PUMP</b>                  |          |                                                         |                |
| 7                                | E3393    | Oil pump assembly ... ..                                | 1 1            |
| 8                                | E3409    | Body, oil pump ... ..                                   | 1 1            |
| 9                                | E3410    | Plunger, oil feed ... ..                                | 1 1            |
| 10                               | E3194    | Plunger, oil scavenge ... ..                            | 1 1            |
| 11                               | E3195    | Rod, connecting drive ... ..                            | 1 1            |
| 12                               | E3412    | Pin, connecting drive rod ... ..                        | 1 1            |
| 13                               | E3413    | Circlip, connecting drive rod ... ..                    | 1 1            |
| 14                               | S70-4    | Ball, oil pump body ... ..                              | 2 2            |
| 15                               | E3191    | Spring, oil pump body and auxiliary valves ... ..       | 4 4            |
| 16                               | T1124    | Ball, auxiliary valve ... ..                            | 2 2            |
| 17                               | E3192    | Plug, oil pump body ... ..                              | 2 2            |
| 18                               | E3197    | Bolt, oil pump to crankcase ... ..                      | 2 2            |
| 19                               | GS299    | Lockwasher, oil pump to crankcase (serrated) ... ..     | 2 2            |
| 20                               | E3188    | Washer, oil pump to crankcase joint ... ..              | 1 1            |
| <b>CRANKCASE FILTER</b>          |          |                                                         |                |
| 21                               | E3177    | Filter, crankcase ... ..                                | 1 1            |
| 22                               | E3176    | Spring, crankcase filter ... ..                         | 1 1            |
| 23                               | E3302    | Washer, crankcase filter spring ... ..                  | 1 1            |
| 24                               | E1564    | Cap, crankcase filter ... ..                            | 1 1            |
| 25                               | E1577    | Washer, crankcase filter joint ... ..                   | 1 1            |
| <b>INNER COVER, DRIVE SIDE</b>   |          |                                                         |                |
| 26                               | E3577    | Cover, crankcase D.S. inner ... ..                      | 1 1            |
| 27                               | E3199    | Dowel, inner cover to crankcase front ... ..            | 1 1            |
| 28                               | T989     | Dowel, inner cover to outer cover rear ... ..           | 1 1            |
| 29                               | E3152    | Bearing, engine flywheel mainshaft ... ..               | 1 1            |
| 30                               | E3379    | Oil seal, mainshaft bearing ... ..                      | 1 1            |
| 31                               | E3460    | Sealing washer, gearbox shaft (rubber) ... ..           | 1 1            |
| 32                               | E3603    | Backing washer, sealing washer ... ..                   | 1 1            |
| 33                               | E3204    | Screw, inner cover to crankcase (top front) ... ..      | 1 1            |
| 34                               | E3445    | Screw, inner cover to crankcase ... ..                  | 2 2            |
| 35                               | DS57     | Plug, oil level and drain... ..                         | 2 2            |
| 36                               | WE170    | Washer, oil level and drain plugs ... ..                | 2 2            |



| REF. No.                        | PART No. | DESCRIPTION                                                                     | QUANTITY       |
|---------------------------------|----------|---------------------------------------------------------------------------------|----------------|
| <b>ENGINE SPROCKET</b>          |          |                                                                                 | <b>T15 T20</b> |
| 1                               | E3201    | Engine sprocket, 19 teeth ... ..                                                | 1 -            |
| 2                               | E3581    | Engine sprocket, 18 teeth ... ..                                                | - 1            |
| 3                               | W954     | Distance piece, sprocket and rotor ... ..<br>See Page 47 for locknut and washer | 1 1            |
| <b>OUTER COVER, DRIVE SIDE</b>  |          |                                                                                 |                |
| 4                               | E3582    | Cover, crankcase D.S. outer ... ..                                              | 1 -            |
| 5                               | E3580    | Cover, crankcase D.S. outer ... ..                                              | - 1            |
| 6                               | E3579    | Washer, cover joint ... ..                                                      | 1 1            |
| 7                               | E3205    | Screw, outer cover, long ... ..                                                 | 4 4            |
| 8                               | E3200    | Screw, outer cover, short ... ..                                                | 4 4            |
| 9                               | E3204    | Screw, outer cover, medium ... ..                                               | 1 1            |
| 10                              | E732     | Plug, oil filler ... ..                                                         | 1 1            |
| 11                              | NE507    | Washer, oil filler joint ... ..                                                 | 1 1            |
| <b>INNER COVER, TIMING SIDE</b> |          |                                                                                 |                |
| 12                              | E3416    | Cover, inner T.S. c/w bushes and clutch lever ... ..                            | 1 1            |
| 13                              | E3293    | Bush, camshaft ... ..                                                           | 1 1            |
| 14                              | E3172    | Peg, camshaft bush ... ..                                                       | 1 1            |
| 15                              | T1147    | Bush, gearbox mainshaft ... ..                                                  | 1 1            |
| 16                              | T1149    | Plate, inner cover ... ..                                                       | 1 1            |
| 17                              | T1148    | Washer, inner cover plate (Cork) ... ..                                         | 1 1            |
| 18                              | T1150    | Screw, inner cover plate ... ..                                                 | 2 2            |
| 19                              | E3204    | Screw, inner cover to crankcase (front and rear) ... ..                         | 2 2            |
| 20                              | E3220    | Screw, inner cover to crankcase (short) ... ..                                  | 1 1            |
| 21                              | E3221    | Screw, inner cover to crankcase (long) ... ..                                   | 1 1            |
| 22                              | F3775    | Vent pipe, inner cover breather (PVC) ... ..                                    | 1 1            |
| 23                              | XA69     | Clip, vent pipe to clutch cable ... ..                                          | 1 1            |
| <b>OUTER COVER, TIMING SIDE</b> |          |                                                                                 |                |
| 24                              | E3151    | Cover, outer T.S. ... ..                                                        | 1 1            |
| 25                              | E3345    | Washer, cover joint ... ..                                                      | 1 1            |
| 26                              | E3221    | Screw, outer T.S. cover (long) ... ..                                           | 1 1            |
| 27                              | E3231    | Screw, outer T.S. cover (medium) ... ..                                         | 7 7            |
| 28                              | E3220    | Screw, outer T.S. cover (short) ... ..                                          | 1 1            |
| <b>GASKET SET</b>               |          |                                                                                 |                |
| 29                              | GST15/55 | Gasket set ... ..                                                               | 1 -            |
| 30                              | GST20/55 | Gasket set ... ..                                                               | - 1            |



# GROUP 3 — GEARBOX

REF. No. PART No.

DESCRIPTION

QUANTITY

## GEARBOX AND CLUTCH — GROUP 3

Illustrated on Pages 10, 15 and 17—Figs. 1, 2 and 3

### SHAFTS AND GEARS

T15 T20

|    |        |                                       |     |     |     |   |   |
|----|--------|---------------------------------------|-----|-----|-----|---|---|
| 1  | T1083* | Gear cluster, mainshaft (3rd and low) | ... | ... | ... | 1 | 1 |
| 2  | T1085  | Bush, mainshaft clutch rod            | ... | ... | ... | 1 | 1 |
| 3  | T1078  | Gear, mainshaft high c/w bush...      | ... | ... | ... | 1 | 1 |
| 4  | T1080  | Bush, mainshaft high                  | ... | ... | ... | 1 | 1 |
| 5  | T1089  | Gear, mainshaft 2nd                   | ... | ... | ... | 1 | 1 |
| 6  | T1090  | Thrust ring, mainshaft 2nd gear       | ... | ... | ... | 1 | 1 |
| 7  | T1091* | Gear, cluster, layshaft (top and 2nd) | ... | ... | ... | 1 | 1 |
| 8  | T1094  | Gear, layshaft 3rd                    | ... | ... | ... | 1 | 1 |
| 9  | T1095  | Gear, layshaft low c/w bush           | ... | ... | ... | 1 | 1 |
| 10 | T1097  | Bush, layshaft low gear               | ... | ... | ... | 1 | 1 |

\* The gear clusters are sold only as an assembly and the parts cannot be obtained separately.

### SELECTOR FORKS AND SPINDLE

|    |       |                                       |     |     |     |   |   |
|----|-------|---------------------------------------|-----|-----|-----|---|---|
| 11 | T1098 | Fork, mainshaft and layshaft selector | ... | ... | ... | 2 | 2 |
| 12 | T1102 | Spindle, selector fork                | ... | ... | ... | 1 | 1 |

### CAMPLATE

|    |                             |                                        |     |     |     |   |   |
|----|-----------------------------|----------------------------------------|-----|-----|-----|---|---|
| 13 | T1066                       | Camplate assembly                      | ... | ... | ... | 1 | 1 |
| 14 | T1069                       | Spindle, camplate                      | ... | ... | ... | 1 | 1 |
| 15 | $\frac{3}{32}'' \times 1''$ | Split pin, camplate to spindle         | ... | ... | ... | 1 | 1 |
| 16 | T1248                       | Spring, camplate index                 | ... | ... | ... | 1 | 1 |
| 17 | T1249                       | Spring, camplate index (supplementary) | ... | ... | ... | 1 | 1 |
| 18 | T1076                       | Screw, camplate index spring           | ... | ... | ... | 2 | 2 |
| 19 | T1180                       | Lockwasher, camplate index spring      | ... | ... | ... | 1 | 1 |

### FOOTCHANGE MECHANISM

|    |                                       |                                             |     |     |     |   |   |
|----|---------------------------------------|---------------------------------------------|-----|-----|-----|---|---|
| 20 | T1164                                 | Pedal, footchange                           | ... | ... | ... | 1 | 1 |
| 21 | F1369                                 | Bolt, footchange pedal                      | ... | ... | ... | 1 | 1 |
| 22 | T1259                                 | Spindle, quadrant and plunger assembly      | ... | ... | ... | 1 | 1 |
| 23 | T1181                                 | Feltwasher, footchange spindle              | ... | ... | ... | 1 | 1 |
| 24 | T1184                                 | Plunger, footchange gear selector           | ... | ... | ... | 2 | 2 |
| 25 | T1278                                 | Spring, footchange gear selector plunger    | ... | ... | ... | 2 | 2 |
| 26 | $\frac{5}{64}'' \times \frac{3}{4}''$ | Split pin, footchange gear selector plunger | ... | ... | ... | 2 | 2 |
| 27 | T1109                                 | Spring, footchange return                   | ... | ... | ... | 1 | 1 |
| 28 | T1077                                 | Pin, footchange return spring anchorage     | ... | ... | ... | 1 | 1 |
| 29 | E2287                                 | Washer, footchange return spring anchorage  | ... | ... | ... | 1 | 1 |
| 30 | T449                                  | Rubber, footchange pedal                    | ... | ... | ... | 1 | 1 |



| REF. No.                       | PART No. | DESCRIPTION                                 | QUANTITY   |            |
|--------------------------------|----------|---------------------------------------------|------------|------------|
| <b>GEARBOX CASING BEARINGS</b> |          |                                             | <b>T15</b> | <b>T20</b> |
| 1                              | T1070    | Bearing, D.S. gearbox mainshaft (ball) ...  | 1          | 1          |
| 2                              | T1071    | Oil seal, D.S. bearing (felt) ...           | 1          | 1          |
| 3                              | T1072    | Plate, D.S. bearing seal retaining ...      | 1          | 1          |
| 4                              | T1073    | Bearing, D.S. gearbox la. shaft (plain) ... | 1          | 1          |
| 5                              | E3172    | Peg, layshaft bearing locating ...          | 1          | 1          |
| 6                              | T1269    | Disc, D.S. gearbox layshaft bearing ...     | 1          | 1          |

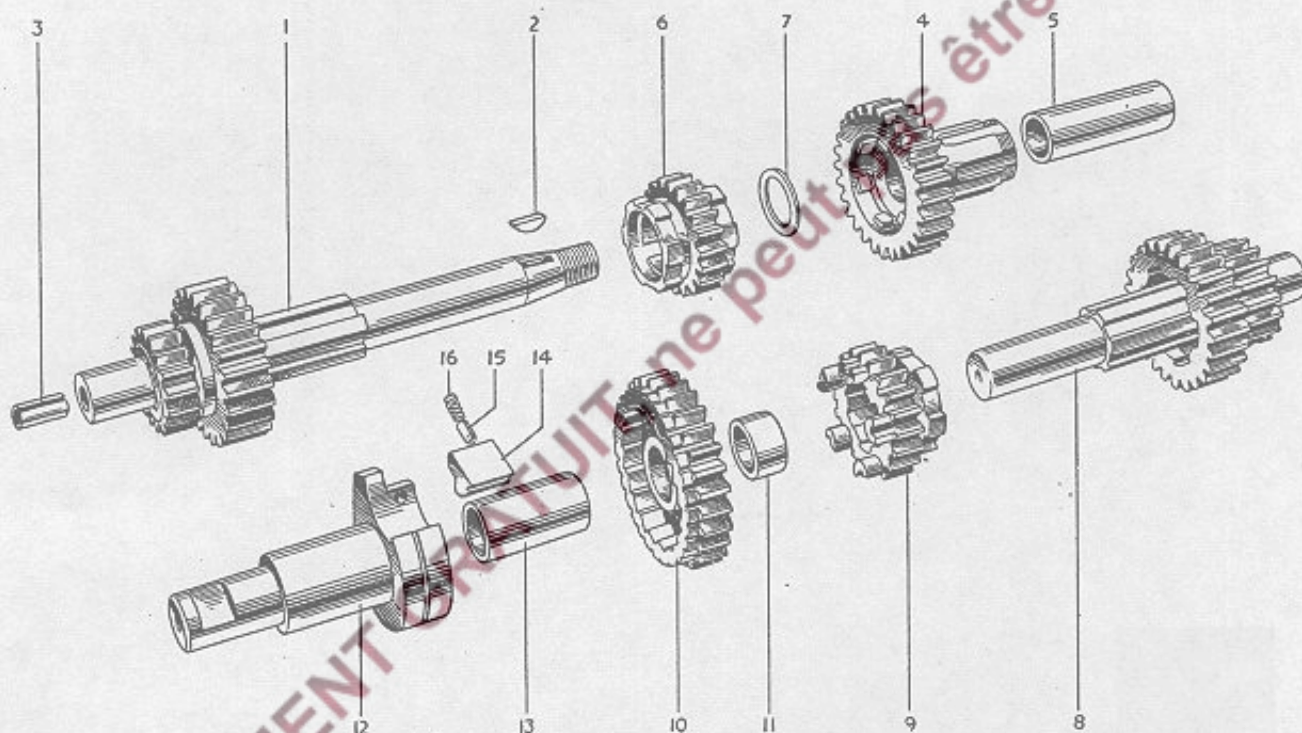


FIG. 2. MAINSHAFT AND LAYSHAFT GEARS.

## INDEX

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| 1           | T1083    | 14       | 1        | 9           | T1094    | 14       | 8        |
| 2           | T1119    | 16       | 28       | 10          | T1095    | 14       | 9        |
| 3           | T1085    | 14       | 2        | 11          | T1097    | 14       | 10       |
| 4           | T1078    | 14       | 3        | 12          | T1279    | 16       | 8        |
| 5           | T1080    | 14       | 4        | 13          | T1118    | 16       | 9        |
| 6           | T1089    | 14       | 5        | 14          | T1281    | 16       | 10       |
| 7           | T1090    | 14       | 6        | 15          | T1282    | 16       | 11       |
| 8           | T1091    | 14       | 7        | 16          | T1161    | 16       | 12       |



## GROUP 3 — GEARBOX

| REF. No.                             | PART No. | DESCRIPTION                                               | QUANTITY       |
|--------------------------------------|----------|-----------------------------------------------------------|----------------|
| <b>KICKSTARTER</b>                   |          |                                                           | <b>T15 T20</b> |
| 1                                    | T1165    | Kickstarter assembly, folding ...                         | 1 1            |
| 2                                    | T1166    | Crank, kickstarter ...                                    | 1 1            |
| 3                                    | T1168    | Pedal kickstarter crank ...                               | 1 1            |
| 3a                                   | F1814    | Rubber, kickstarter pedal ...                             | - 1            |
| 4                                    | T1169    | Bolt, kickstarter crank to pedal ...                      | 1 1            |
| 5                                    | S70-3    | Ball, kickstarter crank to pedal ...                      | 1 1            |
| 6                                    | T1167    | Spring, kickstarter crank to pedal ...                    | 1 1            |
| 7                                    | S52-1    | Cotter, kickstarter crank c/w nut and washer ...          | 1 1            |
| 8                                    | T1279    | Spindle, kickstarter c/w bush ...                         | 1 1            |
| 9                                    | T1118    | Bush, kickstarter spindle ...                             | 1 1            |
| 10                                   | T1281    | Pawl, kickstarter... ...                                  | 1 1            |
| 11                                   | T1282    | Plunger, kickstarter pawl ...                             | 1 1            |
| 12                                   | T1161    | Spring, kickstarter plunger ...                           | 1 1            |
| 13                                   | T1274    | Disc, pawl retaining ...                                  | 1 1            |
| 14                                   | T1162    | Spring, kickstarter return ...                            | 1 1            |
| 15                                   | T1163    | Plate, kickstarter return spring anchor ...               | 1 1            |
| 16                                   | T1157    | Plate, kickstarter stop ...                               | 1 1            |
| 17                                   | T1158    | Screw, kickstarter stop plate ...                         | 1 1            |
| <b>GEARBOX SPROCKET</b>              |          |                                                           |                |
| 18                                   | T1081    | Sprocket, gearbox, 17 teeth ...                           | 1 1            |
| 19                                   | T1082    | Nut, gearbox sprocket ...                                 | 1 1            |
| <b>FILLER, LEVEL AND DRAIN PLUGS</b> |          |                                                           |                |
| 20                                   | T1110    | Plug, gearbox filler ...                                  | 1 1            |
| 21                                   | E697     | Washer, gearbox filler plug ...                           | 1 1            |
| 22                                   | T1112    | Plug, gearbox drain ...                                   | 1 1            |
| 23                                   | T1257    | Washer, gearbox drain plug ...                            | 1 1            |
| 24                                   | T361     | Plug, gearbox level ...                                   | 1 1            |
| 25                                   | WE170    | Washer, gearbox level plug ...                            | 1 1            |
| <b>CLUTCH</b>                        |          |                                                           |                |
| 26                                   | T1365    | Clutch, complete ...                                      | 1 -            |
| 27                                   | T1341    | Clutch, complete ...                                      | - 1            |
| 28                                   | T1119    | Key, clutch to mainshaft ...                              | 1 1            |
| 29                                   | T1347    | Lockwasher, clutch nut ...                                | 1 1            |
| 30                                   | T1348    | Nut, clutch to mainshaft ...                              | 1 1            |
| 31                                   | T1310    | Housing and sprocket complete with linings (48 teeth) ... | 1 -            |
| 32                                   | T1343    | Housing and sprocket complete with linings (36 teeth) ... | - 1            |
| 33                                   | T1124    | Ball, clutch sprocket bearing ...                         | 16 16          |
| 34                                   | T1264    | Bearing ring, clutch sprocket ...                         | 1 1            |



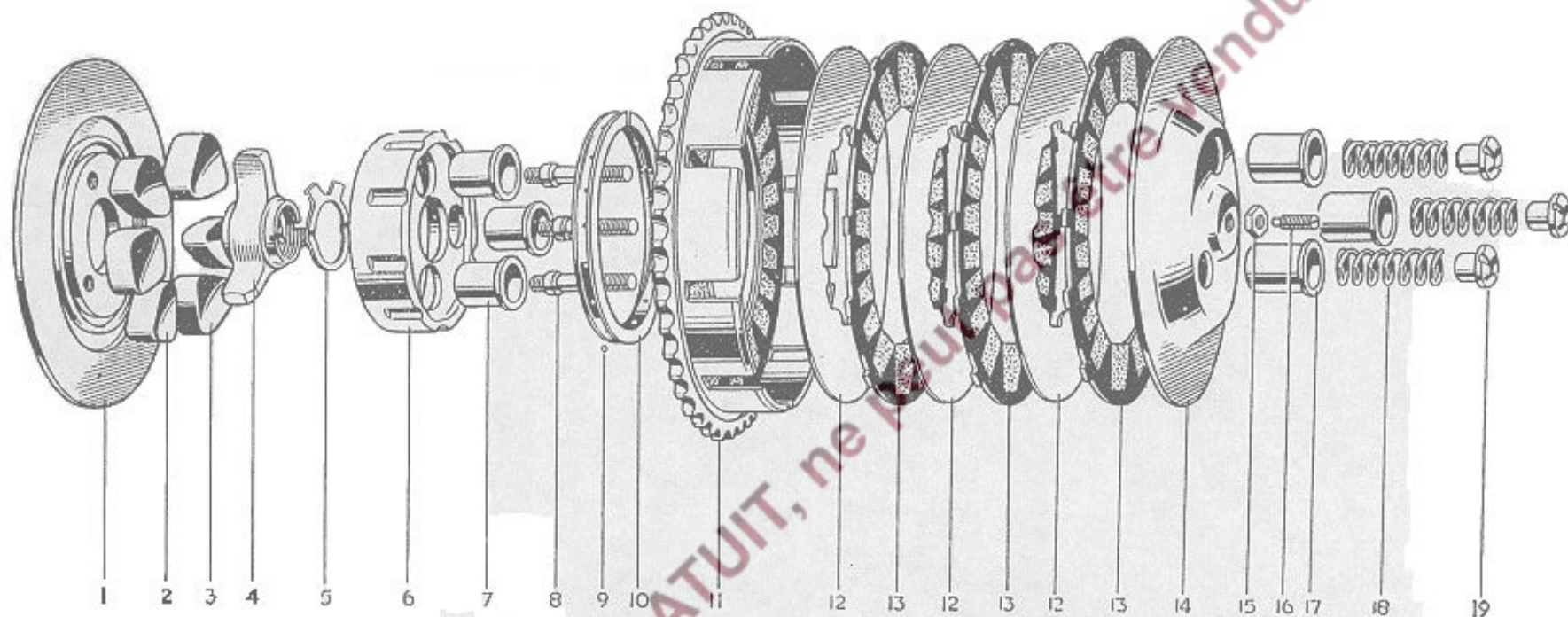


FIG. 3. CLUTCH AND SHOCK ABSORBER UNIT.

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| 1           | T1128    | 18       | 3        | 11          | T1310    | 16       | 31       |
| 2           | T1318    | 18       | 8        |             | T1343    | 16       | 32       |
| 3           | T1132    | 18       | 7        | 12          | T1315    | 18       | 9        |
| 4           | T1346    | 18       | 6        | 13          | T1294    | 18       | 10       |
| 5           | T1347    | 16       | 29       | 14          | T1253    | 18       | 11       |
| 6           | T1314    | 18       | 2        | 15          | GS662    | 18       | 13       |
| 7           | T1364    | 18       | 4        | 16          | T1256    | 18       | 12       |
| 8           | T1350    | 18       | 5        | 17          | T1144    | 18       | 14       |
| 9           | T1124    | 16       | 33       | 18          | T1145    | 18       | 15       |
| 10          | T1264    | 16       | 34       | 19          | T1146    | 18       | 16       |



## GROUP 4 — EXHAUST SYSTEM

| REF. No. | PART No. | DESCRIPTION                                            | QUANTITY |     |
|----------|----------|--------------------------------------------------------|----------|-----|
|          |          |                                                        | T15      | T20 |
| 1        | T1345    | Shock absorber assembly comprising lines 2 to 8 ... .. | 1        | 1   |
| 2        | T1314    | Clutch centre ... ..                                   | 1        | 1   |
| 3        | T1128    | Backplate ... ..                                       | 1        | 1   |
| 4        | T1364    | Cup, centre driving ... ..                             | 3        | 3   |
| 5        | T1350    | Pin, driving cup ... ..                                | 3        | 3   |
| 6        | T1346    | Spider ... ..                                          | 1        | 1   |
| 7        | T1132    | Rubber, drive ... ..                                   | 3        | 3   |
| 8        | T1318    | Rubber, rebound ... ..                                 | 3        | 3   |
| 9        | T1315    | Driven Plate ... ..                                    | 3        | 3   |
| 10       | T1294    | Driving plate complete with linings ... ..             | 3        | 3   |
| 11       | T1253    | Pressure plate ... ..                                  | 1        | 1   |
| 12       | T1256    | Adjuster, pressure plate ... ..                        | 1        | 1   |
| 13       | GS662    | Nut, for adjuster ... ..                               | 1        | 1   |
| 14       | T1144    | Spring cup ... ..                                      | 3        | 3   |
| 15       | T1145    | Spring, clutch pressure ... ..                         | 3        | 3   |
| 16       | T1146    | Nut, clutch pin ... ..                                 | 3        | 3   |

### CLUTCH CONTROL

|    |                                      |                                         |   |   |
|----|--------------------------------------|-----------------------------------------|---|---|
| 17 | T1233                                | Lever, clutch operating assembly ... .. | 1 | 1 |
| 18 | T1235                                | Lever, clutch operating ... ..          | 1 | 1 |
| 19 | T1236                                | Pin, operating lever fulcrum ... ..     | 1 | 1 |
| 20 | T1155                                | Cup, operating lever thrust ... ..      | 1 | 1 |
| 21 | T1124                                | Ball, cup to rod ... ..                 | 1 | 1 |
| 22 | $\frac{1}{8}'' \times \frac{1}{2}''$ | Split-pin, cup to lever ... ..          | 1 | 1 |
| 23 | T1234                                | Fulcrum, clutch operating lever ... ..  | 1 | 1 |
| 24 | T1140                                | Rod, clutch operating ... ..            | 1 | 1 |

## EXHAUST SYSTEM — GROUP 4

### EXHAUST PIPE

|    |        |                                                        |   |   |
|----|--------|--------------------------------------------------------|---|---|
| 25 | E3257  | Pipe, exhaust ... ..                                   | 1 | 1 |
| 26 | E3259  | Clip, exhaust pipe to cylinder head ... ..             | 1 | 1 |
| 27 | E3260  | Bolt, exhaust pipe to cylinder head ... ..             | 1 | 1 |
| 28 | S25-13 | Washer, exhaust pipe to cylinder head clip bolt ... .. | 1 | 1 |

### SILENCER

|    |        |                                                       |   |   |
|----|--------|-------------------------------------------------------|---|---|
| 29 | E3261  | Silencer ... ..                                       | 1 | 1 |
| 30 | E3269  | Clip, silencer to exhaust pipe ... ..                 | 1 | 1 |
| 31 | TE164E | Bolt, silencer to exhaust pipe clip ... ..            | 1 | 1 |
| 32 | TE164D | 'D' Washer, silencer to exhaust pipe clip bolt ... .. | 1 | 1 |
| 33 | TE164C | 'D' Nut, silencer to exhaust pipe clip bolt ... ..    | 1 | 1 |
| 34 | F929   | Bolt, silencer to frame ... ..                        | 1 | 1 |
| 35 | SI-51  | Nut, silencer to frame bolt ... ..                    | 1 | 1 |
| 36 | S26-2  | Washer, silencer to frame bolt ... ..                 | 1 | 1 |



REF. No. PART No.

DESCRIPTION

QUANTITY

**FRAME — GROUP 5***Illustrated on Pages 20 and 21—Figs. 4 and 5*

| <b>FRAME</b>           |       |                                          |     |     |     |     |     | <b>T15</b> | <b>T20</b> |
|------------------------|-------|------------------------------------------|-----|-----|-----|-----|-----|------------|------------|
| 1                      | F3926 | Frame, only                              | ... | ... | ... | ... | ... | 1          | 1          |
| 2                      | F3953 | Bolt, front and rear engine mounting     | ... | ... | ... | ... | ... | 2          | 2          |
| 3                      | F3954 | Bolt, lower engine mounting              | ... | ... | ... | ... | ... | 1          | 1          |
| 4                      | F3955 | Nut, engine mounting bolt                | ... | ... | ... | ... | ... | 3          | 3          |
| 5                      | F3929 | Distance piece, engine bolts             | ... | ... | ... | ... | ... | 3          | 3          |
| <b>REAR SUSPENSION</b> |       |                                          |     |     |     |     |     |            |            |
| 6                      | F4038 | Fork end, R.H. c/w grease nipple         | ... | ... | ... | ... | ... | 1          | 1          |
| 7                      | F4037 | Fork end, L.H. c/w pin and grease nipple | ... | ... | ... | ... | ... | 1          | 1          |
| 8                      | NW100 | Nipple, fork end grease...               | ... | ... | ... | ... | ... | 2          | 2          |
| 9                      | F3781 | Pin, fork end brake anchorage            | ... | ... | ... | ... | ... | 1          | 1          |
| 10                     | F3422 | Backing washer, plunger lug (top)        | ... | ... | ... | ... | ... | 2          | 2          |
| 11                     | F3577 | Cup, plunger lug (bottom)                | ... | ... | ... | ... | ... | 2          | 2          |
| 12                     | F3423 | Gaiter, plunger lug bottom (rubber)      | ... | ... | ... | ... | ... | 2          | 2          |
| 13                     | F3425 | Spring, suspension main                  | ... | ... | ... | ... | ... | 2          | 2          |
| 14                     | F3426 | Spring, suspension rebound               | ... | ... | ... | ... | ... | 2          | 2          |
| 15                     | F3427 | Cover, suspension spring (lower)         | ... | ... | ... | ... | ... | 2          | 2          |
| 16                     | F3428 | Cover, suspension spring (upper)         | ... | ... | ... | ... | ... | 2          | 2          |
| 17                     | F3853 | Rod, plunger guide                       | ... | ... | ... | ... | ... | 2          | 2          |
| 18                     | F3854 | Nut, plunger guide rod                   | ... | ... | ... | ... | ... | 2          | 2          |
| 19                     | F3430 | Bolt, plunger guide to lug clamp         | ... | ... | ... | ... | ... | 2          | 2          |
| 20                     | E470  | Nut, plunger guide to lug clamp          | ... | ... | ... | ... | ... | 2          | 2          |
| 21                     | S25-3 | Washer, plunger guide to lug clamp       | ... | ... | ... | ... | ... | 2          | 2          |

**STAND — GROUP 6****CENTRE STAND**

|    |       |                      |     |     |     |     |     |   |   |
|----|-------|----------------------|-----|-----|-----|-----|-----|---|---|
| 22 | F3762 | Stand c/w fittings   | ... | ... | ... | ... | ... | 1 | — |
| 23 | F3956 | Stand c/w fittings   | ... | ... | ... | ... | ... | — | 1 |
| 24 | F3763 | Stand only           | ... | ... | ... | ... | ... | 1 | — |
| 25 | F3957 | Stand only           | ... | ... | ... | ... | ... | — | 1 |
| 26 | F3747 | Spring, stand return | ... | ... | ... | ... | ... | 1 | — |
| 27 | F3960 | Spring, stand return | ... | ... | ... | ... | ... | — | 1 |
| 28 | F3520 | Bolt, stand pivot    | ... | ... | ... | ... | ... | 2 | 2 |
| 29 | DS47  | Nut, pivot bolt      | ... | ... | ... | ... | ... | 2 | 2 |

**PROP STAND**

|    |       |                         |     |     |     |     |     |   |   |
|----|-------|-------------------------|-----|-----|-----|-----|-----|---|---|
| 30 | F3681 | Prop stand c/w fittings | ... | ... | ... | ... | ... | 1 | — |
| 31 | F3937 | Prop stand c/w fittings | ... | ... | ... | ... | ... | — | 1 |
| 32 | F3097 | Pin, stand pivot        | ... | ... | ... | ... | ... | 1 | 1 |
| 33 | F3096 | Lockwasher, pivot pin   | ... | ... | ... | ... | ... | 1 | 1 |
| 34 | F2610 | Spring, return          | ... | ... | ... | ... | ... | 1 | 1 |



# GROUP 5 — FRAME

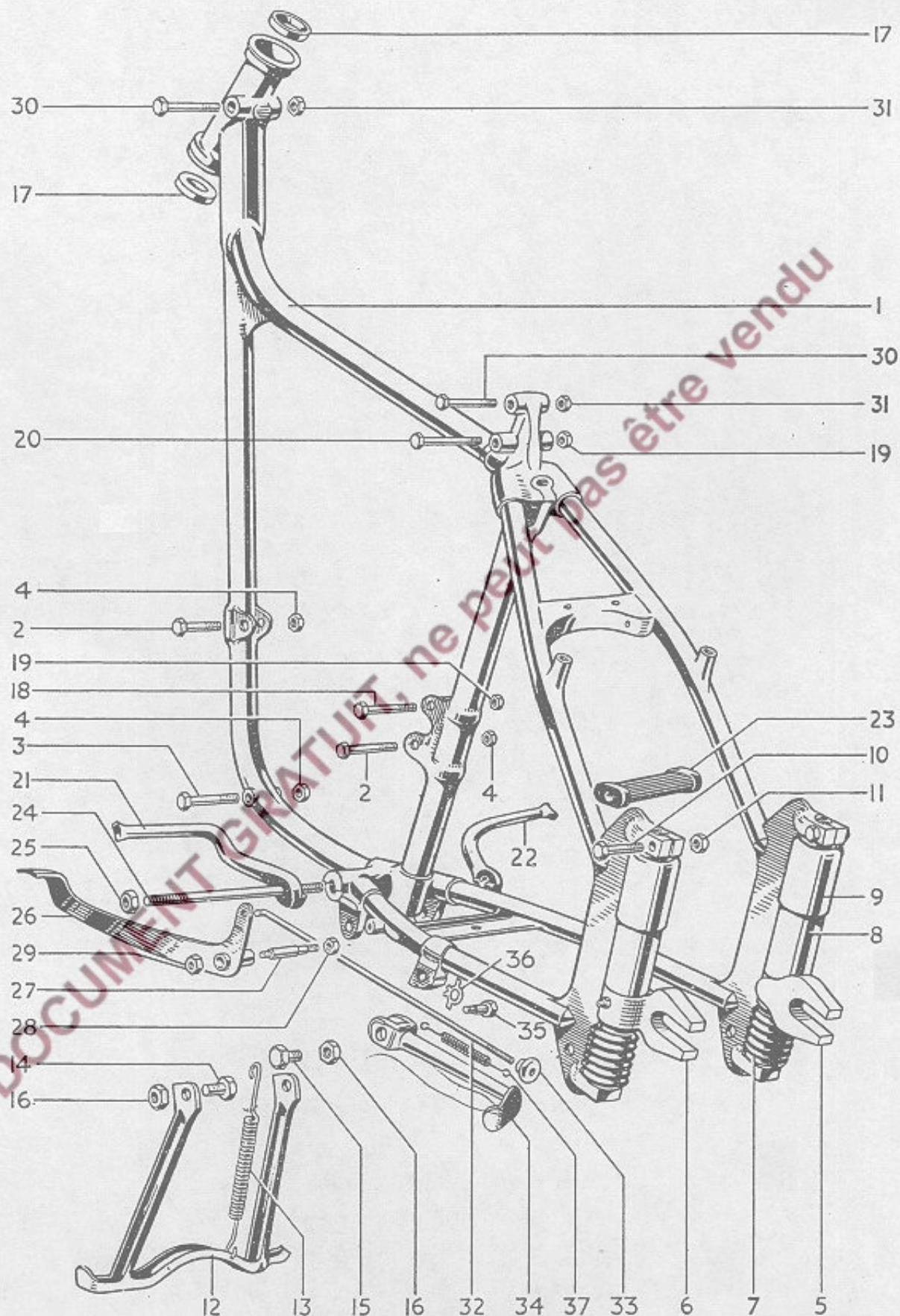
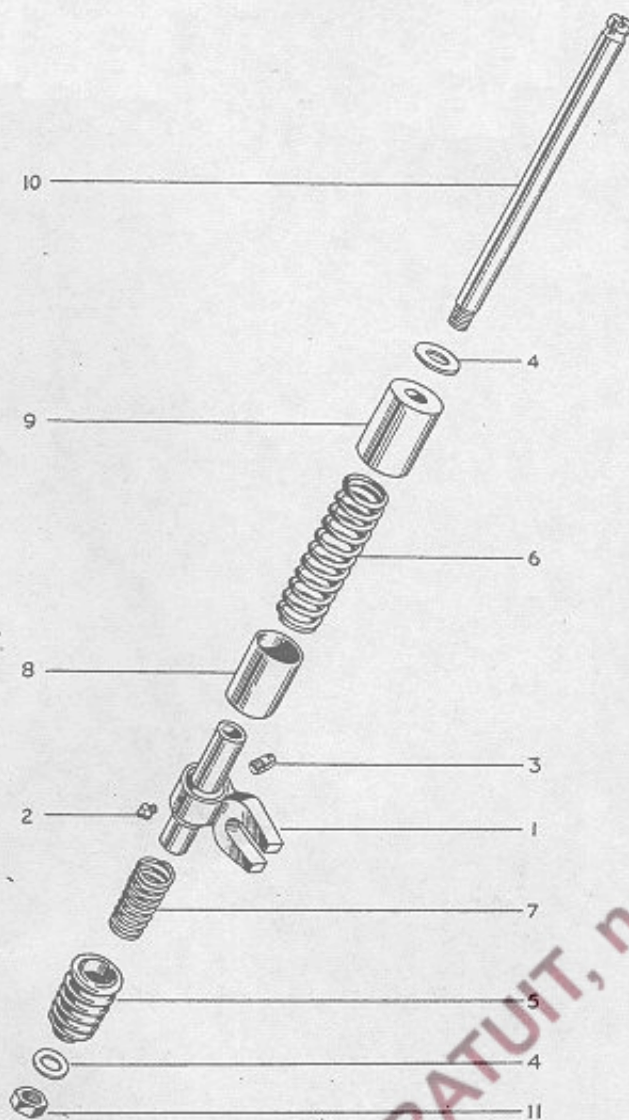


FIG. 4. FRAME AND COMPONENTS.

For Index See Page 21.





**FIG. 5.  
REAR  
SUSPENSION.**

For Index see below

**INDEX TO FIG. 5.**

| Illust. No. | Part No.      | Page No. | Ref. No. |
|-------------|---------------|----------|----------|
| 1           | F4038         | 19       | 6        |
|             | E4037         | 19       | 7        |
| 2           | NW100         | 19       | 8        |
| 3           | F3718         | 19       | 9        |
| 4           | F3422 (Upper) | 19       | 10       |
|             | F3577 (Lower) | 19       | 11       |
| 5           | F3423         | 19       | 12       |
| 6           | F3425         | 19       | 13       |
| 7           | F3426         | 19       | 14       |
| 8           | F3427         | 19       | 15       |
| 9           | F3428         | 19       | 16       |
| 10          | F3853         | 19       | 17       |
| 11          | F3854         | 19       | 18       |

**INDEX TO FIG. 4. PAGE 20.**

| Illust. No. | Part No. | Page No. | Ref. No. | Illust. No. | Part No. | Page No. | Ref. No. |
|-------------|----------|----------|----------|-------------|----------|----------|----------|
| 1           | F3926    | 19       | 1        | 20          | F3468 -  | 39       | 2        |
| 2           | F3953    | 19       | 2        | 21          | F3449    | 39       | 13       |
| 3           | F3954    | 19       | 3        | 22          | F3450    | 39       | 14       |
| 4           | F3955    | 19       | 4        | 23          | F1695    | 39       | 15       |
| 5           | F4038    | 19       | 6        | 24          | F3448    | 39       | 16       |
| 6           | F4037    | 19       | 7        | 25          | H193     | 39       | 17       |
| 8           | F3427    | 19       | 15       | 26          | F3456    | 40       | 1        |
| 9           | F3428    | 19       | 16       | 27          | F3459    | 40       | 2        |
| 10          | F3430    | 19       | 19       |             | F3933    | 40       | 3        |
| 11          | E470     | 19       | 20       | 28          | SI-51    | 40       | 4        |
| 12          | F3763    | 19       | 24       | 29          | T224     | 40       | 6        |
|             | F3957    | 19       | 25       | 30          | F3498    | 37       | 10       |
| 13          | F3747    | 19       | 26       | 31          | SI-51    | 37       | 11       |
|             | F3960    | 19       | 27       | 32          | F3460    | 40       | 8        |
| 14          | F3520    | 19       | 28       | 33          | F3463    | 40       | 12       |
| 15          | F3520    | 19       | 28       | 34          | F3681    | 19       | 30       |
| 16          | DS47     | 19       | 29       |             | F3937    | 19       | 31       |
| 17          | H835     | 25       | 16       | 35          | F3097    | 19       | 32       |
| 18          | F2596    | 37       | 23       | 36          | F3096    | 19       | 33       |
| 19          | SI-51    | 39       | 1        | 37          | F3610    | 19       | 34       |



# GROUP 7 — TELESCOPIC FRONT FORK

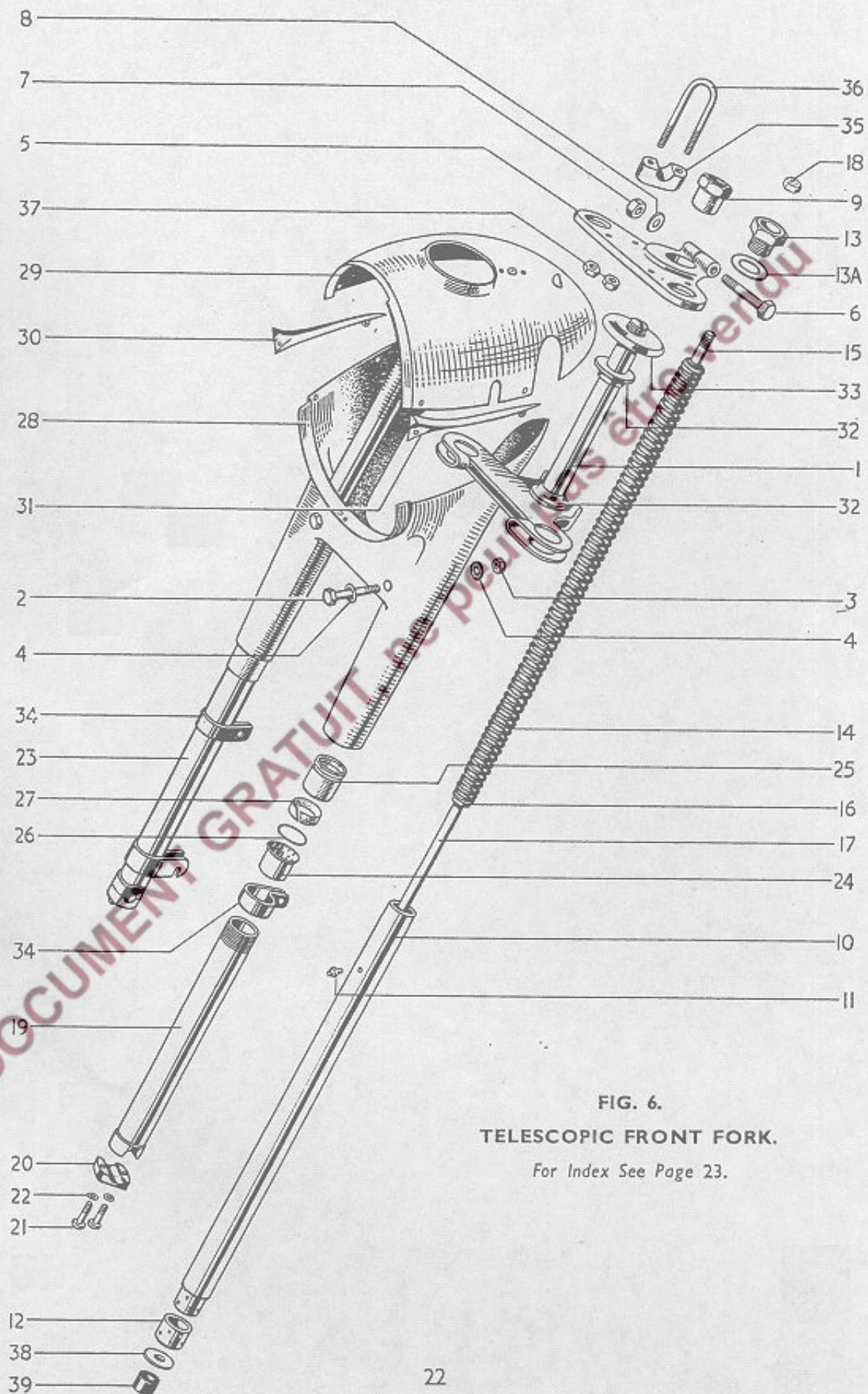


FIG. 6.  
TELESCOPIC FRONT FORK.

For Index See Page 23.



## INDEX TO FIG. 6. PAGE 22.

| Illust. No. | Part No. | Page No. | Ref. No. |
|-------------|----------|----------|----------|
| 1           | H828     | 24       | 2        |
| 2           | H834     | 24       | 3        |
| 3           | H518     | 24       | 4        |
| 4           | S25-3    | 24       | 6        |
| 5           | H837     | 24       | 7        |
| 6           | H570     | 24       | 8        |
| 7           | S1-51    | 24       | 9        |
| 8           | S25-3    | 24       | 10       |
| 9           | H840     | 24       | 11       |
| 10          | H843     | 24       | 12       |
| 11          | NW100    | 24       | 13       |
| 12          | H845     | 24       | 14       |
| 13          | H846     | 24       | 15       |
| 13A         | E2287    | 24       | 16       |
| 14          | H847     | 24       | 19       |
| 15          | H850     | 24       | 20       |
| 16          | H851     | 24       | 21       |
| 17          | H852     | 24       | 22       |
| 18          | S1-51    | 24       | 23       |
| 19          | H853     | 24       | 24       |
| 20          | H856     | 24       | 26       |
| 21          | W932     | 24       | 27       |
| 22          | E1612    | 24       | 28       |
| 23          | H948     | 24       | 25       |
| 24          | H860     | 24       | 29       |
| 25          | H861     | 25       | 1        |
| 26          | H862     | 25       | 2        |
| 27          | H863     | 25       | 3        |
| 28          | H823     | 25       | 4        |
| 29          | H822     | 25       | 5        |
| 30          | H877     | 25       | 6        |
| 31          | H878     | 25       | 7        |
| 32          | H833     | 25       | 17       |
| 33          | H836     | 25       | 19       |
| 34          | H873     | 31       | 8        |
| 35          | H864     | 40       | 18       |
| 36          | H865     | 40       | 19       |
| 37          | F879     | 40       | 20       |
| 38          | H902     | 24       | 18       |
| 39          | H903     | 24       | 17       |



# GROUP 7 — TELESCOPIC FRONT FORK

REF. No. PART No

DESCRIPTION

QUANTITY

## TELESCOPIC FRONT FORK — GROUP 7

Illustrated on Page 22—Fig. 6

| FRONT FORK |       |                                               |     |     |     |     |     | T15 | T20 |
|------------|-------|-----------------------------------------------|-----|-----|-----|-----|-----|-----|-----|
| 1          | H827  | Fork, assembly ... ..                         | ... | ... | ... | ... | ... | 1   | 1   |
| 2          | H828  | Lug, fork stem and middle ... ..              | ... | ... | ... | ... | ... | 1   | 1   |
| 3          | H834  | Bolt, middle lug pinch ... ..                 | ... | ... | ... | ... | ... | 2   | 2   |
| 4          | H518  | Nut, middle lug pinch bolt ... ..             | ... | ... | ... | ... | ... | 2   | 2   |
| 5          | F3098 | Clip, for front brake cable ... ..            | ... | ... | ... | ... | ... | 1   | 1   |
| 6          | S25-3 | Washer, middle lug pinch bolt ... ..          | ... | ... | ... | ... | ... | 4   | 4   |
| 7          | H837  | Lug, fork top ... ..                          | ... | ... | ... | ... | ... | 1   | 1   |
| 8          | H570  | Bolt, fork top lug clamp ... ..               | ... | ... | ... | ... | ... | 1   | 1   |
| 9          | SI-51 | Nut, fork top lug clamp bolt ... ..           | ... | ... | ... | ... | ... | 1   | 1   |
| 10         | S25-3 | Washer, fork top lug clamp bolt ... ..        | ... | ... | ... | ... | ... | 1   | 1   |
| 11         | H840  | Sleeve nut, fork stem ... ..                  | ... | ... | ... | ... | ... | 1   | 1   |
| 12         | H843  | Stanchion fork c/w bush ... ..                | ... | ... | ... | ... | ... | 2   | 2   |
| 13         | NW100 | Grease nipple, stanchion ... ..               | ... | ... | ... | ... | ... | 2   | 2   |
| 14         | H845  | Bush, stanchion bottom ... ..                 | ... | ... | ... | ... | ... | 2   | 2   |
| 15         | H846  | Nut, stanchion to top lug ... ..              | ... | ... | ... | ... | ... | 2   | 2   |
| 16         | E2287 | Washer, stanchion to top lug nut ... ..       | ... | ... | ... | ... | ... | 2   | 2   |
| 17         | H903  | Buffer, stanchion rubber ... ..               | ... | ... | ... | ... | ... | 2   | 2   |
| 18         | H902  | Washer, stanchion rubber buffer ... ..        | ... | ... | ... | ... | ... | 2   | 2   |
| 19         | H847  | Spring, fork c/w studs, etc. ... ..           | ... | ... | ... | ... | ... | 2   | 2   |
| 20         | H850  | Stud, fork spring (short) top ... ..          | ... | ... | ... | ... | ... | 2   | 2   |
| 21         | H851  | Stopnut, fork spring (bottom) ... ..          | ... | ... | ... | ... | ... | 2   | 2   |
| 22         | H852  | Rod, fork spring anchor (bottom) ... ..       | ... | ... | ... | ... | ... | 2   | 2   |
| 23         | SI-51 | Nut, fork spring (short) stud ... ..          | ... | ... | ... | ... | ... | 2   | 2   |
| 24         | H853  | Member, outer lower c/w cap L.H. ... ..       | ... | ... | ... | ... | ... | 1   | 1   |
| 25         | H948  | Member, outer lower c/w cap R.H. ... ..       | ... | ... | ... | ... | ... | 1   | 1   |
| 26         | H856  | Cap, outer lower member lug spindle ... ..    | ... | ... | ... | ... | ... | 2   | 2   |
| 27         | W932  | Bolt, outer lower member lug spindle ... ..   | ... | ... | ... | ... | ... | 4   | 4   |
| 28         | E1612 | Washer, outer lower member lug spindle ... .. | ... | ... | ... | ... | ... | 4   | 4   |
| 29         | H860  | Bush, outer lower member top ... ..           | ... | ... | ... | ... | ... | 2   | 2   |



# TELESCOPIC FRONT FORK — GROUP 7

| REF. No.              | PART No. | DESCRIPTION                                          | QUANTITY |     |
|-----------------------|----------|------------------------------------------------------|----------|-----|
|                       |          |                                                      | T15      | T20 |
| 1                     | H861     | Sleeve nut, outer lower member ... ..                | 2        | 2   |
| 2                     | H862     | Washer, sleeve nut (steel) ... ..                    | 2        | 2   |
| 3                     | H863     | Washer, sleeve nut (felt) ... ..                     | 2        | 2   |
| 4                     | H823     | Nacelle, bottom unit ... ..                          | 1        | 1   |
| 5                     | H822     | Nacelle, top unit... ..                              | 1        | 1   |
| 6                     | H877     | Flash, L.H. (Motif) ... ..                           | 1        | 1   |
| 7                     | H878     | Flash, R.H. (Motif) ... ..                           | 1        | 1   |
| 8                     | H688     | Screw, flash and top and bottom unit ... ..          | 2        | 2   |
| 9                     | H691     | Nut, flash and top and bottom unit ... ..            | 2        | 2   |
| 10                    | E2880    | Washer, flash and top and bottom unit ... ..         | 2        | 2   |
| 11                    | H916     | Screw, flash and top and bottom unit (centre) ... .. | 2        | 2   |
| 12                    | H689     | Screw, top and bottom unit (rear) ... ..             | 2        | 2   |
| 13                    | H691     | Nut, top and bottom unit (rear) ... ..               | 2        | 2   |
| 14                    | E2880    | Washer, top and bottom unit (rear) ... ..            | 2        | 2   |
| 15                    | H961     | Grommet, control cables ... ..                       | 2        | 2   |
| <b>STEERING RACES</b> |          |                                                      |          |     |
| 16                    | H835     | Cup, steering race (top and bottom) ... ..           | 2        | 2   |
| 17                    | H833     | Cone, steering race (top and bottom) ... ..          | 2        | 2   |
| 18                    | S70-3    | Ball, steering race (top and bottom) ... ..          | 30       | 30  |
| 19                    | H836     | Cover, steering race dust ... ..                     | 1        | 1   |
| <b>LICENCE HOLDER</b> |          |                                                      |          |     |
| 20                    | D261     | Holder, licence ... ..                               | 1        | 1   |

**DESPATCHING GOODS.** Parts being returned to either the Distributor or Triumph Service Department for rectification should be well packed to avoid damage in transit. Cylinder barrels and cylinder heads are extremely vulnerable to breakage of the fins ; when casing, pack straw or old newspapers, etc., round the finning to prevent damage due to shock. Advice of despatch should be forwarded to the consignee and the sender MUST securely attach a label to the returned parts, clearly stating his name and address.

**RECEIVING GOODS.** Every possible precaution is taken to ensure that the sender's order has been correctly interpreted and the goods despatched are correct to the invoice. Parts sent in for repair are tested before despatch and are subsequently covered, by our guarantee on Page 53. In the event of any shortage or damage in transit, we must be advised within 48 hours of arrival in order that the necessary action can be taken. No claim can be entertained after this period.



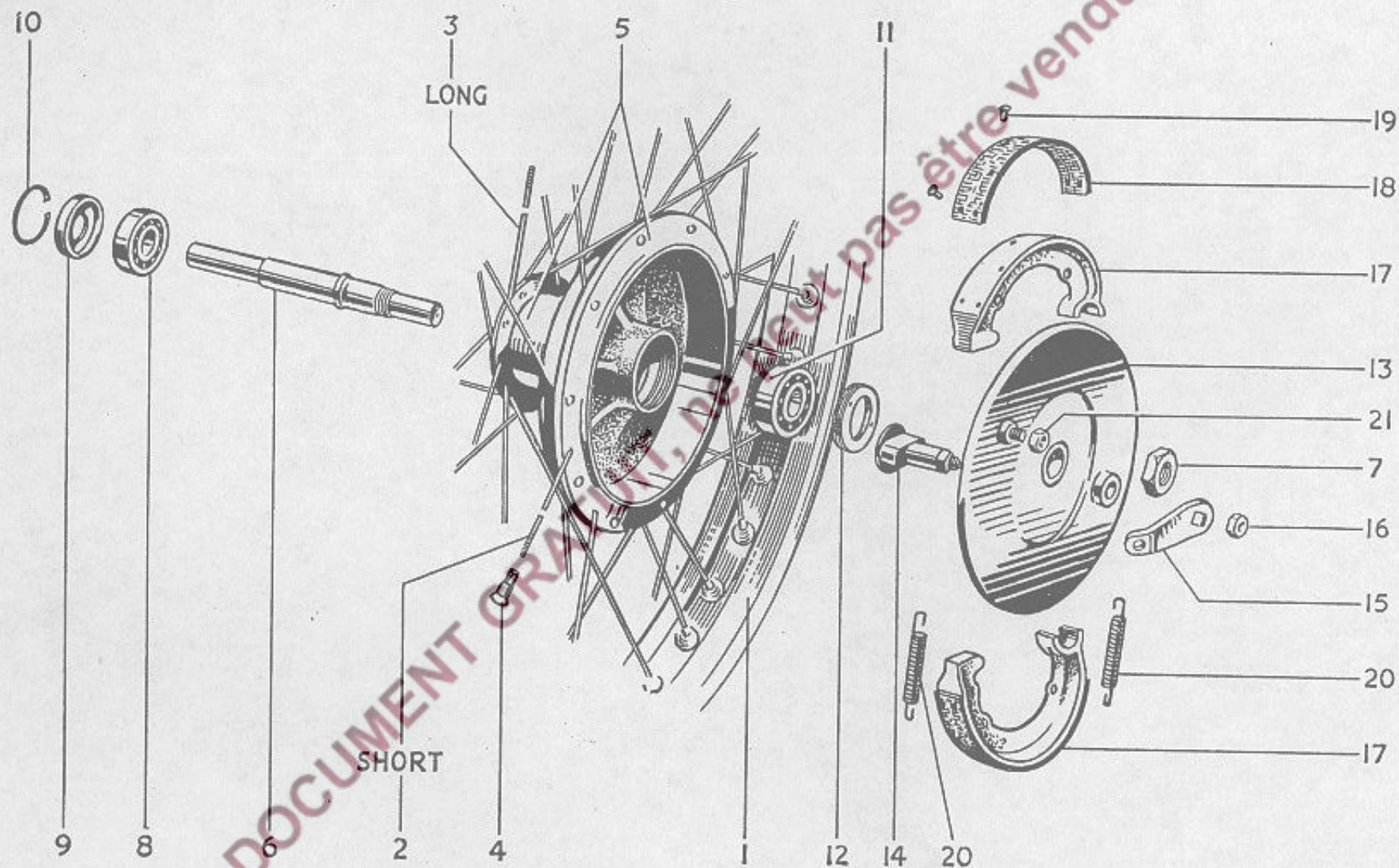


FIG. 7. FRONT WHEEL.

For Index See Page 27.



# WHEELS — GROUP 8

REF. No. PART No.

DESCRIPTION

QUANTITY

## WHEELS — GROUP 8

Illustrated on Page 26—Fig. 7

### FRONT WHEEL

|    |       |                                          |     |     |     |     |     |     | T15 | T20 |
|----|-------|------------------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|
| 1  | W1001 | Wheel, front, complete                   | ... | ... | ... | ... | ... | ... | 1   | —   |
| 2  | W1171 | Wheel, front complete                    | ... | ... | ... | ... | ... | ... | —   | 1   |
| 3  | W960  | Rim, spokes and hub assembly             | ... | ... | ... | ... | ... | ... | 1   | —   |
| 4  | W1172 | Rim, spokes and hub assembly             | ... | ... | ... | ... | ... | ... | —   | 1   |
| 5  | W1002 | Rim, front wheel, W.M.1.-19              | ... | ... | ... | ... | ... | ... | 1   | —   |
| 6  | W1173 | Rim, front wheel, W.M.2-16               | ... | ... | ... | ... | ... | ... | —   | 1   |
| 7  | W963  | Spoke and nipple, L.H., 8½ ins. 90°      | ... | ... | ... | ... | ... | ... | 20  | —   |
| 8  | W964  | Spoke and nipple, R.H., 6¾ ins. 90°      | ... | ... | ... | ... | ... | ... | 20  | —   |
| 9  | W1174 | Spoke and nipple, L.H., 6¾ ins. 90°      | ... | ... | ... | ... | ... | ... | —   | 20  |
| 10 | W1175 | Spoke and nipple, R.H., 5½ ins. 90°      | ... | ... | ... | ... | ... | ... | —   | 20  |
| 11 | W965  | Nipple, spoke                            | ... | ... | ... | ... | ... | ... | 40  | 40  |
| 12 | W961  | Hub and brake drum assembly              | ... | ... | ... | ... | ... | ... | 1   | 1   |
| 13 | W967  | Spindle, front wheel                     | ... | ... | ... | ... | ... | ... | 1   | 1   |
| 14 | W1093 | Nut, front wheel spindle to anchor plate | ... | ... | ... | ... | ... | ... | 1   | 1   |
| 15 | T530  | Bearing, front wheel L.H.                | ... | ... | ... | ... | ... | ... | 1   | 1   |
| 16 | W966  | Dust cap, front wheel L.H.               | ... | ... | ... | ... | ... | ... | 1   | 1   |
| 17 | T532  | Circlip, front wheel L.H. dust cap       | ... | ... | ... | ... | ... | ... | 1   | 1   |
| 18 | H826  | Bearing, front wheel R.H.                | ... | ... | ... | ... | ... | ... | 1   | 1   |
| 19 | W968  | Ring, front wheel R.H. locking           | ... | ... | ... | ... | ... | ... | 1   | 1   |

### FRONT WHEEL BRAKE

|    |        |                           |     |     |     |     |     |     |   |   |
|----|--------|---------------------------|-----|-----|-----|-----|-----|-----|---|---|
| 20 | W969   | Plate, front brake anchor | ... | ... | ... | ... | ... | ... | 1 | — |
| 21 | W1065  | Plate, front brake anchor | ... | ... | ... | ... | ... | ... | — | 1 |
| 22 | W1128  | Cam assembly, front brake | ... | ... | ... | ... | ... | ... | 1 | 1 |
| 23 | W1130  | Lever, front brake        | ... | ... | ... | ... | ... | ... | 1 | 1 |
| 24 | T224   | Nut, front brake lever    | ... | ... | ... | ... | ... | ... | 1 | 1 |
| 25 | S25-71 | Washer, front brake lever | ... | ... | ... | ... | ... | ... | 1 | 1 |

### INDEX TO FIG. 7. PAGE 26.

| Illust. No. | Part No. | Page No. | Ref. No. | Illust. No. | Part No. | Page No. | Ref. No. |
|-------------|----------|----------|----------|-------------|----------|----------|----------|
| 1           | W1002    | 27       | 5        | 11          | H826     | 27       | 18       |
|             | W1173    | 27       | 6        | 12          | W968     | 27       | 19       |
| 2           | W964     | 27       | 8        | 13          | W969     | 27       | 20       |
|             | W1175    | 27       | 10       |             | W1065    | 27       | 21       |
| 3           | W963     | 27       | 7        | 14          | W1128    | 27       | 22       |
|             | W1174    | 27       | 9        | 15          | W1130    | 27       | 23       |
| 4           | W965     | 27       | 11       | 16          | T224     | 27       | 24       |
| 5           | W961     | 27       | 12       | 17          | W977     | 29       | 1        |
| 6           | W967     | 27       | 13       | 18          | W978     | 29       | 2        |
| 7           | W1093    | 27       | 14       | 19          | W979     | 29       | 3        |
| 8           | T530     | 27       | 15       | 20          | W200     | 29       | 4        |
| 9           | W966     | 27       | 16       | 21          | SI-52    | 29       | 5        |
| 10          | T532     | 27       | 17       |             |          |          |          |



GROUP 8 - WHEELS

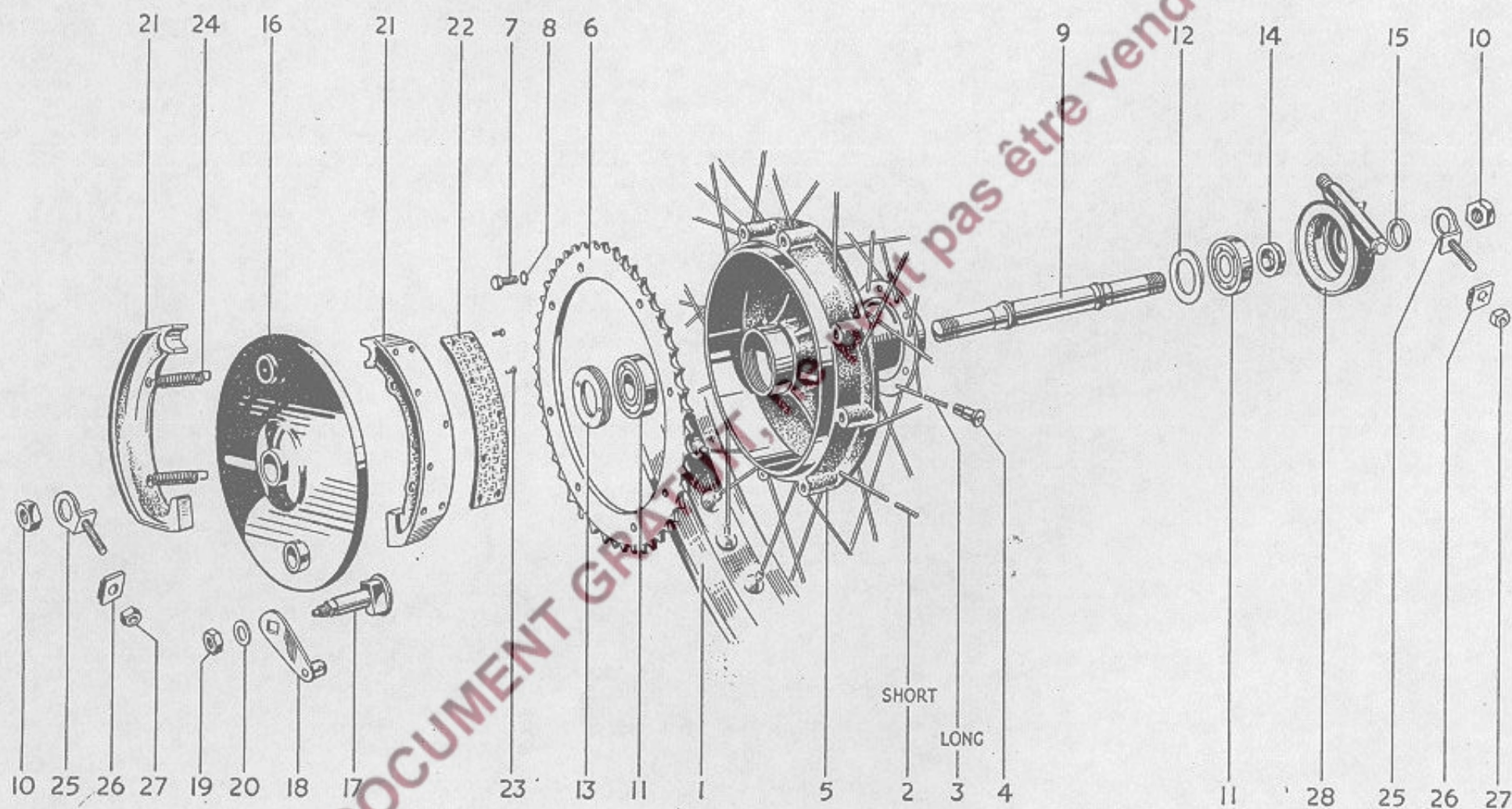


FIG. 8. REAR WHEEL.

For Index See Page 29.



| REF. No. PART No. |       | DESCRIPTION                                  | QUANTITY |     |
|-------------------|-------|----------------------------------------------|----------|-----|
|                   |       |                                              | T15      | T20 |
| 1                 | W977  | Shoe, front brake c/w lining ... ..          | 2        | 2   |
| 2                 | W978  | Lining, front brake ... ..                   | 2        | 2   |
| 3                 | W979  | Rivet, front brake lining ... ..             | 12       | 12  |
| 4                 | W200  | Spring, front brake shoe ... ..              | 2        | 2   |
| 5                 | S1-52 | Nut, front brake anchorage to clip ... ..    | 1        | 1   |
| 6                 | S26-1 | Washer, front brake anchorage to clip ... .. | 1        | 1   |

## REAR WHEEL

|    |       |                                                                       |    |    |
|----|-------|-----------------------------------------------------------------------|----|----|
| 7  | W1207 | Wheel, rear, complete ... ..                                          | 1  | —  |
| 8  | W1211 | Wheel, rear, complete ... ..                                          | —  | 1  |
| 9  | W1208 | Rim, spokes and hub assembly ... ..                                   | 1  | —  |
| 10 | W1212 | Rim, spokes and hub assembly ... ..                                   | —  | 1  |
| 11 | W1002 | Rim, rear wheel W.M.1-19 ... ..                                       | 1  | —  |
| 12 | W1173 | Rim, rear wheel W.M.2-16 ... ..                                       | —  | 1  |
| 13 | W963  | Spoke and nipple R.H. $8\frac{1}{2}$ ins. $90^\circ$ ... ..           | 20 | —  |
| 14 | W1174 | Spoke and nipple R.H. $6\frac{3}{8}$ ins. $90^\circ$ ... ..           | —  | 20 |
| 15 | W1205 | Spoke and nipple L.H. butted $6\frac{7}{8}$ ins. $100^\circ$ ... ..   | 10 | —  |
| 16 | W1206 | Spoke and nipple L.H. butted $6\frac{7}{8}$ ins. $80^\circ$ ... ..    | 10 | —  |
| 17 | W1213 | Spoke and nipple L.H. butted $5\frac{15}{16}$ ins. $100^\circ$ ... .. | —  | 10 |
| 18 | W1214 | Spoke and nipple L.H. butted $5\frac{15}{16}$ ins. $80^\circ$ ... ..  | —  | 10 |
| 19 | W965  | Nipple ... ..                                                         | 40 | 40 |
| 20 | W1209 | Hub and brake drum ... ..                                             | 1  | 1  |
| 21 | W984  | Sprocket, 48 teeth ... ..                                             | 1  | —  |
| 22 | W1076 | Sprocket, 54 teeth ... ..                                             | —  | 1  |
| 23 | W985  | Bolt, sprocket to brake drum ... ..                                   | 8  | 8  |
| 24 | W1122 | Washer, sprocket bolt ... ..                                          | 8  | 8  |

## INDEX TO FIG. 8. PAGE 28.

| Illust. No. | Part No. | Page No. | Ref. No. | Illust. No. | Part No. | Page No. | Ref. No. |
|-------------|----------|----------|----------|-------------|----------|----------|----------|
| 1           | W1002    | 29       | 11       | 14          | W954     | 30       | 6        |
|             | W1173    | 29       | 12       | 15          | W995     | 30       | 7        |
| 2           | W1205    | 29       | 15       |             | W1183    | 30       | 8        |
|             | W1206    | 29       | 16       | 16          | W990     | 30       | 9        |
|             | W1213    | 29       | 17       |             | W1179    | 30       | 10       |
|             | W1214    | 29       | 18       | 17          | W1128    | 30       | 11       |
| 3           | W963     | 29       | 13       | 18          | W1131    | 30       | 12       |
|             | W1174    | 29       | 14       |             | W1181    | 30       | 13       |
| 4           | W965     | 29       | 19       | 19          | T224     | 30       | 14       |
| 5           | W1209    | 29       | 20       | 20          | S25-71   | 30       | 15       |
| 6           | W984     | 29       | 21       | 21          | W97      | 30       | 16       |
|             | W1076    | 29       | 22       | 22          | W978     | 30       | 17       |
| 7           | W985     | 29       | 23       | 23          | W979     | 30       | 18       |
| 8           | W1122    | 29       | 24       | 24          | W200     | 30       | 19       |
| 9           | W989     | 30       | 1        | 25          | V-996    | 30       | 20       |
| 10          | W1000    | 30       | 2        | 26          | V-999    | 30       | 21       |
| 11          | H826     | 30       | 3        | 27          | F879     | 30       | 22       |
| 12          | W987     | 30       | 4        | 28          | D175     | 51       | 12       |
| 13          | W988     | 30       | 5        |             |          |          |          |



# GROUP 8 — WHEELS

| REF. No.                         | PART No. | DESCRIPTION                                            | QUANTITY |     |
|----------------------------------|----------|--------------------------------------------------------|----------|-----|
|                                  |          |                                                        | T15      | T20 |
| 1                                | W989     | Spindle, rear wheel ... ..                             | 1        | 1   |
| 2                                | W1000    | Nut, rear wheel spindle ... ..                         | 2        | 2   |
| 3                                | H826     | Bearing, rear wheel R.H. and L.H. ... ..               | 2        | 2   |
| 4                                | W987     | Backing ring, rear wheel bearing R.H. ... ..           | 1        | 1   |
| 5                                | W988     | Locking ring, rear wheel bearing L.H. ... ..           | 1        | 1   |
| 6                                | W954     | Distance piece, rear wheel spindle, inner, R.H. ... .. | 1        | 1   |
| 7                                | W995     | Distance piece, rear wheel spindle, outer, R.H. ... .. | 1        | —   |
| 8                                | W1183    | Distance piece, rear wheel spindle, outer, R.H. ... .. | —        | 1   |
| <b>REAR WHEEL BRAKE</b>          |          |                                                        |          |     |
| 9                                | W990     | Plate, rear brake anchor ... ..                        | 1        | —   |
| 10                               | W1179    | Plate, rear brake anchor ... ..                        | —        | 1   |
| 11                               | W1128    | Cam, rear brake ... ..                                 | 1        | 1   |
| 12                               | W1131    | Lever, rear brake ... ..                               | 1        | —   |
| 13                               | W1181    | Lever, rear brake ... ..                               | —        | 1   |
| 14                               | T224     | Nut, rear brake lever ... ..                           | 1        | 1   |
| 15                               | S25-71   | Washer, rear brake lever ... ..                        | 1        | 1   |
| 16                               | W977     | Shoe, rear brake c/w lining ... ..                     | 2        | 2   |
| 17                               | W978     | Lining, rear brake ... ..                              | 2        | 2   |
| 18                               | W979     | Rivet, rear brake ... ..                               | 12       | 12  |
| 19                               | W200     | Spring, rear brake shoe ... ..                         | 2        | 2   |
| <b>REAR WHEEL CHAIN ADJUSTER</b> |          |                                                        |          |     |
| 20                               | W996     | Adjuster, rear chain ... ..                            | 2        | 2   |
| 21                               | W999     | End plate, rear chain adjuster ... ..                  | 2        | 2   |
| 22                               | F879     | Nut, rear chain adjuster ... ..                        | 2        | 2   |



## MUDGUARDS — GROUP 9

Illustrated on page 32

## FRONT MUDGUARD

T15 T20

|    |       |                                 |     |     |     |     |     |   |   |
|----|-------|---------------------------------|-----|-----|-----|-----|-----|---|---|
| 1  | H868  | Mudguard, front ...             | ... | ... | ... | ... | ... | 1 | — |
| 2  | H929  | Mudguard, front ...             | ... | ... | ... | ... | ... | — | 1 |
| 3  | H871  | Stay, front mudguard, L.H.      | ... | ... | ... | ... | ... | 1 | 1 |
| 4  | H872  | Stay, front mudguard, R.H.      | ... | ... | ... | ... | ... | 1 | 1 |
| 5  | DS57  | Bolt, front mudguard stay       | ... | ... | ... | ... | ... | 4 | 4 |
| 6  | F879  | Nut, front mudguard stay        | ... | ... | ... | ... | ... | 4 | 4 |
| 7  | E1612 | Washer, front mudguard stay     | ... | ... | ... | ... | ... | 4 | 4 |
| 8  | H873  | Clip, fork leg centre bridge    | ... | ... | ... | ... | ... | 2 | 2 |
| 9  | GS218 | Bolt, clip ...                  | ... | ... | ... | ... | ... | 2 | 2 |
| 10 | F879  | Nut, clip ...                   | ... | ... | ... | ... | ... | 2 | 2 |
| 11 | E1612 | Washer, clip ...                | ... | ... | ... | ... | ... | 2 | 2 |
| 12 | F3023 | Distance piece, stay bolt       | ... | ... | ... | ... | ... | 2 | 2 |
| 13 | GS218 | Bolt, stay to fork lug bottom   | ... | ... | ... | ... | ... | 2 | 2 |
| 14 | E1612 | Washer, stay to fork lug bottom | ... | ... | ... | ... | ... | 2 | 2 |

## REAR MUDGUARD

|    |       |                                                |     |     |     |     |     |   |   |
|----|-------|------------------------------------------------|-----|-----|-----|-----|-----|---|---|
| 15 | F3479 | Mudguard, rear ...                             | ... | ... | ... | ... | ... | 1 | — |
| 16 | F3939 | Mudguard, rear ...                             | ... | ... | ... | ... | ... | — | 1 |
| 17 | F3484 | Stay, rear mudguard, L.H.                      | ... | ... | ... | ... | ... | 1 | — |
| 18 | F3942 | Stay, rear mudguard, L.H.                      | ... | ... | ... | ... | ... | — | 1 |
| 19 | F3488 | Stay, rear mudguard, R.H.                      | ... | ... | ... | ... | ... | 1 | — |
| 20 | F3944 | Stay, rear mudguard, R.H.                      | ... | ... | ... | ... | ... | — | 1 |
| 21 | DS57  | Bolt, rear mudguard stays                      | ... | ... | ... | ... | ... | 4 | 4 |
| 22 | F879  | Nut, rear mudguard stays                       | ... | ... | ... | ... | ... | 4 | 4 |
| 23 | E1612 | Washer, rear mudguard stays                    | ... | ... | ... | ... | ... | 4 | 4 |
| 24 | E470  | Nut, rear mudguard stays to plunger clamp bolt | ... | ... | ... | ... | ... | 2 | 2 |
| 25 | F1369 | Bolt, rear mudguard to bridge...               | ... | ... | ... | ... | ... | 1 | 1 |
| 26 | E1612 | Washer, rear mudguard to bridge                | ... | ... | ... | ... | ... | 1 | 1 |
| 27 | F879  | Nut, rear mudguard to bridge                   | ... | ... | ... | ... | ... | 1 | 1 |
| 28 | F3483 | Backing strip, mudguard to frame bridge        | ... | ... | ... | ... | ... | 1 | 1 |
| 29 | DS57  | Bolt, backing strip                            | ... | ... | ... | ... | ... | 2 | 2 |
| 30 | E1612 | Washer, backing strip bolt                     | ... | ... | ... | ... | ... | 2 | 2 |
| 31 | F879  | Nut, backing strip bolt                        | ... | ... | ... | ... | ... | 2 | 2 |
| 32 | E3203 | Grommet for mudguard holes                     | ... | ... | ... | ... | ... | 2 | 2 |



# GROUP 9 — MUDGUARDS



FIG. 9. MUDGUARDS, NUMBER PLATES AND REAR CHAINGUARD.  
For Index See Page 33.



# NUMBER PLATES — GROUP 10

REF. No. PART No.

DESCRIPTION

QUANTITY

## NUMBER PLATES — GROUP 10

Illustrated on Page 32—Fig. 9

### FRONT NUMBER PLATE

T15 T20

|   |      |                                    |     |     |     |     |     |   |   |
|---|------|------------------------------------|-----|-----|-----|-----|-----|---|---|
| 1 | H874 | Plate, front number                | ... | ... | ... | ... | ... | 1 | 1 |
| 2 | H741 | Clip, assembly, front number plate | ... | ... | ... | ... | ... | 2 | 2 |
| 3 | H687 | Screw, front number plate to clip  | ... | ... | ... | ... | ... | 2 | 2 |
| 4 | H745 | Nut, clip screw                    | ... | ... | ... | ... | ... | 2 | 2 |

### REAR NUMBER PLATE

|    |       |                               |     |     |     |     |     |   |   |
|----|-------|-------------------------------|-----|-----|-----|-----|-----|---|---|
| 5  | F3508 | Plate, rear number            | ... | ... | ... | ... | ... | 1 | 1 |
| 6  | F929  | Bolt, number plate top        | ... | ... | ... | ... | ... | 1 | 1 |
| 7  | SI-51 | Nut, top bolt                 | ... | ... | ... | ... | ... | 1 | 1 |
| 8  | S26-3 | Washer, top bolt              | ... | ... | ... | ... | ... | 1 | 1 |
| 9  | F1369 | Bolt, number plate bottom     | ... | ... | ... | ... | ... | 2 | 2 |
| 10 | F879  | Nut, bottom bolt              | ... | ... | ... | ... | ... | 2 | 2 |
| 11 | S26-2 | Washer, bottom bolt           | ... | ... | ... | ... | ... | 2 | 2 |
| 12 | D68   | Transfer, number plate motif  | ... | ... | ... | ... | ... | 1 | 1 |
| 13 | 57080 | Reflector, c/w nut and washer | ... | ... | ... | ... | ... | 1 | 1 |

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|-------------|----------|----------|----------|-------------|----------|----------|----------|
| 1           | H868     | 31       | 1        | 19          | F879     | 31       | 31       |
|             | H929     | 31       | 2        | 20          | F1369    | 33       | 9        |
| 2           | H871     | 31       | 3        | 21          | F879     | 33       | 10       |
| 3           | H872     | 31       | 4        | 22          | 57080    | 33       | 13       |
| 4           | DS57     | 31       | 5        | 23          | H874     | 33       | 1        |
| 5           | F879     | 31       | 6        | 24          | H741     | 33       | 2        |
| 6           | GS218    | 31       | 9        | 25          | H687     | 33       | 3        |
| 7           | F879     | 31       | 10       | 26          | H745     | 33       | 4        |
| 8           | GS218    | 31       | 13       | 27          | F3508    | 33       | 5        |
| 9           | F3479    | 31       | 15       | 28          | F929     | 33       | 6        |
|             | F3939    | 31       | 16       | 29          | SI-51    | 33       | 7        |
| 10          | F3484    | 31       | 17       | 31          | F3431    | 34       | 1        |
|             | F3942    | 31       | 18       |             | F3934    | 34       | 2        |
| 11          | F3488    | 31       | 19       | 32          | DS57     | 34       | 3        |
|             | F3944    | 31       | 20       | 33          | F3436    | 34       | 5        |
| 12          | DS57     | 31       | 21       |             | F3961    | 34       | 6        |
| 13          | F879     | 31       | 22       | 34          | F3437    | 34       | 7        |
| 14          | E470     | 31       | 24       |             | F3962    | 34       | 8        |
| 15          | F1369    | 31       | 25       | 35          | H745     | 34       | 9        |
| 16          | F879     | 31       | 27       | 36          | DS57     | 34       | 10       |
| 17          | F3483    | 31       | 28       | 37          | F3866    | 52       | 13       |
| 18          | DS57     | 31       | 29       |             |          |          |          |



**GROUP 11 — REAR CHAINGUARD****GROUP 12 — TOOLBOX, BATTERY CARRIER AND AIR CLEANER**

| REF. No. | PART No. | DESCRIPTION | QUANTITY |
|----------|----------|-------------|----------|
|----------|----------|-------------|----------|

**REAR CHAINGUARD — GROUP 11***Illustrated on Page 32—Fig. 9*

|    |       |                                   |     |     |     |     |     |     | T15 | T20 |
|----|-------|-----------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|
| 1  | F3431 | Chainguard, rear                  | ... | ... | ... | ... | ... | ... | 1   | —   |
| 2  | F3934 | Chainguard, rear                  | ... | ... | ... | ... | ... | ... | —   | 1   |
| 3  | DS57  | Bolt, chainguard to crankcase     | ... | ... | ... | ... | ... | ... | 1   | 1   |
| 4  | S26-2 | Washer, crankcase bolt            | ... | ... | ... | ... | ... | ... | 1   | 1   |
| 5  | F3436 | Screw, chainguard to mudguard     | ... | ... | ... | ... | ... | ... | 1   | —   |
| 6  | F3961 | Screw, chainguard to mudguard     | ... | ... | ... | ... | ... | ... | —   | 1   |
| 7  | F3437 | Distance piece, mudguard screw    | ... | ... | ... | ... | ... | ... | 1   | —   |
| 8  | F3962 | Distance piece, mudguard screw    | ... | ... | ... | ... | ... | ... | —   | 1   |
| 9  | H745  | Nut, mudguard screw               | ... | ... | ... | ... | ... | ... | 1   | 1   |
| 10 | DS57  | Bolt, chainguard to mudguard stay | ... | ... | ... | ... | ... | ... | 1   | 1   |
| 11 | E3203 | Grommet, stop/tail light lead     | ... | ... | ... | ... | ... | ... | 1   | 1   |

**TOOLBOX, BATTERY CARRIER AND AIR CLEANER****GROUP 12***Illustrated on Page 35—Fig. 10*

|    |        |                                                  |     |     |     |     |     |     |   |   |
|----|--------|--------------------------------------------------|-----|-----|-----|-----|-----|-----|---|---|
| 12 | F3491  | Toolbox, battery and air cleaner assembly casing | ... | ... | ... | ... | ... | ... | 1 | 1 |
| 13 | F3470  | Pad, battery, rubber moulded                     | ... | ... | ... | ... | ... | ... | 2 | 2 |
| 14 | F3418  | Container, air cleaner                           | ... | ... | ... | ... | ... | ... | 1 | 1 |
| 15 | H251   | Beading, air cleaner container, rubber...        | ... | ... | ... | ... | ... | ... | 1 | 1 |
| 16 | F3492  | Element, air cleaner                             | ... | ... | ... | ... | ... | ... | 1 | 1 |
| 17 | F3656  | Stud, air cleaner to case                        | ... | ... | ... | ... | ... | ... | 1 | 1 |
| 18 | H745   | Nut, air cleaner to case                         | ... | ... | ... | ... | ... | ... | 1 | 1 |
| 19 | F3473  | Strap, battery case                              | ... | ... | ... | ... | ... | ... | 1 | 1 |
| 20 | F3472  | Hook-bolt, battery case strap and lid            | ... | ... | ... | ... | ... | ... | 1 | 1 |
| 21 | F879   | Nut, battery case hook bolt                      | ... | ... | ... | ... | ... | ... | 1 | 1 |
| 22 | F3493  | Lid, casing c/w knob                             | ... | ... | ... | ... | ... | ... | 1 | 1 |
| 23 | F3474  | Knob, casing lid                                 | ... | ... | ... | ... | ... | ... | 1 | 1 |
| 24 | F3475  | Circlip, casing lid knob                         | ... | ... | ... | ... | ... | ... | 1 | 1 |
| 25 | F3478  | Connector, air cleaner to carburetter            | ... | ... | ... | ... | ... | ... | 1 | 1 |
| 26 | E3203  | Grommet, oil tank vent                           | ... | ... | ... | ... | ... | ... | 1 | 1 |
| 27 | I99002 | Grommet, wiring harness                          | ... | ... | ... | ... | ... | ... | 1 | 1 |



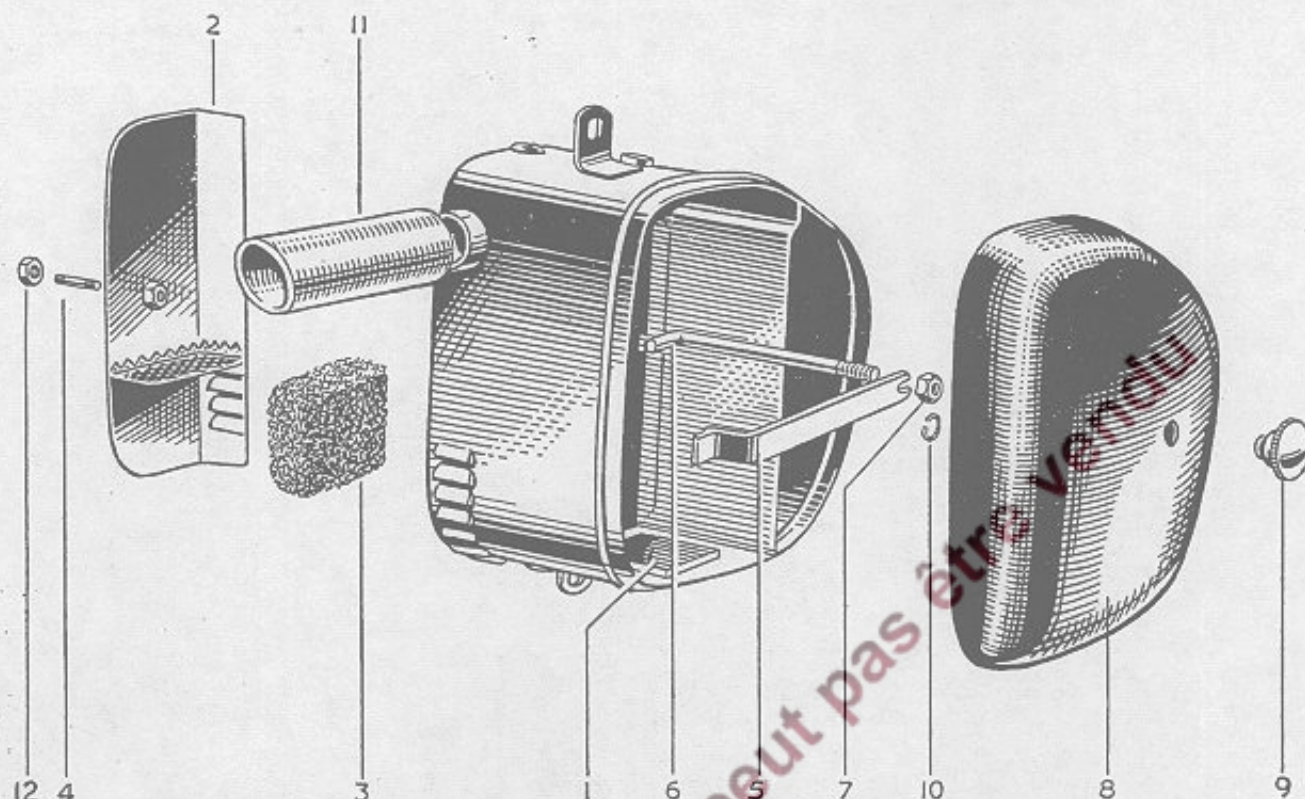


FIG. 10. TOOLBOX, BATTERY CARRIER AND AIR CLEANER.

INDEX TO FIG. 10

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| 1           | F3470    | 34       | 13       | 7           | F879     | 34       | 21       |
| 2           | F3418    | 34       | 14       | 8           | F3493    | 34       | 22       |
| 3           | F3492    | 34       | 16       | 9           | F3474    | 34       | 23       |
| 4           | F3656    | 34       | 17       | 10          | F3475    | 34       | 24       |
| 5           | F3473    | 34       | 19       | 11          | F3478    | 34       | 25       |
| 6           | F3472    | 34       | 20       | 12          | H745     | 34       | 18       |

TOOLS — GROUP 13

Illustrated on page 36

| REF. No. | PART No. | DESCRIPTION                                                                                                             | QUANTITY |     |
|----------|----------|-------------------------------------------------------------------------------------------------------------------------|----------|-----|
|          |          |                                                                                                                         | T15      | T20 |
| 1        | D290     | Tool kit, complete                                                                                                      | 1        | 1   |
| 2        | D291     | Toolbag                                                                                                                 | 1        | 1   |
| 3        | D299     | Spanner, open ended, $\frac{3}{8}$ " $\times$ $\frac{7}{16}$ " Whit.                                                    | 1        | 1   |
| 4        | D292     | Spanner, open ended, $\frac{1}{8}$ " $\times$ $\frac{3}{16}$ " $\times$ $\frac{1}{4}$ " $\times$ $\frac{5}{16}$ " Whit. | 1        | 1   |
| 5        | D293     | Spanner, combination square $\times$ $\frac{3}{16}$ " $\times$ $\frac{5}{16}$ " $\times$ $\frac{1}{2}$ " Whit.          | 1        | 1   |
| 6        | D294     | Spanner, screwdriver and box, $\frac{1}{4}$ " Whit.                                                                     | 1        | 1   |
| 7        | DA70     | Key, clutch adjusting                                                                                                   | 1        | 1   |
| 8        | NA14A    | Lever, tyre                                                                                                             | 1        | 1   |
| 9        | D335     | Screwdriver, Phillips No. 2                                                                                             | 1        | 1   |
| 10       | D296     | Inflator, tyre (not included in D290)                                                                                   | 1        | 1   |



# GROUP 13 - TOOLS

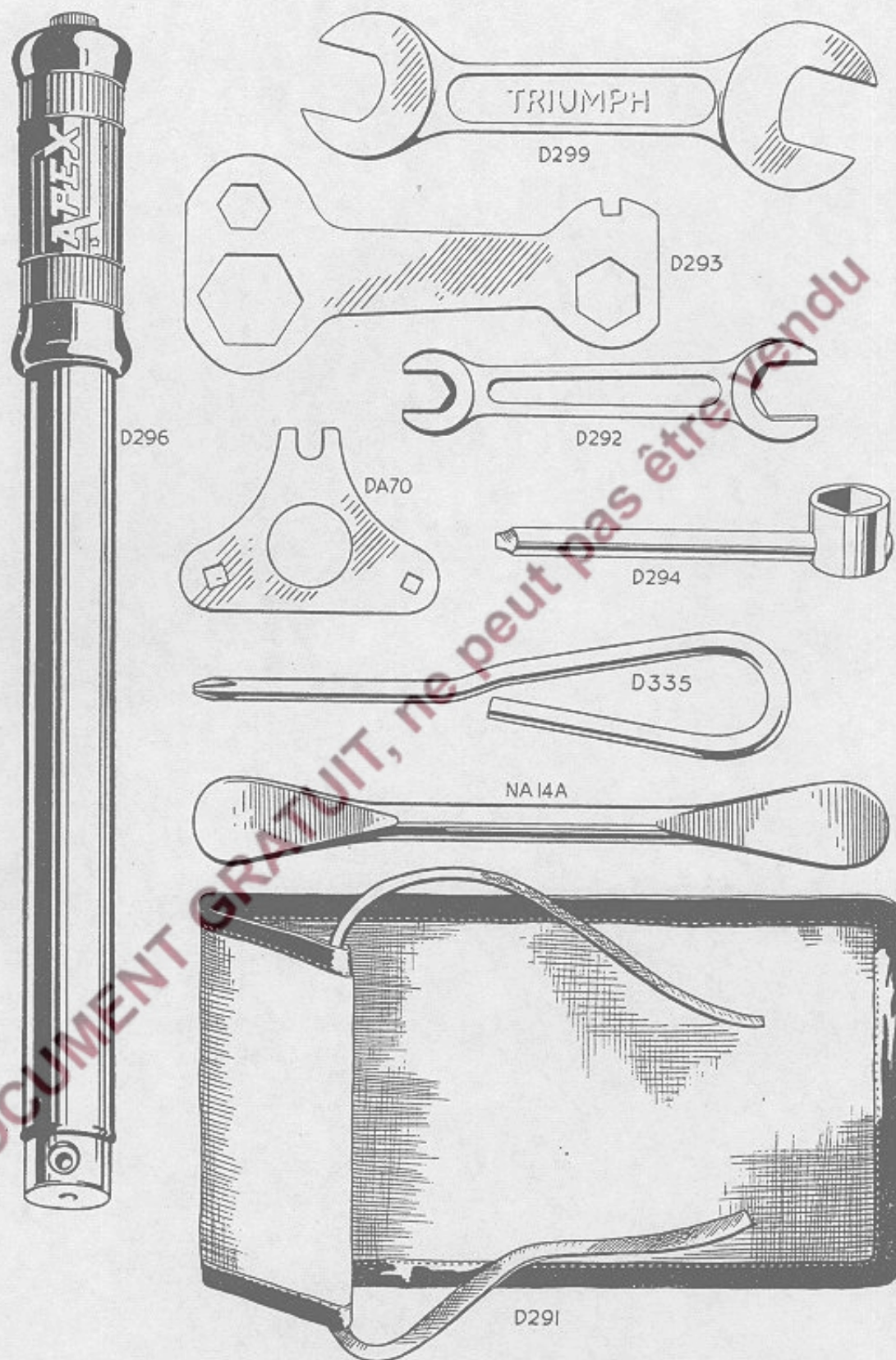


FIG. 11. TOOLS.



# PETROL AND OIL TANKS — GROUP 14

REF. No. PART No.

DESCRIPTION

QUANTITY

## PETROL AND OIL TANKS — GROUP 14

Illustrated on page 38

| PETROL TANK |       |                                    |     |     |     |     |     | T15 | T20 |
|-------------|-------|------------------------------------|-----|-----|-----|-----|-----|-----|-----|
| 1           | F3505 | Tank, petrol, less fittings        | ... | ... | ... | ... | ... | 1   | —   |
| 2           | F3963 | Tank, petrol, less fittings        | ... | ... | ... | ... | ... | —   | 1   |
| 3           | F3220 | Cap, petrol tank                   | ... | ... | ... | ... | ... | 1   | 1   |
| 4           | F3494 | Styling band, petrol tank, L.H.    | ... | ... | ... | ... | ... | 1   | —   |
| 5           | F4032 | Styling band, petrol tank, L.H.    | ... | ... | ... | ... | ... | —   | 1   |
| 6           | F3495 | Styling band, petrol tank, R.H.    | ... | ... | ... | ... | ... | 1   | —   |
| 7           | F4033 | Styling band, petrol tank, R.H.    | ... | ... | ... | ... | ... | —   | 1   |
| 8           | F3496 | Name plate, petrol tank            | ... | ... | ... | ... | ... | 2   | 2   |
| 9           | F3497 | Screw, name plate and band to tank | ... | ... | ... | ... | ... | 4   | 4   |
| 10          | F3498 | Bolt, petrol tank to frame         | ... | ... | ... | ... | ... | 2   | 2   |
| 11          | SI-51 | Nut, petrol tank to frame bolt     | ... | ... | ... | ... | ... | 2   | 2   |
| 12          | S25-3 | Washer, petrol tank to frame bolt  | ... | ... | ... | ... | ... | 3   | 3   |
| 13          | F3098 | Clip, L.H. front bolt              | ... | ... | ... | ... | ... | 1   | 1   |
| 14          | F3506 | Tap, petrol tank                   | ... | ... | ... | ... | ... | 1   | 1   |
| 15          | E697  | Washer, petrol tank tap joint      | ... | ... | ... | ... | ... | 1   | 1   |
| 16          | F3499 | Pipe, petrol feed                  | ... | ... | ... | ... | ... | 1   | 1   |
| 17          | FI605 | Knee grip, petrol tank R.H.        | ... | ... | ... | ... | ... | 1   | 1   |
| 18          | FI606 | Knee grip, petrol tank L.H.        | ... | ... | ... | ... | ... | 1   | 1   |
| OIL TANK    |       |                                    |     |     |     |     |     |     |     |
| 19          | F3464 | Tank, oil, less fittings           | ... | ... | ... | ... | ... | 1   | 1   |
| 20          | F3216 | Cap, oil tank                      | ... | ... | ... | ... | ... | 1   | 1   |
| 21          | F3876 | Filter, oil tank                   | ... | ... | ... | ... | ... | 1   | 1   |
| 22          | FI511 | Washer, oil tank filter joint      | ... | ... | ... | ... | ... | 1   | 1   |
| 23          | F2596 | Bolt, oil tank to frame bottom     | ... | ... | ... | ... | ... | 1   | 1   |
| 24          | F3477 | Distance piece, oil tank bottom    | ... | ... | ... | ... | ... | 1   | 1   |

### INDEX TO FIG. 12. PAGE 38.

| Illust. No. | Part No. | Page No. | Ref. No. | Illust. No. | Part No. | Page No. | Ref. No. |
|-------------|----------|----------|----------|-------------|----------|----------|----------|
| 1           | F3505    | 37       | 1        | 10          | FI605    | 37       | 17       |
|             | F3963    | 37       | 2        | 11          | FI606    | 37       | 18       |
| 2           | F3220    | 37       | 3        | 12          | F3464    | 37       | 19       |
| 3           | F3494    | 37       | 4        | 13          | F3216    | 37       | 20       |
|             | F4032    | 37       | 5        | 14          | F3876    | 37       | 21       |
| 4           | F3495    | 37       | 6        | 15          | FI511    | 37       | 22       |
|             | F4033    | 37       | 7        | 16          | E3270    | 39       | 5        |
| 5           | F3496    | 37       | 8        | 17          | F3503    | 39       | 6        |
| 6           | F3497    | 37       | 9        | 18          | F3504    | 39       | 7        |
| 7           | F3506    | 37       | 14       | 19          | F3077    | 39       | 8        |
| 8           | E697     | 37       | 15       | 20          | E3244    | 8        | 33       |
| 9           | F3499    | 37       | 16       | 21          | E3383    | 9        | 3        |



# GROUP 14 – PETROL AND OIL TANKS

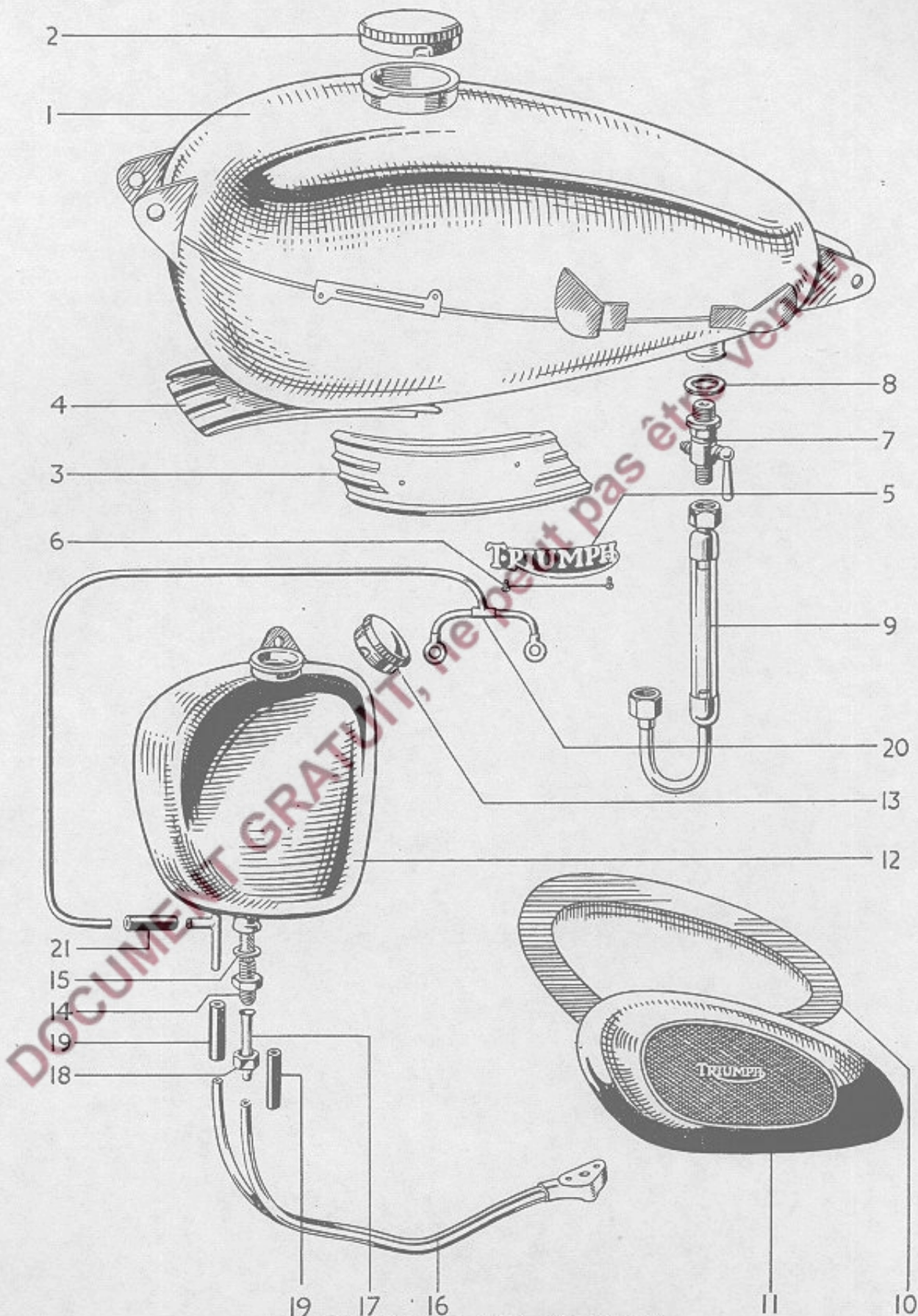


FIG. 12. PETROL AND OIL TANKS.  
For Index See Page 37.



# FOOTRESTS — GROUP 15

| REF. No. | PART No. | DESCRIPTION                                       | QUANTITY |     |
|----------|----------|---------------------------------------------------|----------|-----|
|          |          |                                                   | T15      | T20 |
| 1        | SI-51    | Nut, oil tank bolt ... ..                         | 2        | 2   |
| 2        | F3468    | Bolt, oil tank to frame top ... ..                | 1        | 1   |
| 3        | F3476    | Distance piece, oil tank top ... ..               | 2        | 2   |
| 4        | S25-3    | Washer, oil tank top bolt ... ..                  | 1        | 1   |
| 5        | E3270    | Pipes, oil tank to engine ... ..                  | 1        | 1   |
| 6        | F3503    | Pipe, oil tank feed, top half ... ..              | 1        | 1   |
| 7        | F3504    | Nut, oil tank feed, top half union ... ..         | 1        | 1   |
| 8        | F3077    | Connection, oil tank feed and return pipes ... .. | 2        | 2   |
| 9        | E3274    | Washer, oil pipe junction block joint ... ..      | 1        | 1   |
| 10       | F879     | Nut, junction block to crankcase ... ..           | 1        | 1   |
| 11       | S25-13   | Washer, junction block to crankcase nut ... ..    | 1        | 1   |
| 12       | A3       | Transfer (minimum oil level) ... ..               | 1        | 1   |

## FOOTRESTS — GROUP 15

Illustrated on Page 20—Fig. 4

### RIDER'S FOOTREST

|    |       |                                 |   |   |
|----|-------|---------------------------------|---|---|
| 13 | F3449 | Footrest L.H. ... ..            | 1 | 1 |
| 14 | F3450 | Footrest R.H. ... ..            | 1 | 1 |
| 15 | F1695 | Rubber ... ..                   | 2 | 2 |
| 16 | F3448 | Rod, footrest hanger ... ..     | 1 | 1 |
| 17 | H193  | Nut, footrest hanger rod ... .. | 2 | 2 |

### PILLION FOOTREST

|    |        |                                          |   |   |
|----|--------|------------------------------------------|---|---|
| 18 | F3514  | Footrest, pillion complete ... ..        | 2 | 2 |
| 19 | F1694  | Pedal, footrest ... ..                   | 2 | 2 |
| 20 | F1695  | Rubber, footrest pedal ... ..            | 2 | 2 |
| 21 | F2271  | Bolt, footrest pedal pivot ... ..        | 2 | 2 |
| 22 | SI-51  | Nut, footrest pedal pivot bolt ... ..    | 2 | 2 |
| 23 | F2277  | Washer, footrest pedal pivot bolt ... .. | 2 | 2 |
| 24 | F2268  | Hanger, footrest pedal ... ..            | 2 | 2 |
| 25 | F3515  | Stud, footrest pedal ... ..              | 2 | 2 |
| 26 | P0172A | Nut, footrest pedal stud ... ..          | 2 | 2 |
| 27 | S26-1  | Washer, footrest pedal stud ... ..       | 2 | 2 |



**GROUP 16 — REAR BRAKE PEDAL****GROUP 17 — HANDLEBAR**

REF. No. PART No.

DESCRIPTION

QUANTITY

**REAR BRAKE PEDAL — GROUP 16***Illustrated on Page 20—Fig. 4*

T15 T20

|    |                                      |                                                 |     |     |     |     |     |   |   |
|----|--------------------------------------|-------------------------------------------------|-----|-----|-----|-----|-----|---|---|
| 1  | F3456                                | Pedal, rear brake                               | ... | ... | ... | ... | ... | 1 | 1 |
| 2  | F3459                                | Spindle, rear brake pedal                       | ... | ... | ... | ... | ... | 1 | — |
| 3  | F3933                                | Spindle, rear brake pedal                       | ... | ... | ... | ... | ... | — | 1 |
| 4  | S1-51                                | Nut, brake pedal spindle to frame               | ... | ... | ... | ... | ... | 1 | 1 |
| 5  | S26-3                                | Washer, brake pedal spindle to frame            | ... | ... | ... | ... | ... | 1 | 1 |
| 6  | T224                                 | Nut, brake pedal to spindle                     | ... | ... | ... | ... | ... | 1 | 1 |
| 7  | S25-3                                | Washer, brake pedal to spindle                  | ... | ... | ... | ... | ... | 1 | 1 |
| 8  | F3460                                | Rod, rear brake operating                       | ... | ... | ... | ... | ... | 1 | 1 |
| 9  | F3461                                | Washer, rear brake rod to pedal                 | ... | ... | ... | ... | ... | 1 | 1 |
| 10 | F3594                                | Washer, rear brake rod to pedal (for stop lamp) | ... | ... | ... | ... | ... | 1 | 1 |
| 11 | $\frac{1}{8}'' \times \frac{1}{2}''$ | Split-pin, rear brake rod to pedal              | ... | ... | ... | ... | ... | 1 | 1 |
| 12 | F3463                                | Adjuster, rear brake rod                        | ... | ... | ... | ... | ... | 1 | 1 |

**HANDLEBAR — GROUP 17***Illustrated on Page 41—Fig. 13***HANDLEBAR**

|    |          |                                            |     |     |     |     |     |   |   |
|----|----------|--------------------------------------------|-----|-----|-----|-----|-----|---|---|
| 13 | H866     | Handlebar c/w control levers and twistgrip | ... | ... | ... | ... | ... | 1 | — |
| 14 | 70/510   | Handlebar c/w control levers and twistgrip | ... | ... | ... | ... | ... | — | 1 |
| 15 | H867     | Handlebar bend only                        | ... | ... | ... | ... | ... | 1 | — |
| 16 | 91/314   | Handlebar bend only                        | ... | ... | ... | ... | ... | — | 1 |
| 17 | H881     | Grommet, handlebar to nacelle              | ... | ... | ... | ... | ... | 2 | 2 |
| 18 | H864     | Support, handlebar to top lug              | ... | ... | ... | ... | ... | 2 | 2 |
| 19 | H865     | 'U' bolt, handlebar to top lug             | ... | ... | ... | ... | ... | 2 | 2 |
| 20 | F879     | Nut, handlebar to top lug                  | ... | ... | ... | ... | ... | 4 | 4 |
| 21 | S25-13   | Washer, handlebar to top lug               | ... | ... | ... | ... | ... | 4 | 4 |
| 22 | H885     | Grip, handlebar, rubber                    | ... | ... | ... | ... | ... | 1 | — |
| 23 | 16/069CE | Grip, handlebar rubber                     | ... | ... | ... | ... | ... | — | 1 |

**CONTROL LEVERS**

|    |            |                              |     |     |     |     |     |   |   |
|----|------------|------------------------------|-----|-----|-----|-----|-----|---|---|
| 24 | H879 LH.   | Lever, clutch control        | ... | ... | ... | ... | ... | 1 | — |
| 25 | 70/009 LH. | Lever, clutch control        | ... | ... | ... | ... | ... | — | 1 |
| 26 | H879 RH.   | Lever, front brake control   | ... | ... | ... | ... | ... | 1 | — |
| 27 | 70/009 RH. | Lever, front brake control   | ... | ... | ... | ... | ... | — | 1 |
| 28 | H880       | Screw, lever to bracket      | ... | ... | ... | ... | ... | 2 | — |
| 29 | 100/006    | Screw, lever to bracket      | ... | ... | ... | ... | ... | — | 2 |
| 30 | F879       | Nut, lever to bracket screw  | ... | ... | ... | ... | ... | 2 | — |
| 31 | 18/717     | Nut, lever to bracket screw  | ... | ... | ... | ... | ... | — | 2 |
| 32 | S26-2      | Washer, lever to bracket nut | ... | ... | ... | ... | ... | 2 | — |
| 33 | 70/016     | Washer, lever to bracket nut | ... | ... | ... | ... | ... | — | 2 |
| 34 | 70/005     | Stop, clutch and brake cable | ... | ... | ... | ... | ... | — | 2 |



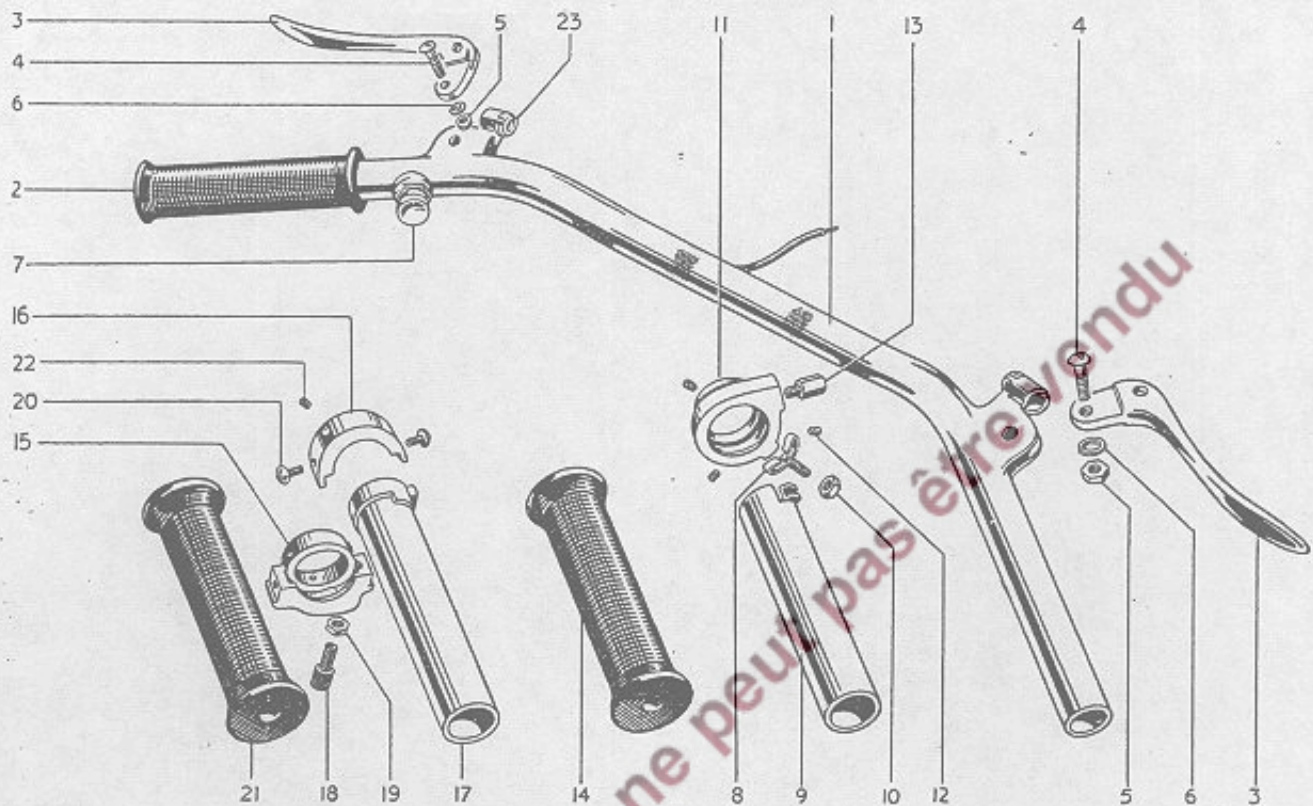


FIG. 13. HANDLEBAR AND COMPONENTS.

## INDEX TO FIG. 13.

| Illust. No. | Part No. | Page No. | Ref. No. | Illust. No. | Part No. | Page No. | Ref. No. |
|-------------|----------|----------|----------|-------------|----------|----------|----------|
| 1           | H867     | 40       | 15       | 10          | 16/010   | 42       | 11       |
|             | 91/314   | 40       | 16       | 11          | 306/001  | 42       | 4        |
| 2           | H885     | 40       | 22       | 12          | 306/003  | 42       | 6        |
|             | 16/069CE | 40       | 23       | 13          | 306/007  | 42       | 18       |
| 3           | *H879    | 40       | 24/6     | 14          | 16/070   | 42       | 20       |
|             | *70/009  | 40       | 25/7     | 15          | H905     | 42       | 3        |
| 4           | H880     | 40       | 28       | 16          | H910     | 42       | 14       |
|             | 100/006  | 40       | 29       | 17          | H909     | 42       | 12       |
| 5           | F879     | 40       | 30       | 18          | H912     | 42       | 16       |
|             | 18/717   | 40       | 31       | 19          | H913     | 42       | 17       |
| 6           | S26-2    | 40       | 32       | 20          | H911     | 42       | 15       |
|             | 70/016   | 40       | 33       | 21          | H884     | 42       | 19       |
| 7           | H886     | 48       | 29       | 22          | H906     | 42       | 5        |
| 8           | 306/004  | 42       | 8        | 23          | 70/005   | 40       | 34       |
| 9           | 306/010  | 42       | 13       |             |          |          |          |

\* State L.H. or R.H.



## GROUP 18 — CONTROL CABLES

| REF. No.         | PART No. | DESCRIPTION                                | QUANTITY       |
|------------------|----------|--------------------------------------------|----------------|
| <b>TWISTGRIP</b> |          |                                            | <b>T15 T20</b> |
| 1                | H883     | Twistgrip complete ... ..                  | 1 -            |
| 2                | 306/1    | Twistgrip complete ... ..                  | - 1            |
| 3                | H905     | Body, twistgrip ... ..                     | 1 -            |
| 4                | 306/001  | Body, twistgrip ... ..                     | - 1            |
| 5                | H906     | Grub screw, body fixing ... ..             | 3 -            |
| 6                | 306/003  | Grub screw, body fixing ... ..             | - 3            |
| 7                | H907     | Spring, body to rotor tension ... ..       | 1 -            |
| 8                | 306/004  | Spring, body to rotor tension ... ..       | - 1            |
| 9                | H908     | Rivet, body to rotor tension spring ... .. | 1 -            |
| 10               | 306/005  | Screw, tension spring ... ..               | - 1            |
| 11               | 16/010   | Locknut, tension spring screw ... ..       | - 1            |
| 12               | H909     | Rotor sleeve, twistgrip ... ..             | 1 -            |
| 13               | 306/010  | Rotor sleeve, twistgrip ... ..             | - 1            |
| 14               | H910     | Clip, twistgrip body ... ..                | 1 -            |
| 15               | H911     | Screw, twistgrip body clip ... ..          | 2 -            |
| 16               | H912     | Adjuster, throttle cable ... ..            | 1 -            |
| 17               | H913     | Locknut, throttle cable adjusting ... ..   | 1 -            |
| 18               | 306/007  | Cable stop, twistgrip ... ..               | - 1            |
| 19               | H884     | Grip, twistgrip rubber ... ..              | 1 -            |
| 20               | 16/070   | Grip, twistgrip rubber ... ..              | - 1            |

## CONTROL CABLES — GROUP 18

### FRONT BRAKE CABLE

|    |                                     |                                                       |     |
|----|-------------------------------------|-------------------------------------------------------|-----|
| 21 | D323                                | Cable assembly, front brake ... ..                    | 1 1 |
| 22 | D323C                               | Casing, front brake cable ... ..                      | 1 1 |
| 23 | D323W                               | Wire, front brake cable ... ..                        | 1 1 |
| 24 | D103                                | Ferrule, front brake cable casing ... ..              | 2 2 |
| 25 | 18/107                              | Nipple, front brake cable wire (Handlebar end) ... .. | 1 1 |
| 26 | DS.73                               | Nipple, front brake cable wire (Brake end) ... ..     | 1 1 |
| 27 | D279                                | Adjuster, front brake cable ... ..                    | 1 1 |
| 28 | F879                                | Nut, front brake cable adjuster ... ..                | 1 1 |
| 29 | D280                                | Clevis, front brake cable wire ... ..                 | 1 1 |
| 30 | D281                                | Pin, front brake cable clevis ... ..                  | 1 1 |
| 31 | $\frac{1}{16} \times \frac{1}{2}$ " | Split-pin, clevis pin ... ..                          | 1 1 |

### THROTTLE CABLE

|    |       |                                 |     |
|----|-------|---------------------------------|-----|
| 32 | D315  | Cable assembly, throttle ... .. | 1 - |
| 33 | D316  | Cable assembly, throttle ... .. | - 1 |
| 34 | D315C | Casing, throttle cable ... ..   | 1 - |
| 35 | D316C | Casing, throttle cable ... ..   | - 1 |



# HANDLEBAR (U.S.A. ONLY) – GROUP 19

| REF. No.                    | PART No. | DESCRIPTION                                          | QUANTITY |     |
|-----------------------------|----------|------------------------------------------------------|----------|-----|
|                             |          |                                                      | T15      | T20 |
| 1                           | D315W    | Wire, throttle cable ... ..                          | 1        | -   |
| 2                           | D316W    | Wire, throttle cable ... ..                          | -        | 1   |
| 3                           | I2/083   | Ferrule, throttle casing ... ..                      | 2        | 2   |
| 4                           | 306/008  | Nipple, throttle wire (Twistgrip) ... ..             | 1        | -   |
| 5                           | D285     | Nipple, throttle wire (Twistgrip) ... ..             | -        | 1   |
| 6                           | I482/050 | Nipple, throttle wire (Carburetter) ... ..           | 1        | 1   |
| <b>GEAR INDICATOR CABLE</b> |          |                                                      |          |     |
| 7                           | D282     | Cable assembly, gear indicator... ..                 | 1        | 1   |
| 8                           | D282C    | Casing, gear indicator cable ... ..                  | 1        | 1   |
| 9                           | D282W    | Wire, gear indicator cable ... ..                    | 1        | 1   |
| 10                          | I2/083   | Ferrule, gear indicator casing ... ..                | 2        | 2   |
| 11                          | D285     | Nipple, gear indicator cable (Engine end) ... ..     | 1        | 1   |
| 12                          | I8/I15   | Nipple, gear indicator casing (Indicator end) ... .. | 2        | 2   |
| 13                          | E3280    | Abutment, gear indicator cable c/case ... ..         | 1        | 1   |
| 14                          | H1019    | Spring, gear indicator cable ... ..                  | 1        | 1   |
| 15                          | D284     | Adjuster, gear indicator cable ... ..                | 1        | 1   |
| 16                          | H745     | Locknut, gear indicator cable adjuster ... ..        | 1        | 1   |
| <b>CLUTCH CABLE</b>         |          |                                                      |          |     |
| 17                          | D331     | Cable assembly, clutch ... ..                        | 1        | 1   |
| 18                          | D331C    | Casing, clutch cable ... ..                          | 1        | 1   |
| 19                          | D331W    | Wire, clutch cable ... ..                            | 1        | 1   |
| 20                          | D103     | Ferrule, clutch cable casing ... ..                  | 2        | 2   |
| 21                          | I8/706   | Nipple, clutch wire (Handlebar end) ... ..           | 1        | 1   |
| 22                          | D334     | Nipple, clutch cable (Clutch end) ... ..             | 1        | 1   |
| 23                          | D319     | Adjuster, clutch cable ... ..                        | 1        | 1   |
| 24                          | D268     | Locknut, clutch cable ... ..                         | 1        | 1   |
| 25                          | D288     | Abutment, clutch cable (Handlebar end) ... ..        | 1        | 1   |
| 26                          | D333     | Abutment, clutch cable (Clutch end) ... ..           | 1        | 1   |

# HANDLEBAR (U.S.A. ONLY) – GROUP 19

## HANDLEBAR

|    |        |                                                  |   |   |
|----|--------|--------------------------------------------------|---|---|
| 27 | H933   | Handlebar c/w control lever and Twistgrip ... .. | 1 | 1 |
| 28 | H934   | Handlebar bend only ... ..                       | 1 | 1 |
| 29 | I6/069 | Grip, handlebar rubber ... ..                    | 1 | 1 |

## CONTROL LEVERS

|    |        |                                            |   |   |
|----|--------|--------------------------------------------|---|---|
| 30 | I8/557 | Lever assembly, clutch control ... ..      | 1 | 1 |
| 31 | I8/556 | Lever assembly, front brake control ... .. | 1 | 1 |
| 32 | I8/528 | Lever only, clutch and brake ... ..        | 2 | 2 |
| 33 | I8/234 | Bracket, lever fulcrum ... ..              | 2 | 2 |



## GROUP 20 — CONTROL CABLE (U.S.A. ONLY)

| REF. No. | PART No. | DESCRIPTION                          | QUANTITY |     |
|----------|----------|--------------------------------------|----------|-----|
|          |          |                                      | T15      | T20 |
| 1        | 12/040   | Clamp, lever bracket ... ..          | 2        | 2   |
| 2        | 11/014   | Screw, lever bracket to clamp ... .. | 4        | 4   |
| 3        | 18/087   | Screw, lever fulcrum pin ... ..      | 2        | 2   |
| 4        | 18/053   | Nut, lever fulcrum pin ... ..        | 2        | 2   |

### TWISTGRIP

(As listed for T20)

## CONTROL CABLE (U.S.A. ONLY) — GROUP 20

### FRONT BRAKE CABLE

|    |       |                                             |   |   |
|----|-------|---------------------------------------------|---|---|
| 5  | D321  | Cable assembly, front brake ... ..          | 1 | 1 |
| 6  | D321C | Casing, front brake cable ... ..            | 1 | 1 |
| 7  | D321W | Wire, front brake cable ... ..              | 1 | 1 |
| 8  | D103  | Ferrule, front brake casing ... ..          | 2 | 2 |
| 9  | D81   | Nipple, front brake wire (Handlebar) ... .. | 1 | 1 |
| 10 | DS73  | Nipple, front brake wire (Clevis) ... ..    | 1 | 1 |
| 11 | D279  | Adjuster, front brake cable ... ..          | 1 | 1 |
| 12 | F879  | Locknut, front brake cable adjuster ... ..  | 1 | 1 |
| 13 | D280  | Clevis, front brake cable ... ..            | 1 | 1 |

### THROTTLE CABLE

|    |          |                                            |   |   |
|----|----------|--------------------------------------------|---|---|
| 14 | D317     | Cable assembly, throttle ... ..            | 1 | 1 |
| 15 | D317C    | Casing, throttle cable ... ..              | 1 | 1 |
| 16 | D317W    | Wire, throttle cable ... ..                | 1 | 1 |
| 17 | 12/083   | Ferrule, throttle cable casing ... ..      | 2 | 2 |
| 18 | D285     | Nipple, throttle wire (Twistgrip) ... ..   | 1 | 1 |
| 19 | 1482/050 | Nipple, throttle wire (Carburetter) ... .. | 1 | 1 |

### CLUTCH CABLE

|    |       |                                             |   |   |
|----|-------|---------------------------------------------|---|---|
| 20 | D332  | Cable assembly, clutch ... ..               | 1 | 1 |
| 21 | D332C | Casing, clutch cable ... ..                 | 1 | 1 |
| 22 | D332W | Wire, clutch cable ... ..                   | 1 | 1 |
| 23 | D103  | Ferrule, clutch cable casing ... ..         | 2 | 2 |
| 24 | D81   | Nipple, clutch wire (Handlebar) ... ..      | 1 | 1 |
| 25 | D334  | Nipple, clutch wire (Gearbox) ... ..        | 1 | 1 |
| 26 | D288  | Abutment, clutch cable handlebar end ... .. | 1 | 1 |
| 27 | D319  | Adjuster, clutch cable ... ..               | 1 | 1 |
| 28 | D268  | Locknut, clutch cable adjuster ... ..       | 1 | 1 |
| 29 | D333  | Abutment, at clutch end ... ..              | 1 | 1 |



# NACELLE GEAR INDICATOR – GROUP 21

| PART No.                          |       | DESCRIPTION                       |     |     |     |     | QUANTITY |     |
|-----------------------------------|-------|-----------------------------------|-----|-----|-----|-----|----------|-----|
| NACELLE GEAR INDICATOR — GROUP 21 |       |                                   |     |     |     |     |          |     |
|                                   |       | NACELLE GEAR INDICATOR            |     |     |     |     | T15      | T20 |
| 1                                 | H1020 | Rack and pinion assembly          | ... | ... | ... | ... | 1        | 1   |
| 2                                 | H689  | Screw, rack and pinion to nacelle | ... | ... | ... | ... | 2        | 2   |
| 3                                 | H937  | Spindle assembly                  | ... | ... | ... | ... | 1        | 1   |
| 4                                 | H939  | Finger, indicator                 | ... | ... | ... | ... | 1        | 1   |
| 5                                 | H688  | Screw, finger to spindle          | ... | ... | ... | ... | 1        | 1   |
| 6                                 | H904  | Plate, gear indicator             | ... | ... | ... | ... | 1        | —   |
| 7                                 | H921  | Plate, gear indicator             | ... | ... | ... | ... | —        | 1   |

DOCUMENT GRATUIT, ne peut pas être vendu



## PROPRIETARY FITTINGS

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 sent to the actual maker, or one of their accredited agents who will always give owners every possible assistance. The following are the addresses of the various manufacturers.

|                      |     |     |     |     |                                                                                                                                                                                        |
|----------------------|-----|-----|-----|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CARBURETTORS         | ... | ... | ... | ... | Messrs. Amal Ltd.,<br>Holdford Road, Witton,<br>Birmingham, 6.                                                                                                                         |
| CHAINS               | ... | ... | ... | ... | The Renold and Coventry Chain Co. Ltd.,<br>Didsbury, Manchester.                                                                                                                       |
| ELECTRICAL EQUIPMENT | ... | ... | ... | ... | Messrs. J. Lucas, Ltd.,<br>Great Hampton Street,<br>Birmingham, 18.                                                                                                                    |
| HORN                 | ... | ... | ... | ... | Messrs. Clear Hooters Ltd.<br>Hampton Street,<br>Birmingham, 19.                                                                                                                       |
| SPARKING PLUGS       | ... | ... | ... | ... | Champion Sparking Plugs Ltd.,<br>Feltham,<br>Middlesex.<br><br>K.L.G. Sparking Plugs Ltd.,<br>Cricklewood Works,<br>London, N.W.2.<br><br>Lodge Plugs Ltd.,<br>Rugby,<br>Warwickshire. |
| SPEEDOMETERS         | ... | ... | ... | ... | Messrs. Smiths Motor Accessories Ltd.,<br>Cricklewood Works,<br>London, N.W.2.                                                                                                         |



# LUCAS ELECTRICAL EQUIPMENT – GROUP 22

| REF. No.                              | PART No. | DESCRIPTION                                     | QUANTITY |     |
|---------------------------------------|----------|-------------------------------------------------|----------|-----|
| LUCAS ELECTRICAL EQUIPMENT — GROUP 22 |          |                                                 |          |     |
| ALTERNATOR (RMI3)                     |          |                                                 | T15      | T20 |
| 1                                     | 047518   | Alternator assembly ... ..                      | 1        | 1   |
| 2                                     | 47119A   | Stator, complete ... ..                         | 1        | 1   |
| 3                                     | 465904   | Rotor ... ..                                    | 1        | 1   |
| 4                                     | E3475    | Grommet, alternator cable ... ..                | 1        | 1   |
| 5                                     | E3204    | Screw, alternator stator to cover ... ..        | 5        | 5   |
| 6                                     | E1612    | Washer, alternator stator to cover screw ... .. | 5        | 5   |
| 7                                     | E1580    | Key, rotor to mainshaft... ..                   | 1        | 1   |
| 8                                     | 465909   | Nut, rotor to mainshaft ... ..                  | 1        | 1   |
| 9                                     | 465910   | Washer, rotor to mainshaft ... ..               | 1        | 1   |
| RECTIFIER (FSW 1500A)                 |          |                                                 |          |     |
| 10                                    | 47111A   | Rectifier ... ..                                | 1        | 1   |
| 11                                    | F3527    | Bracket, rectifier mounting ... ..              | 1        | 1   |
| 12                                    | F929     | Bolt, bracket to seat lug (front) ... ..        | 1        | 1   |
| 13                                    | S25-3    | Washer, bracket to seat lug (front) ... ..      | 1        | 1   |
| 14                                    | DS57     | Bolt, bracket to top bridge seat stays ... ..   | 1        | 1   |
| 15                                    | F879     | Nut, bracket to top bridge seat stays... ..     | 1        | 1   |
| 16                                    | E1612    | Washer, bracket to top bridge seat stays ... .. | 1        | 1   |
| 17                                    | F3600    | Nut, rectifier to bracket ... ..                | 1        | 1   |
| IGNITION COIL (CQ6)                   |          |                                                 |          |     |
| 18                                    | 45036A   | Coil ... ..                                     | 1        | 1   |
| 19                                    | DS57     | Bolt, coil to mudguard ... ..                   | 2        | —   |
| 20                                    | E1612    | Washer, coil to mudguard bolt ... ..            | 2        | —   |
| 21                                    | F879     | Nut, coil to mudguard bolt ... ..               | 2        | —   |
| 22                                    | F3687    | Backing strip, coil to mudguard ... ..          | 1        | —   |
| 23                                    | 414965   | Sleeve, H.T. cable ... ..                       | 1        | —   |
| 24                                    | 236741   | Sleeve, L.T. cable ... ..                       | 2        | —   |
| DISTRIBUTOR (15DI)                    |          |                                                 |          |     |
| 25                                    | 40529    | Distributor ... ..                              | 1        | 1   |
| 26                                    | 406105   | Clamping plate assembly ... ..                  | 1        | 1   |
| 27                                    | 421106   | Contact set ... ..                              | 1        | 1   |
| 28                                    | 421327   | Condenser ... ..                                | 1        | 1   |
| 29                                    | 421206   | Cam ... ..                                      | 1        | 1   |
| 30                                    | 421415   | Spring, auto advance ... ..                     | 1        | 1   |
| 31                                    | 421407S  | Weights assembly ... ..                         | 1        | 1   |
| 32                                    | 421054   | Shaft and action plate ... ..                   | 1        | 1   |
| 33                                    | 419645   | Sundry parts set ... ..                         | 1        | 1   |
| 34                                    | DS57     | Bolt, lever to crankcase... ..                  | 1        | 1   |
| 35                                    | S25-13   | Washer, lever to crankcase bolt ... ..          | 1        | 1   |
| 36                                    | E3309    | Sealing ring, distributor ... ..                | 1        | 1   |
| BATTERY (PU5E)                        |          |                                                 |          |     |
| 37                                    | 408200   | Battery ... ..                                  | 1        | 1   |



## GROUP 22 — LUCAS ELECTRICAL EQUIPMENT

| REF. No.                                       | PART No. | DESCRIPTION                         | QUANTITY       |
|------------------------------------------------|----------|-------------------------------------|----------------|
| <b>HEADLAMP (MCF 575)</b>                      |          |                                     | <b>T15 T20</b> |
| 1                                              | 51519A   | Headlamp assembly ... ..            | 1 1            |
| 2                                              | 516723   | Rim, headlamp ... ..                | 1 1            |
| 3                                              | 500291   | Wire, light unit fixing ... ..      | 4 4            |
| 4                                              | 516728   | Light unit ... ..                   | 1 1            |
| 5                                              | 554946   | Adaptor assembly ... ..             | 1 1            |
| 6                                              | 554710   | Bulbholder, pilot ... ..            | 1 1            |
| 7                                              | 553780   | Interior, pilot ... ..              | 1 1            |
| 8                                              | 312      | Bulb, main ... ..                   | 1 1            |
| 9                                              | 988      | Bulb, pilot ... ..                  | 1 1            |
| 10                                             | H876     | Adjuster screw, headlamp ... ..     | 1 1            |
| 11                                             | H745     | Locknut, adjuster screw ... ..      | 1 1            |
| 12                                             | H875     | Spring, adjuster screw ... ..       | 1 1            |
| <b>LIGHTING AND IGNITION SWITCH (P.R.S. 8)</b> |          |                                     |                |
| 13                                             | 31443    | Switch ... ..                       | 1 1            |
| 14                                             | 318341   | Key, ignition ... ..                | 1 1            |
| <b>DIPPER SWITCH</b>                           |          |                                     |                |
| 15                                             | 380521   | Switch, dipper ... ..               | 1 1            |
| <b>TAIL LAMP (529)</b>                         |          |                                     |                |
| 16                                             | 53256A   | Lamp, tail ... ..                   | 1 1            |
| 17                                             | 526404   | Lens ... ..                         | 1 1            |
| 18                                             | 526406   | Window, number plate ... ..         | 1 1            |
| 19                                             | 133551   | Screw, fixing lens ... ..           | 2 2            |
| 20                                             | 161385   | Grommet, screw... ..                | 2 2            |
| 21                                             | 554719   | Bulb holder ... ..                  | 1 1            |
| 22                                             | 526408   | Base, rubber ... ..                 | 1 1            |
| 23                                             | 951      | Bulb ... ..                         | 1 1            |
| 24                                             | 526410   | Screw, lamp to number plate ... ..  | 3 3            |
| 25                                             | 166103   | Nut, lamp to number plate ... ..    | 3 3            |
| 26                                             | 188366   | Washer, lamp to number plate ... .. | 3 3            |
| <b>WIRING HARNESS</b>                          |          |                                     |                |
| 27                                             | 838121   | Harness wiring ... ..               | 1 1            |
| <b>HORN (CLEAR HOOTER)</b>                     |          |                                     |                |
| 28                                             | D300     | Horn ... ..                         | 1 1            |
| 29                                             | H886     | Button, horn (No. 15) ... ..        | 1 1            |
| 30                                             | D314     | Bracket, horn ... ..                | 1 1            |



# AMAL CARBURETTER – GROUP 23

REF. No. PART No

DESCRIPTION

QUANTITY

## AMAL CARBURETTER – GROUP 23

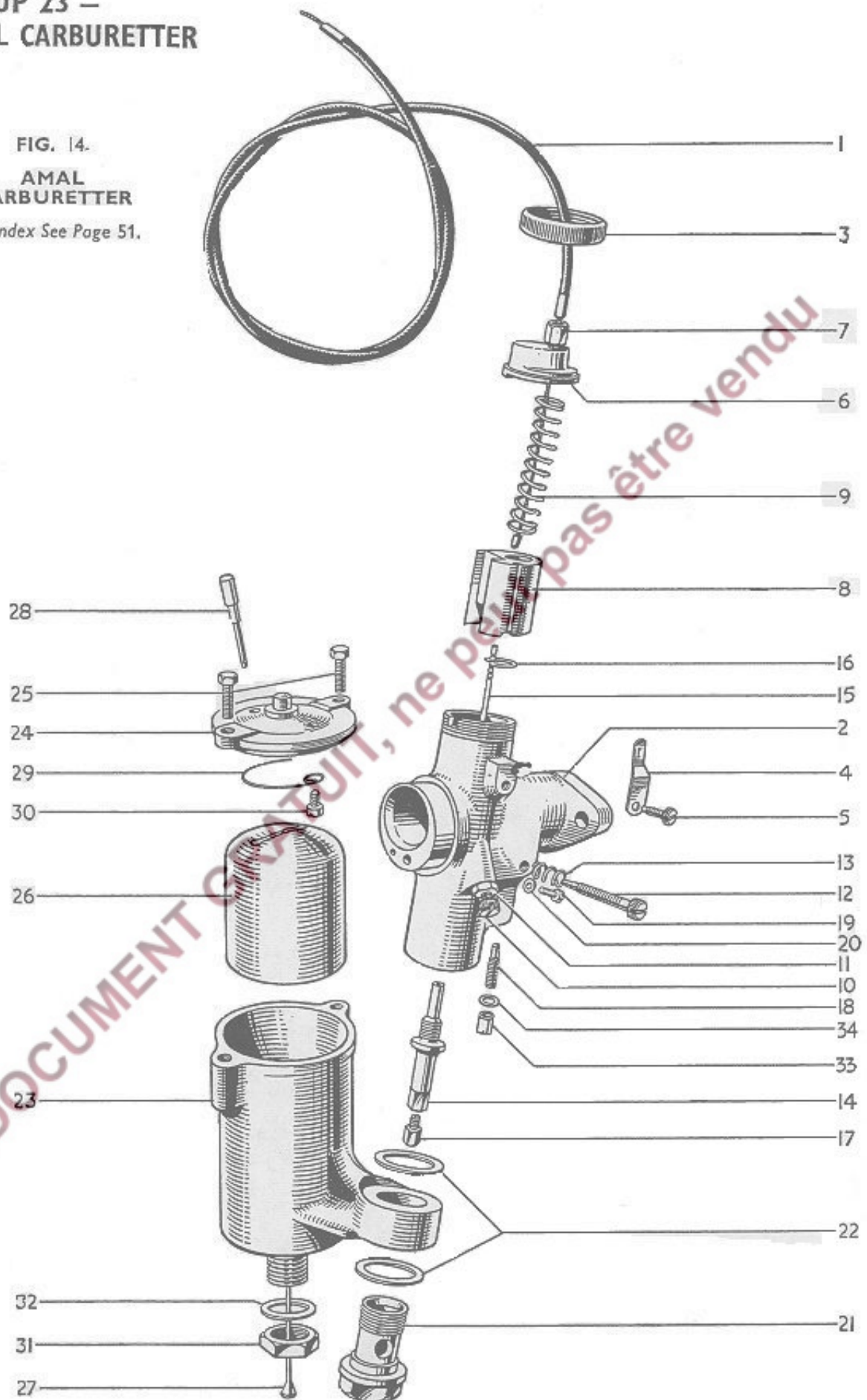
Illustrated on page 50

|                       |         |                                                            |     |     |     |     |     | T15 | T20 |
|-----------------------|---------|------------------------------------------------------------|-----|-----|-----|-----|-----|-----|-----|
| <b>CARBURETTER</b>    |         |                                                            |     |     |     |     |     |     |     |
| 1                     | 332/2   | Carburetter, complete ...                                  | ... | ... | ... | ... | ... | 1   | —   |
| 2                     | 332/3   | Carburetter, complete ...                                  | ... | ... | ... | ... | ... | —   | 1   |
| <b>MIXING CHAMBER</b> |         |                                                            |     |     |     |     |     |     |     |
| 3                     | 332/023 | Body, mixing chamber ...                                   | ... | ... | ... | ... | ... | 1   | —   |
| 4                     | 332/001 | Body, mixing chamber ...                                   | ... | ... | ... | ... | ... | —   | 1   |
| 5                     | 332/012 | Cap, mixing chamber ...                                    | ... | ... | ... | ... | ... | 1   | 1   |
| 6                     | 332/013 | Spring, mixing chamber cap ...                             | ... | ... | ... | ... | ... | 1   | 1   |
| 7                     | 332/014 | Screw, mixing chamber cap spring and throttle locating ... | ... | ... | ... | ... | ... | 1   | 1   |
| 8                     | 332/011 | Top, mixing chamber ...                                    | ... | ... | ... | ... | ... | 1   | 1   |
| 9                     | 52/068  | Adjuster, throttle cable... ..                             | ... | ... | ... | ... | ... | 1   | 1   |
| 10                    | 332/005 | Valve, throttle ... ..                                     | ... | ... | ... | ... | ... | 1   | 1   |
| 11                    | 332/021 | Spring, throttle valve ... ..                              | ... | ... | ... | ... | ... | 1   | 1   |
| 12                    | 332/018 | Screw, throttle adjusting ... ..                           | ... | ... | ... | ... | ... | 1   | 1   |
| 13                    | 332/020 | Nut, throttle adjusting screw ... ..                       | ... | ... | ... | ... | ... | 1   | 1   |
| 14                    | 332/017 | Screw, air adjusting ... ..                                | ... | ... | ... | ... | ... | 1   | 1   |
| 15                    | 4/148   | Spring, air adjusting screw ... ..                         | ... | ... | ... | ... | ... | 1   | 1   |
| 16                    | 332/002 | Jet for needle ... ..                                      | ... | ... | ... | ... | ... | 1   | 1   |
| 17                    | 332/003 | Needle for jet ... ..                                      | ... | ... | ... | ... | ... | 1   | 1   |
| 18                    | 332/004 | Clip, jet needle ... ..                                    | ... | ... | ... | ... | ... | 1   | 1   |
| 19                    | 4/042   | Jet, main (size 90) ... ..                                 | ... | ... | ... | ... | ... | 1   | —   |
| 20                    | 4/042   | Jet, main (size 100) ... ..                                | ... | ... | ... | ... | ... | —   | 1   |
| 21                    | 376/076 | Jet, pilot (size 20) ... ..                                | ... | ... | ... | ... | ... | 1   | 1   |
| 22                    | 332/026 | Nut, pilot jet cover ... ..                                | ... | ... | ... | ... | ... | 1   | 1   |
| 23                    | 116/162 | Washer, cover nut ... ..                                   | ... | ... | ... | ... | ... | 1   | 1   |
| 24                    | 333/016 | Screw, mixing chamber plug ... ..                          | ... | ... | ... | ... | ... | 1   | 1   |
| 25                    | 14/189  | Washer, plug screw ... ..                                  | ... | ... | ... | ... | ... | 1   | 1   |
| 26                    | 4/043   | Bolt, holding ... ..                                       | ... | ... | ... | ... | ... | 1   | 1   |
| 27                    | 4/053   | Washer, holding bolt ... ..                                | ... | ... | ... | ... | ... | 1   | 1   |
| <b>FLOAT CHAMBER</b>  |         |                                                            |     |     |     |     |     |     |     |
| 28                    | 3EB     | Float chamber complete ... ..                              | ... | ... | ... | ... | ... | 1   | 1   |
| 29                    | 62/214  | Body, float chamber ... ..                                 | ... | ... | ... | ... | ... | 1   | 1   |
| 30                    | 62/212  | Cover, float chamber complete ... ..                       | ... | ... | ... | ... | ... | 1   | 1   |
| 31                    | 62/204  | Screws, float chamber cover ... ..                         | ... | ... | ... | ... | ... | 2   | 2   |
| 32                    | 22/016  | Float ... ..                                               | ... | ... | ... | ... | ... | 1   | 1   |
| 33                    | 22/013  | Needle, float ... ..                                       | ... | ... | ... | ... | ... | 1   | 1   |
| 34                    | 62/207  | Tickler ... ..                                             | ... | ... | ... | ... | ... | 1   | 1   |
| 35                    | 352/208 | Spring, tickler ... ..                                     | ... | ... | ... | ... | ... | 2   | 1   |
| 36                    | 352/207 | Screw, tickler spring fixing ... ..                        | ... | ... | ... | ... | ... | 1   | 1   |
| 37                    | 14/178  | Locknut, seating ... ..                                    | ... | ... | ... | ... | ... | 1   | 1   |
| 38                    | 14/175  | Washer, seating locknut ... ..                             | ... | ... | ... | ... | ... | 1   | 1   |



# GROUP 23 — AMAL CARBURETTER

FIG. 14.  
AMAL  
CARBURETTER  
For Index See Page 51.





# SPEEDOMETER — GROUP 24

| REF. No.                             | PART No. | DESCRIPTION                            | QUANTITY |
|--------------------------------------|----------|----------------------------------------|----------|
| <b>CARBURETTER FIXINGS (TRIUMPH)</b> |          |                                        |          |
|                                      |          |                                        | T15 T20  |
| 1                                    | E3254    | Block, insulating carb to head ... ..  | 1 1      |
| 2                                    | E3250    | Joint washer, carb to head ... ..      | 2 2      |
| 3                                    | F879     | Nut, carburetter flange ... ..         | 2 2      |
| 4                                    | S25-13   | Washer, carburetter flange nuts ... .. | 2 2      |

## SPEEDOMETER — GROUP 24

|    |            |                                                         |     |
|----|------------|---------------------------------------------------------|-----|
| 5  | 80421/16/2 | Speedometer 70 m.p.h.—NON TRIP ... ..                   | 1 — |
| 6  | 80421/36/2 | Speedometer 80 m.p.h.—NON TRIP ... ..                   | — 1 |
| 7  | 80421/17/2 | Speedometer 120 k.p.h.—NON TRIP ... ..                  | 1 — |
| 8  | 80421/37/2 | Speedometer 140 k.p.h.—NON TRIP ... ..                  | — 1 |
| 9  | 31/4/2/1   | Fixing strap, speedometer to nacelle ... ..             | 1 1 |
| 10 | 31/1/7     | Nut, fixing strap ... ..                                | 1 1 |
| 11 | D286       | Cable assembly speedometer drive, 49½" long (53395) ... | 1 1 |
| 12 | D286C      | Casing, speedometer drive (53398) ... ..                | 1 1 |
| 13 | D286W      | Wire, speedometer drive (52108/1) ... ..                | 1 1 |
| 14 | D175       | Gearbox, speedometer drive (52283/64/3) ... ..          | 1 1 |

## INDEX TO FIG. 14. PAGE 50.

| Illust. No. | Part No. | Page No. | Ref. No. | Illust. No. | Part No.    | Page No. | Ref. No. |
|-------------|----------|----------|----------|-------------|-------------|----------|----------|
| 1           | *D315    | 42       | 32       | 17          | 4/042 (90)  | 49       | 19       |
|             | *D316    | 42       | 33       |             | 4/042 (100) | 49       | 20       |
| 2           | 332/023  | 49       | 3        | 18          | 376/076     | 49       | 21       |
|             | 332/001  | 49       | 4        | 19          | 333/016     | 49       | 24       |
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| 8           | 332/005  | 49       | 10       | 25          | 62/204      | 49       | 31       |
| 9           | 332/021  | 49       | 11       | 26          | 22/016      | 49       | 32       |
| 10          | 332/018  | 49       | 12       | 27          | 22/013      | 49       | 33       |
| 11          | 332/020  | 49       | 13       | 28          | 62/207      | 49       | 34       |
| 12          | 323/017  | 49       | 14       | 29          | 352/208     | 49       | 35       |
| 13          | 4/148    | 49       | 15       | 30          | 352/207     | 49       | 36       |
| 14          | 332/002  | 49       | 16       | 31          | 14/178      | 49       | 37       |
| 15          | 332/003  | 49       | 17       | 32          | 14/175      | 49       | 38       |
| 16          | 332/004  | 49       | 18       | 33          | 332/026     | 49       | 22       |
|             |          |          |          | 34          | 111/162     | 49       | 23       |

\* See Page 44 for U.S.A. Throttle Cable Details



**GROUP 25 — SPARKING PLUG****GROUP 26 — TWINSEAT****GROUP 27 — CHAINS**

REF. No. PART No.

DESCRIPTION

QUANTITY

**SPARKING PLUG — GROUP 25**

|   |      |                                        |     |     |     |     |     |     |     | T15 | T20 |
|---|------|----------------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1 | HN   | Plug, sparking (Lodge) ...             | ... | ... | ... | ... | ... | ... | ... | 1   | 1   |
| 2 | F80  | Plug (single point), sparking (K.L.G.) | ... | ... | ... | ... | ... | ... | ... | 1   | 1   |
| 3 | L10S | Plug, sparking (Champion)              | ... | ... | ... | ... | ... | ... | ... | 1   | 1   |
| 4 | D297 | Cover, sparking plug ...               | ... | ... | ... | ... | ... | ... | ... | 1   | 1   |

**TWINSEAT — GROUP 26**

|    |        |                                     |     |     |     |     |     |     |     |   |   |
|----|--------|-------------------------------------|-----|-----|-----|-----|-----|-----|-----|---|---|
| 5  | F3946  | Twinseat c/w attachments            | ... | ... | ... | ... | ... | ... | ... | 1 | 1 |
| 6  | F.3863 | Twinseat, only ...                  | ... | ... | ... | ... | ... | ... | ... | 1 | 1 |
| 7  | F3948  | Bracket, twinseat centre            | ... | ... | ... | ... | ... | ... | ... | 1 | 1 |
| 8  | F3865  | Bracket, twinseat rear              | ... | ... | ... | ... | ... | ... | ... | 1 | 1 |
| 9  | F879   | Nut, centre and rear bracket to pan | ... | ... | ... | ... | ... | ... | ... | 4 | 4 |
| 10 | E1612  | Washer, bracket nuts                | ... | ... | ... | ... | ... | ... | ... | 4 | 4 |
| 11 | F3536  | Stud, centre bracket to frame       | ... | ... | ... | ... | ... | ... | ... | 2 | 2 |
| 12 | W76    | Nut, frame stud                     | ... | ... | ... | ... | ... | ... | ... | 2 | 2 |
| 13 | S26-1  | Washer, frame stud nuts             | ... | ... | ... | ... | ... | ... | ... | 2 | 2 |
| 14 | E667A  | Bolt, front bracket to frame        | ... | ... | ... | ... | ... | ... | ... | 1 | 1 |
| 15 | S26-3  | Washer, front bracket bolt          | ... | ... | ... | ... | ... | ... | ... | 1 | 1 |
| 16 | SI-51  | Nut, front bracket bolt             | ... | ... | ... | ... | ... | ... | ... | 1 | 1 |
| 17 | F3866  | Stud, rear bracket to mudguard      | ... | ... | ... | ... | ... | ... | ... | 2 | 2 |
| 18 | F879   | Nut, rear bracket to stud           | ... | ... | ... | ... | ... | ... | ... | 2 | 2 |
| 19 | E1612  | Washer, stud nut                    | ... | ... | ... | ... | ... | ... | ... | 2 | 2 |
| 20 | F3949  | Valance, coil                       | ... | ... | ... | ... | ... | ... | ... | - | 1 |
| 21 | H713   | Screw, valance to centre bracket    | ... | ... | ... | ... | ... | ... | ... | - | 4 |
| 22 | E2338  | Washer, valance screw               | ... | ... | ... | ... | ... | ... | ... | - | 4 |
| 23 | H691   | Nut, valance screw                  | ... | ... | ... | ... | ... | ... | ... | - | 4 |
| 24 | DS57   | Bolt, coil to pan                   | ... | ... | ... | ... | ... | ... | ... | - | 2 |
| 25 | E1612  | Washer, coil to pan                 | ... | ... | ... | ... | ... | ... | ... | - | 2 |

**CHAINS — GROUP 27**

|    |      |                                                                                        |     |     |   |   |
|----|------|----------------------------------------------------------------------------------------|-----|-----|---|---|
| 26 | D276 | Chain, primary 110038, $\frac{3}{8}$ in. $\times$ $\frac{7}{32}$ in. $\times$ 62 links | ... | ... | 1 | - |
| 27 | D338 | Chain, primary 110044, $\frac{1}{2}$ in. $\times$ $\frac{3}{16}$ in. $\times$ 48 links | ... | ... | - | 1 |
| 28 | D277 | Chain, rear 110044, $\frac{1}{2}$ in. $\times$ $\frac{3}{16}$ in. $\times$ 112 links   | ... | ... | 1 | - |
| 29 | D341 | Chain, rear 110044, $\frac{1}{2}$ in. $\times$ $\frac{3}{16}$ in. $\times$ 116 links   | ... | ... | - | 1 |



# GUARANTEE

WE give the following guarantee with our motor cycles, motor cycle combinations and sidecars. This guarantee is given in place of any implied conditions or warranties or any liabilities whatsoever statutory or otherwise; no guarantee except that hereinafter contained and no conditions or warranty whatsoever statutory or otherwise is given or is to be implied, nor are we to be under any liability whatsoever except under the guarantee hereinafter contained. Any statement, description, condition or representation contained in any catalogue, advertisement, leaflet or other publication shall not be construed as enlarging, varying or overriding anything herein contained. In the case of machines (a) which have been used for "hiring out" purposes or (b) any motor cycle and/or sidecar used for any dirt tracks, cinder track or grass track racing or competitions (or any competition of any kind within an enclosure for which a charge is made for admission to take part in or view the competition) or (c) machines from which the trade mark, name or manufacturing number has been altered or removed or (d) any machines in which parts have been used not supplied by or approved by the motor cycle manufacturer, or (e) any machine from which the silencing system as fitted by the manufacturer has been partially or wholly removed or interfered with, no guarantee, condition or warranty of any kind statutory or otherwise is given or is to be implied nor are we to be under any liability whatsoever in respect of any such machine.

We guarantee, subject to the conditions mentioned below, that all precautions which are usual and reasonable have been taken by us to secure excellence of materials and workmanship, but this guarantee is to extend and be in force for six months only in the U.K. and ninety days overseas from date of purchase, or date of exchange in case of any part supplied by way of exchange as hereinafter provided, and damages for which we make ourselves responsible under this guarantee are limited to the free repair of or supply of a new part in exchange for the part of the motor cycle, motor cycle combination or sidecar which may have proved defective. We undertake, subject to the conditions mentioned below, to make good in manner aforesaid any part covered by this guarantee which has proved defective within the said period. We do not undertake to replace or refix, or bear the cost of replacing or refixing any such new part in the motor cycle, motor cycle combination or sidecar. As motor cycles, motor cycle combinations and sidecars are easily liable to derangement by neglect or misuse, this guarantee does not apply to defects caused by wear and tear, misuse or neglect.

The term "misuse" shall include amongst others the following acts :—

1. The attaching of a sidecar to a motor cycle in such a manner as to cause damage or calculated to render the latter unsafe when ridden.
2. The use of a motor cycle or of a motor cycle and sidecar combined, when carrying more persons or a greater weight than that for which the machine was designed by the manufacturers.
3. The attaching of a sidecar to a motor cycle by any form of attachment not provided, supplied, or approved by the manufacturers, or to a motor cycle which is not designed for such use.

We do not guarantee specialities such as tyres, saddles, chains, carburetters, electrical equipment, lamps, etc., or any accessories or component parts supplied to the order of the purchaser differing from those comprised in the standard specifications supplied with our motor cycles, motor cycle combinations or sidecars. As regards all such specialities, accessories or component parts, no guarantee, condition, or warranty of any kind statutory or otherwise is given or is to be implied, and we are to be under no liability whatsoever in respect thereof.



## CONDITIONS OF GUARANTEE

If a defective part should be found in our motor cycles, motor cycle combinations or sidecars, or in any part supplied by way of exchange as before provided, it must be sent to us CARRIAGE PAID, and accompanied by an intimation from the owner that he desires to have it repaired or exchanged free of charge under our guarantee and he must also furnish us at the same time with the frame number of the machine, the date of purchase or the date when the alleged defective part was exchanged as the case may be.

Failing compliance with the above, such articles will lie here at THE RISK OF THE OWNER, and this guarantee and any implied guarantee, warranty or condition, shall not be enforceable.

## REPAIRS

Any motor cycle, motor cycle combination or sidecar sent to us to be plated, enamelled or repaired will be repaired upon the following conditions, i.e., we guarantee that all precautions which are usual and reasonable have been taken by us to secure excellence of materials and workmanship, such guarantee to extend and be in force for three months only from the time such work shall have been executed, and this guarantee is in lieu and in exclusion of all conditions and warranties statutory or otherwise and all liabilities whatsoever and the damages recoverable are limited to the cost of any further work which may be necessary to amend and make good the work found to be defective.

## NOTICE

We do not appoint agents for the sale on our behalf of our motor cycles or other goods, but we assign to motor cycle Dealers areas in which we supply to such Dealers exclusively for re-sale in such areas. No such Dealer is authorised to transact any business, give any warranty, make any representation or incur any liability on our behalf. All goods are offered for sale subject to the price ruling at time of delivery. We reserve the right to modify or deviate from the published specification.



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To assist the owner and dealer in identifying requirements, this book contains numerous exploded views of the major assemblies. Each component part on the illustration is numbered, and by cross reference to the appropriate index, the part number of the component will be found. Against each part number a page and reference number is shown and by referring to the appropriate page, the full description of the part will be found against the reference number.

## EXAMPLE.

To find the part number of the cylinder head gasket :

1. Refer to the illustration index above, where it will be found that the engine is illustrated on page 10.
2. Note that the number of the gasket in the illustration is 9.
3. Refer to the index on page 11.
4. Note that illustration number 9 is part number E3217 listed on page 7, line 26.

*Tournez s'il vous plait.  
Véase al dorso.  
Bitte wenden.*