ZÜNDAPP

SERVICE

# SPARE PARTS LIST

# ZÜNDAPP-MOTORCYCLE

# 250 S SUPER-SABRE

Published in February 1957

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# INTRODUCTION

Please take note that only Genuine Zündapp Spares will be the safeguard for security, claims under guarantee, and will prevent many a damage and loss.

Therefore, do not use parts of another origin but demand only Genuine Zündapp Spares from your Zündapp dealer, for by fitting imitated parts any claim under guarantee will automatically become void.

In order to avoid errors, queries, and incorrect deliveries, please quote with all orders for spare parts:

1. Description and number of the spare part wanted in accordance with this list,
2. Frame number stamped into the rating plate,
3. Modifications made on the vehicle by exchanging spare parts or groups.

In these data cannot be given it will be necessary to send in a pattern labelled with the sender's name and address. These patterns will be returned to the sender only upon request.

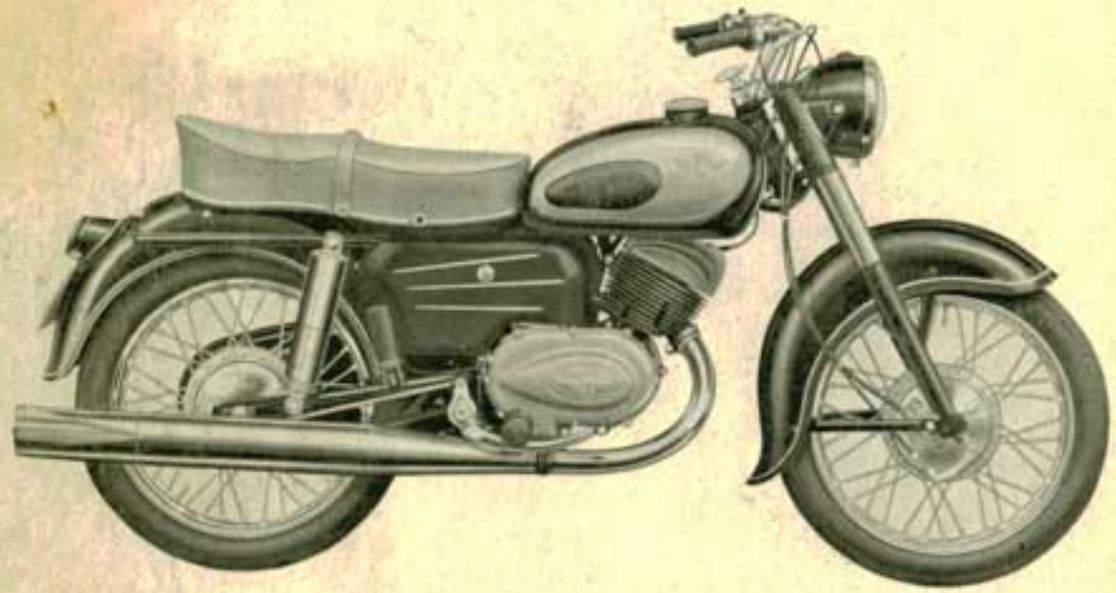
Model Order
Re: Frame No. 931 526

| | |
|---|---|
| 1 crankshaft with connecting rod | No. 1950 k 208 |
| 1 cylinder | No. 2162 z 213 |
| 1 piston | No. 883 z 163 |
| 3 piston rings | No. 1262 z 105. |

Deliveries of spare parts are only made through our respective representatives.

All illustrations and data in this list are not binding. We reserve the right for alterations without previous notice.

**ZÜNDAPP-WERKE G.M.B.H., NÜRNBERG-MÜNCHEN**
**NÜRNBERG WORKS**

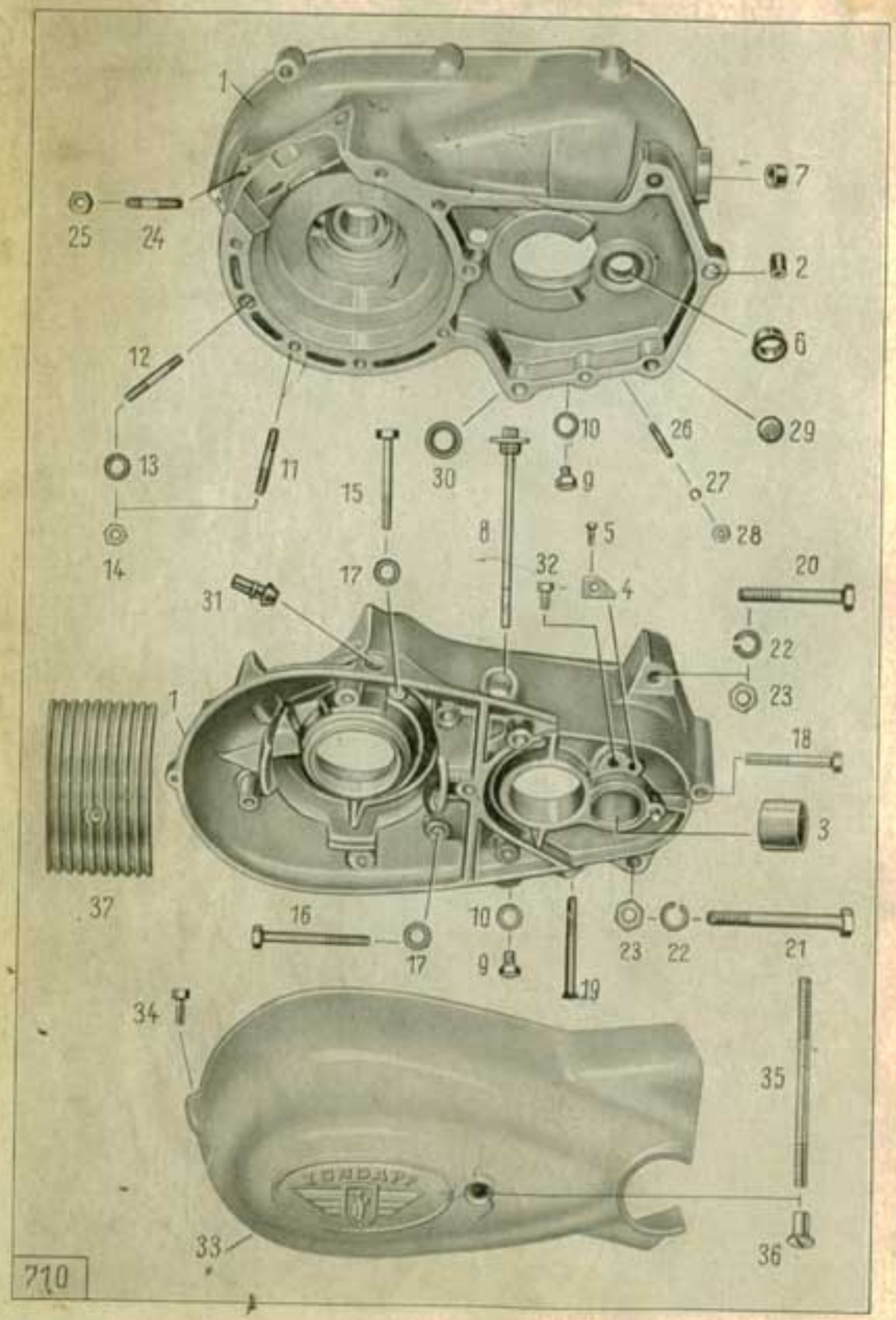


**250 S Super-Sabre,** right-hand view
beginning with Frame No. 931501

**250 S Super-Sabre,** left-hand view
beginning with Frame No. 931501

Illustration 1, Group M: a) Engine (assembly)

| Key No. | Spare Part No. | Description | No. of Pieces | Remarks |
|---|---|---|---|---|
| | | **Engine** | | |
| — | 6590 k 268-0 | Engine complete with generator, carburettor, and starter ..... | 1 | |








| Key No. | Spare Part No. | Description | No. of Pieces | Remarks |
|---|---|---|---|---|
| | | **Crankcase** | | |
| 1 | 510 k 231-0 | crankcase complete | 1 | |
| 2 | 181 z 18 | dowel bushing (between left and right half of crankcase | 2 | |
| 3 | 184 z 501 | bearing bushing (to starter shaft, left-hand) | 1 | |
| 4 | 1141 z 2151-0 | stop (to engaging pin) | 1 | |
| 5 | 1041 z 101 | rivet | 1 | |
| 6 | 184 z 318 | bearing bushing (to starter shaft, right-hand) | 1 | |
| 7 | 184 z 328 | bearing bushing (to clutch pressure bar) | 1 | |
| 8 | 1550 z 112-0 | oil dip stick (for gearbox) | 1 | |
| 9 | — | hex screw M 8 × 10 DIN 933 k (for oil draining) | 2 | |
| 10 | — | packing washer C 8 × 14 DIN 7603 | 2 | |
| 11 | — | stud M 8 × 30 DIN 835 k (to fasten left to right half of crankcase) | 2 | |
| — | — | hex screw M 8 × 32 DIN 931 k (to fasten left to right half of crankcase) | 1 | |
| 12 | — | stud M 8 × 35 DIN 939 k (to fasten left to right half of crankcase) | 1 | |
| 13 | — | spring washer B 8 DIN 137 k | 4 | |
| 14 | — | hex nut M 8 DIN 934 k | 4 | |
| 15 | — | hex screw M 8 × 60 DIN 931 k (to fasten left to right half of crankcase) | 1 | |
| 16 | — | hex screw M 8 × 75 DIN 931 k (to fasten left to right half of crankcase) | 2 | |
| 17 | 1303 z 02 | shim | 3 | |
| 18 | — | cylindrical screw CM 8 × 75 DIN 84 k (to fasten left to right half of crankcase) | 1 | |
| 19 | — | screw, countersunk raised head M 8 × 65 DIN 91 a (to fasten left to right half of crankcase) | 1 | |
| 20 | — | hex screw M 10 × 70 DIN 931 k (to fasten engine to frame) | 1 | |

## Illustration 2, Group M: b) Housing and Cylinder, Crankcase

| Key No. | Spare Part No. | Description | No. of Pieces | Remarks |
|---|---|---|---|---|
| 21 | — | hex screw M 10 × 90 DIN 931 k (to fasten engine to frame) .... | 2 | |
| 22 | — | spring washer A 10 DIN 127 k .... | 4 | |
| 23 | — | hex nut M 10 DIN 934 k ..... | 3 | |
| 24 | 1561 z 010 | stud (to fasten cylinder) ..... | 4 | |
| 25 | — | hex nut M 8 DIN 934 k) ..... | 4 | |
| 26 | 1561 z 107 | stud (to fasten gear selector support) ..... | 4 | |
| 27 | — | spring washer A 5 DIN 127 k ..... | 4 | |
| 28 | — | hex nut M 5 DIN 934 ..... | 4 | |
| 29 | — | lock washer 16 DIN 470 (to right half of crankcase) .... | 1 | |
| 30 | — | radial gasket (oil seal) B 14 × 24 × 7 DIN 6503 (to foot-shift shaft) ..... | 1 | |
| A | — | stud M 6 × 30 DIN 835 k (to fasten bracket for silencer) .. | 2 | |
| B | — | shake-proof (toothed) washer J 6,4 DIN 6797 k ..... | 2 | |
| C | — | hex nut M 6 DIN 934 k ..... | 2 | |
| 31 | 1806 z 105 | rubber grommet (to generator cable) in left half of crankcase .. | 1 | |
| 32 | — | hex screw M 8 × 1 × 20 DIN 960 k (stop screw for starter at left half of crankcase) ..... | 1 | |
| — | — | spring washer B 8 DIN 137 k ..... | 1 | |
| — | — | hex nut M 8 × 1 DIN 936 k ..... | 1 | |
| 33 | 263 z 209 | cover (to generator) ..... | 1 | |
| 34 | — | hex screw M 6 × 22 DIN 931 k (to fasten cover to crankcase) .. | 1 | |
| 35 | — | stud M 8 × 140 DIN 835 k (to fasten cover to crankcase) .. | 1 | |
| 36 | 1541 z 310 | screw, countersunk raised head (with internal thread) ..... | 1 | |
| 37 | 653 z 127 | facing for crankcase ..... | 1 | |
| — | — | screw, fillister head AM 6 × 20 DIN 85 k ..... | 1 | |
| — | — | spring washer A 6 DIN 137 k ..... | 1 | |

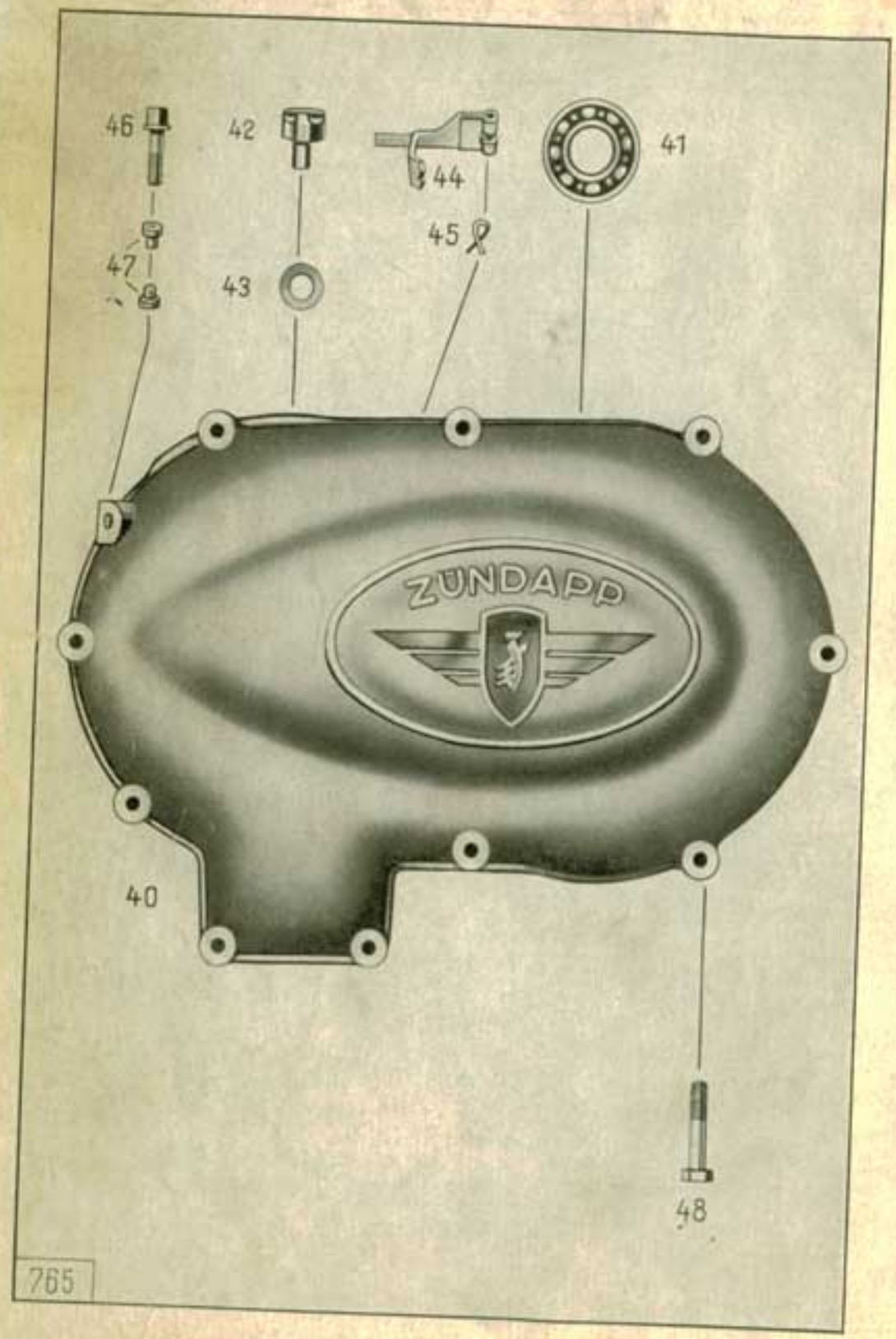





Illustration 3, Group M: b) Housing and Cylinder, Crankcase Cover

| Key No. | Spare Part No. | Description | No. of Pieces | Remarks |
|---|---|---|---|---|
| | | **Crankcase Cover** | | |
| 40 | 260 z 38 | crankcase cover | 1 | |
| 41 | 53E/-1 | ball bearing 6203 DIN 625 #203 | 1 | CAL. B RIGHT |
| 42 | 1121 z 32 | supporting bolt | 1 | |
| 43 | 1301 z 52 | compensating shim } for supporting bolt | as required | |
| — | 1301 z 616 | compensating shim } for supporting bolt | as required | |
| 44 | 670 z 220 | contact breaker arm | 1 | |
| 45 | 321 z 322 | ratchet spring | 1 | |
| — | — | C-washer 3,2 DIN 6799 | 1 | |
| 46 | 131 z 528 | contact bolt | 1 | |
| 47 | 176 z 29 | bushing | 2 | |
| — | — | washer 5,3 DIN 125 | 2 | |
| — | — | hex nut M 5 DIN 934 | 1 | |
| 48 | — | hex screw M 6 × 35 DIN 931 k (to fasten crankcase cover to crankcase) | 8 | |

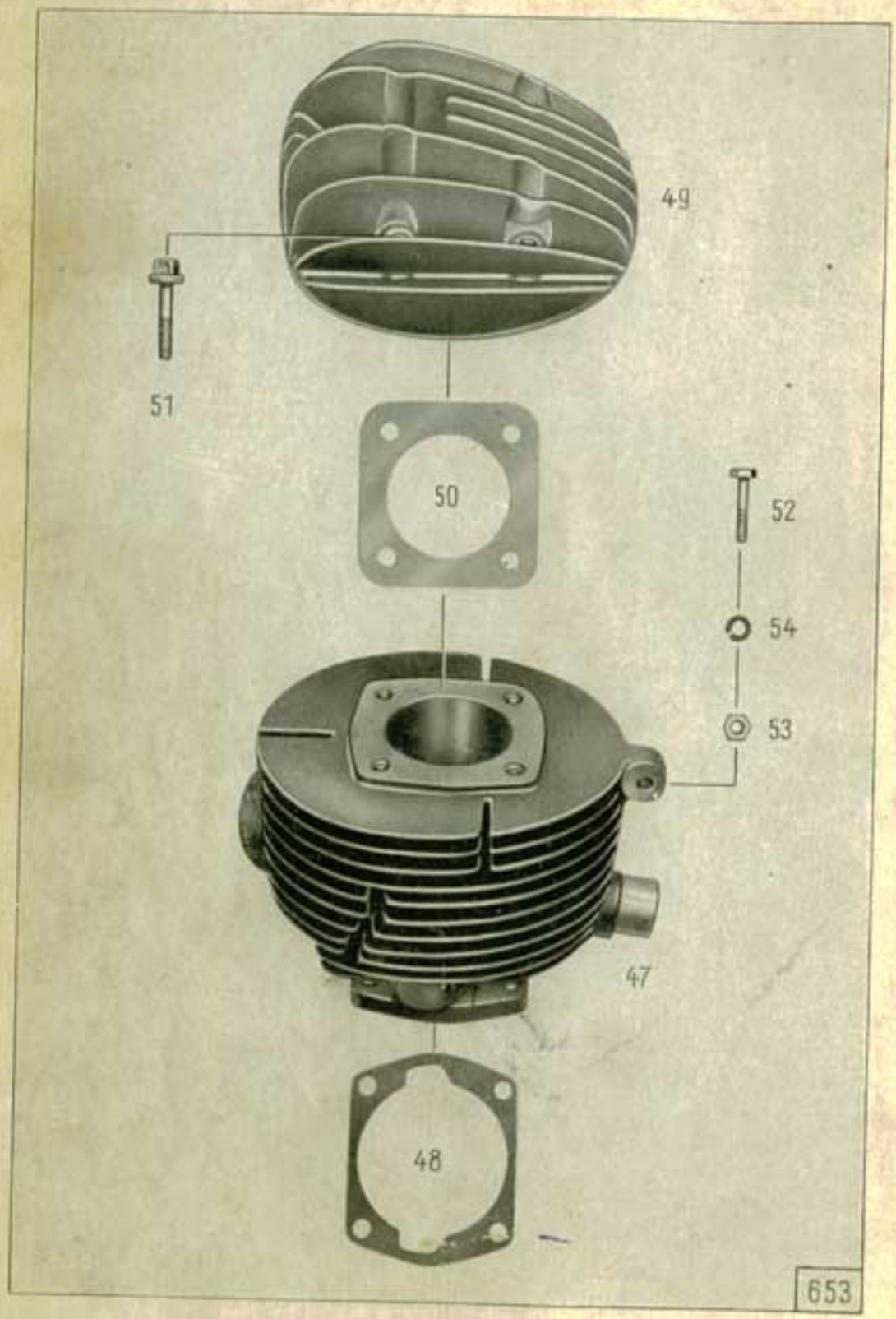
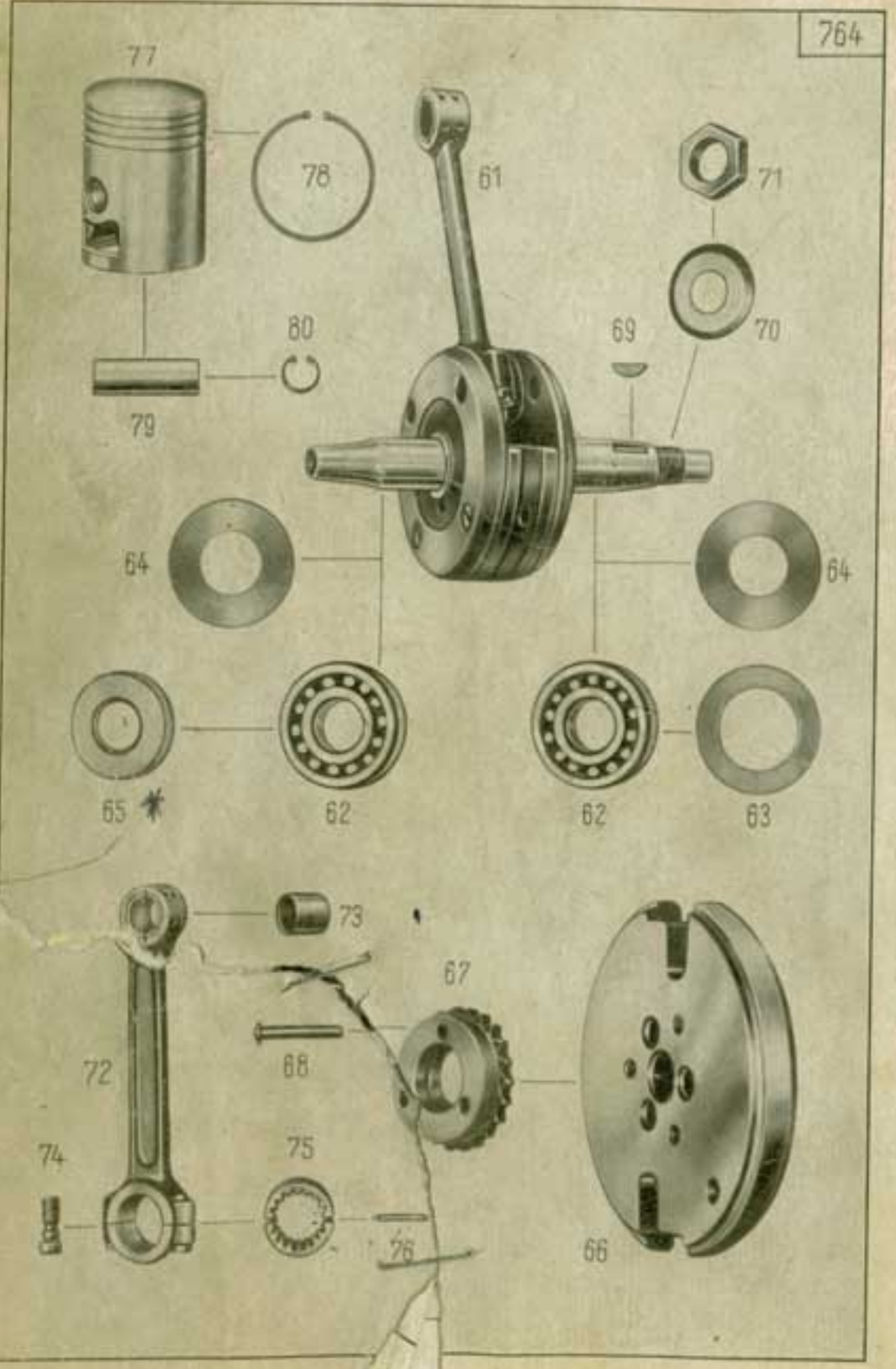





Illustration 4, Group M: b) Housing and Cylinder, Cylinder and Cylinder Head

| Key No. | Spare Part No. | Description | No. of Pieces | Remarks |
|---|---|---|---|---|
| | | **Cylinder** | | |
| 47 | 2162 z 213-8 | cylinder ..... | 1 | |
| 48 | 468 z 315-0 | cylinder base gasket ..... | 1 | |
| 49 | 273 z 162-0 | cylinder head ..... | 1 | |
| 50 | 461 z 10-0 | cylinder head gasket ..... | 1 | |
| 51 | 1551 z 016 | square screw (to fasten cylinder head) ..... | 4 | |
| 52 | — | hex screw M 8 × 35 DIN 931 k (to fasten engine to frame) .... | 1 | |
| 53 | — | hex nut M 8 DIN 934 k ..... | 1 | |
| 54 | — | spring washer A 8 DIN 127 k ..... | 1 | |

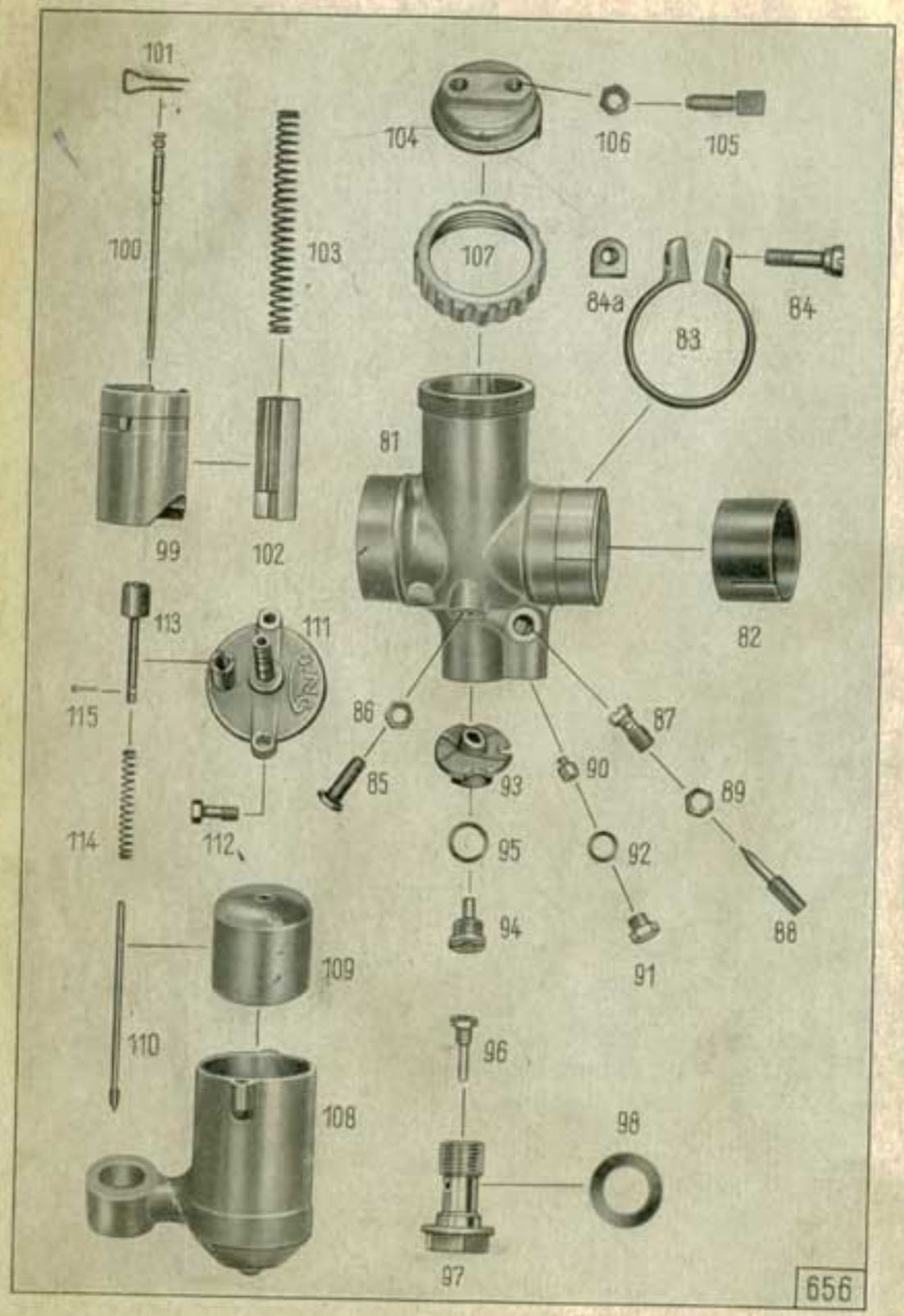







| Key No. | Spare Part No. | Description | No. of Pieces | Remarks |
|---|---|---|---|---|
| | | **Crankshaft** | | |
| 61 | 1950 k 209 | crankshaft with connecting rod .. | 1 | |
| 62 | — | roller bearing NJM 25 DIN 5412 C 2 na ..... | 2 | |
| 63 | 1301 z 132 | compensating shim 41 × 61,5 × 0,1 | as required | betw. roller bearing and crankcase |
| 63 | 1301 z 133 | compensating shim 41 × 61,5 × 0,2 | | |
| 63 | 1301 z 134 | compensating shim 41 × 61,5 × 0,3 | | |
| 63 | 1301 z 135 | compensating shim 41 × 61,5 × 0,5 | | |
| 63 | 1301 z 1012 | compensating shim 41 × 61,5 × 0,15 | | |
| 64 | 1281 z 382 | covering washer ..... | 2 | |
| 65 * | — | radial gasket (oil seal) B 25 × 52 × 12 DIN 6503 ..... | 1 | |
| 66 | 1310 z 63 | flywheel with sprocket ..... | 1 | |
| 67 | 2101 z 152 | sprocket 22 teeth (to flywheel) .. | 1 | |
| 68 | — | rivet, button head, 7 × 40 DIN 660 | 3 | |
| 69 | — | key 4 × 6,5 DIN 6888 ..... | 1 | |
| 70 | 1291 z 64 | safety washer ..... | 1 | |
| 71 | 1001 z 020 | hex nut ..... | 1 | |
| | | **Connecting Rod** | | |
| 72 | 1160 k 153 | connecting rod ..... | 1 | |
| 73 | 184 z 548 | gudgeon pin bushing ..... | 1 | |
| 74 | 1571 z 01 | connecting rod screw ..... | 2 | |
| 75 | 1874 z 01 | cage ring ..... | 1 | |
| 76 | 1871 z 01 | bearing needle ..... | 18 | |
| | | **Piston** | | |
| 77 | 883 z 163-0 | piston 67,0 mm ⌀ (standard) .... | 1 | |
| 77 | 2473 k 79-0 | piston 67,5 mm ⌀ (1st oversize) .. | 1 | |
| 77 | 2473 k 80-0 | piston 68,0 mm ⌀ (2nd oversize) .. | 1 | |
| 77 | 2473 k 81-0 | piston 68,5 mm ⌀ (3rd oversize) .. | 1 | |
| 77 | 2473 k 82-0 | piston 69,0 mm ⌀ (4th oversize) .. | 1 | |
| 78 | 1262 z 105 | piston ring 67,0 mm ⌀ (standard) .. | 3 | |
| 78 | 2442 k 54-0 | piston ring 67,5 mm ⌀ (1st oversize) | 3 | |
| 78 | 2442 k 55-0 | piston ring 68,0 mm ⌀ (2nd oversize) | 3 | |
| 78 | 2442 k 56-0 | piston ring 68,5 mm ⌀ (3rd oversize) | 3 | |
| 78 | 2442 k 57-0 | piston ring 69,0 mm ⌀ (4th oversize) | 3 | |
| 79 | 121 z 1013 | gudgeon pin ..... | 1 | |
| 80 | — | circlip 18 × 1 DIN 472 ..... | 2 | |

* ELECT. STARTER MODELS
SEAL # DIN 6503 20 x 47 x 10

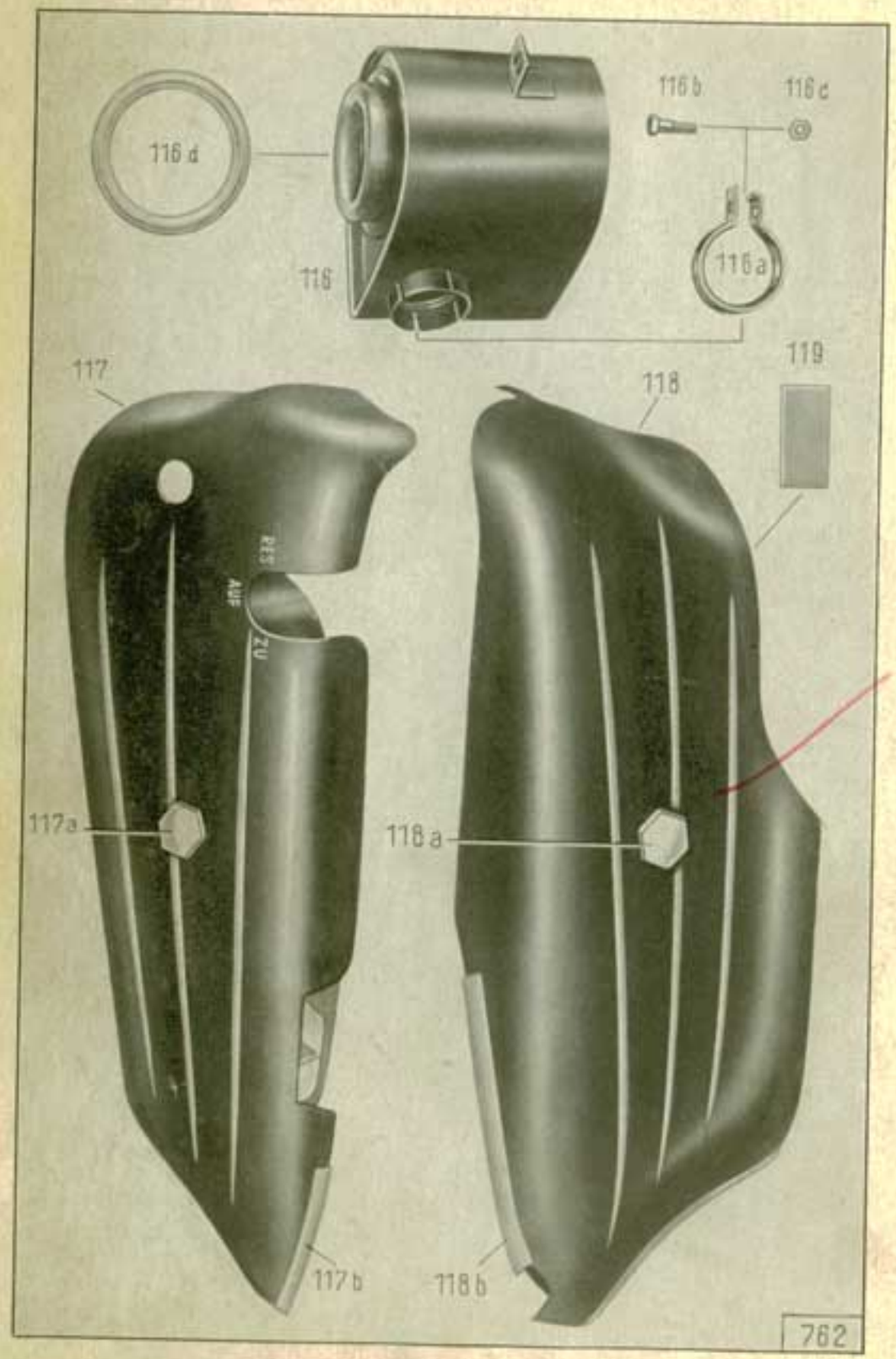







| Key No. | Spare Part No. | Description | No. of Pieces | Remarks |
|---|---|---|---|---|
| | | **Carburettor** | | |
| — | 6430 z 83-0 | carburettor (model Bing 2/26/51) | 1 | |
| 81 | 2403 k 102 | carburettor housing | 1 | |
| 82 | 2407 k 16-0 | insulating bushing (to carburettor housing) | 1 | |
| 83 | 2401 k 97-2 | clamping ring | 1 | |
| 84 | 2401 k 98-2 | screw (to clamping ring) | 1 | |
| 84a | 2401 k 99-2 | nut (to above screw) | 1 | |
| 85 | 2401 k 3-2 | idle running adjusting screw | 1 | |
| 86 | 2401 k 6-2 | nut (to idle running adjusting screw) | 1 | |
| 87 | 2401 k 10-4 | idle jet | 1 | |
| 88 | 2401 k 14-2 | idle air screw | 1 | |
| 89 | 2401 k 12-4 | nut (to idle air screw) | 1 | |
| 90 | 2404 k 23-0 | idle jet (size 40) | 1 | |
| 91 | 2401 k 51-6 | lock screw (to idle jet) | 1 | |
| 92 | 2407 k 6-0 | gasket (to lock screw) | 1 | |
| 93 | 2403 k 90-0 | mixing chamber insert (size 5) | 1 | |
| 94 | 2404 k 1-0 | needle jet (size 2,70) | 1 | |
| 95 | 2407 k 12-0 | gasket (to needle jet) | 1 | |
| 96 | 2404 k 2-0 | main jet (size 120) | 1 | |
| 97 | 2403 k 6-0 | jet block | 1 | |
| 98 | 2407 k 1-0 | gasket (to jet block) | 2 | |
| 99 | 2403 k 91-0 | gas slide | 1 | |
| 100 | 2401 k 88-0 | jet needle | 1 | |
| 101 | 2401 k 8-2 | clip (to jet needle) | 1 | |
| 102 | 2403 k 92-0 | air slide | 1 | |
| 103 | 2401 k 52-2 | slide spring | 2 | |
| 104 | 2403 k 71-0 | cover plate | 1 | |
| 105 | 2401 k 5-4 | cable adjusting screw | 2 | |
| 106 | 2401 k 6-2 | nut (to cable adjusting screw) | 2 | |
| 107 | 2403 k 51-0 | nut (to seal cover) | 1 | |
| 108 | 2403 k 93-0 | float chamber | 1 | |
| 109 | 2404 k 31-0 | float | 1 | |
| 110 | 2401 k 73-2 | float needle | 1 | |
| 111 | 2403 k 94-0 | float chamber cover | 1 | |
| 112 | 2401 k 61-2 | fixing screw (to cover) | 2 | |
| 113 | 2401 k 71-2 | tickler | 1 | |
| 114 | 2401 k 57-2 | tickler spring | 1 | |
| 115 | 2401 k 19-3 | split pin | 1 | |

## Illustration 7, Group M: f) Air Cleaner and Covering






## Illustration 7, Group M: f) Air Cleaner and Covering

| Key No. | Spare Part No. | Description | No. of Pieces | Remarks |
|---|---|---|---|---|
| | | **Air Cleaner** | | |
| 116 | 6410 z 209-8 | air cleaner | 1 | |
| 116a | 1441 z 160 | clamp | 1 | |
| 116b | — | hex screw M 6 × 22 DIN 931 k (to clamp) | 1 | |
| 116c | — | hex nut M 6 DIN 934 k | 1 | |
| | — | hex screw M 6 × 10 DIN 933 k (to fasten air cleaner to frame) | 1 | |
| | — | spring washer A 6 DIN 137 k | 1 | |
| 116d | 1236 z 341 | rubber ring | 1 | |
| | | **Covering** | | |
| 117 | 6350 z 132-0 | left half of covering | 1 | |
| 117a | 1551 z 441-4 | hex screw | 1 | |
| — | 1331 z 850-3 | distance tube | 1 | |
| 117b | 1396 z 247-0 | profile rubber | 1 | |
| — | 1146 z 103-0 | rubber plate | 1 | |
| — | — | spring washer A 10 DIN 137 | 1 | |
| 118 | 650 z 299-8 | right half of covering | 1 | |
| 118a | 1551 z 441-4 | hex screw | 1 | |
| — | 1331 z 850-3 | distance tube | 1 | |
| 118b | 1396 z 236-0 | profile rubber | 2 | |
| — | — | spring washer A 10 DIN 137 | 1 | |
| 119 | 1146 z 99-0 | rubber plate | 1 | |

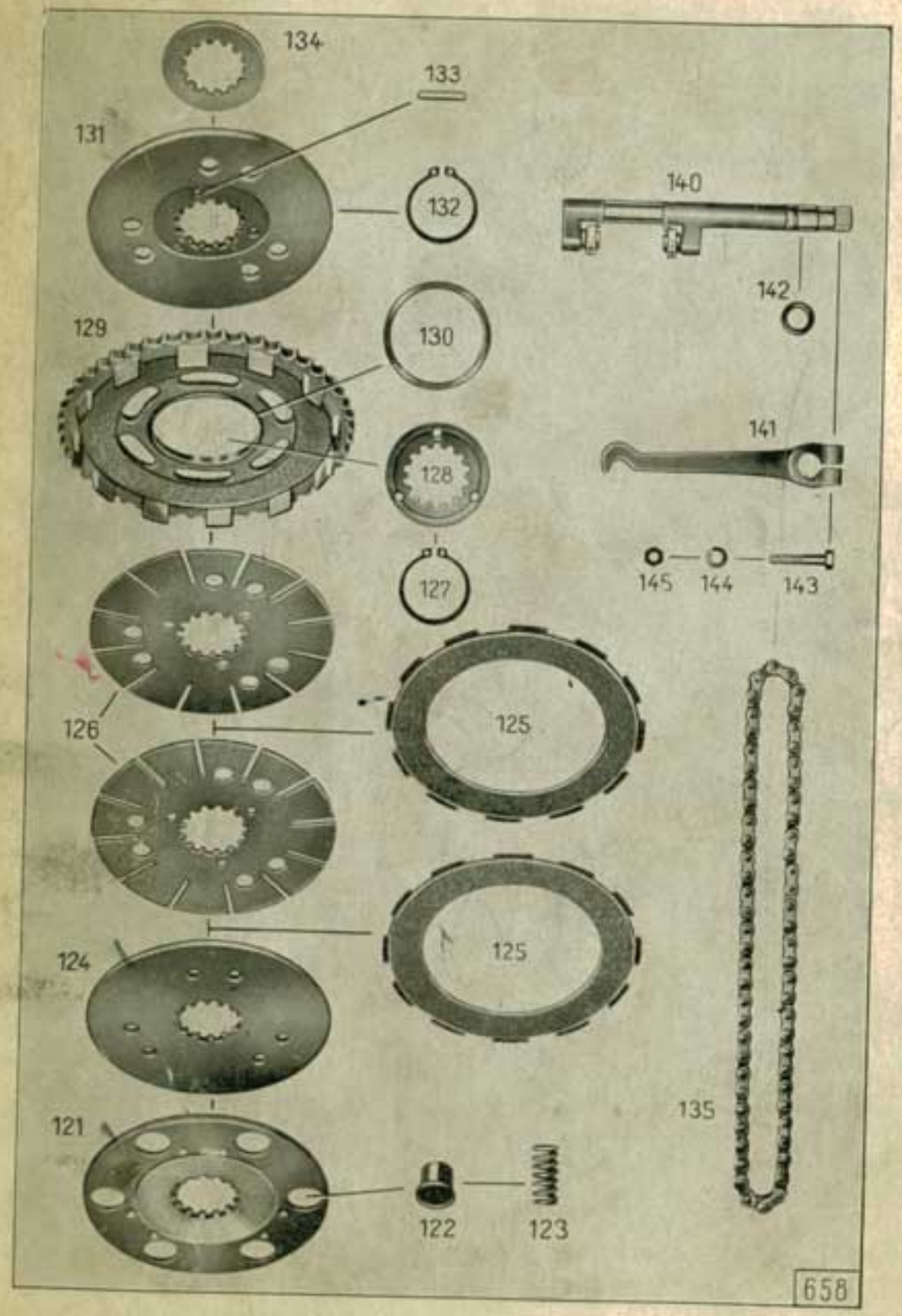
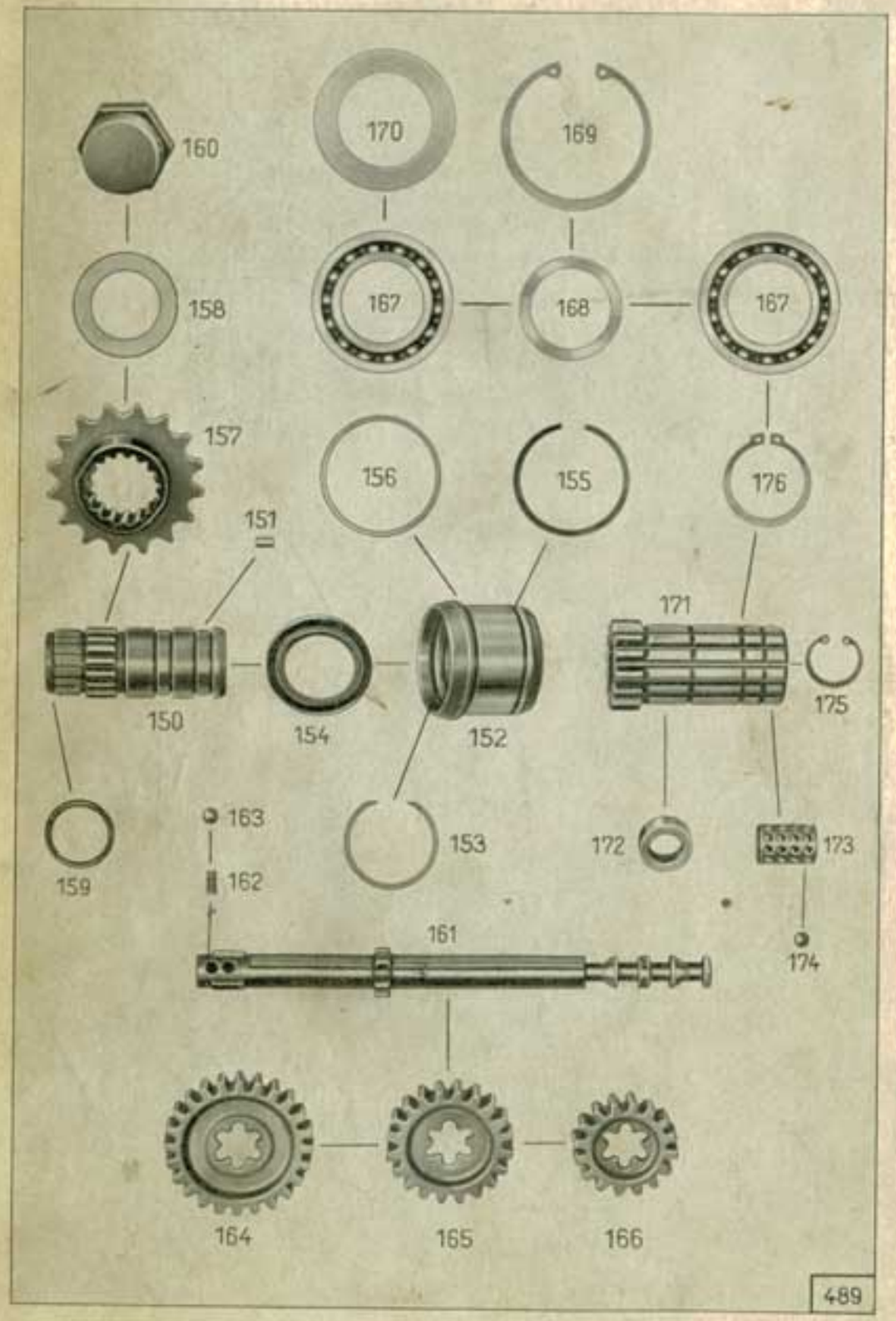





Illustration 8, Group M: g) Clutch, Clutch, Clutch Operating Mechanism

| Key No. | Spare Part No. | Description | No. of Pieces | Remarks |
|---|---|---|---|---|
| | | **Clutch** | | |
| 121 | 921 z 69 | spring plate | 1 | |
| 122 | 781 z 273 | spring cup (in spring plate) | 6 | |
| 123 | 321 z 45 | clutch spring | 6 | |
| 124 | 921 z 67 | clutch pressure plate | 1 | |
| 125 | 920 z 53 | clutch disk (with lining) | 3 | |
| 126 | 921 z 206 | clutch disk | 3 | |
| 127 | — | circlip 35 × 1,5 DIN 471 | 1 | with ground side surfaces |
| 128 | 1231 z 212 | spacer ring | 1 | |
| 129 | 2100 z 171 | clutch sprocket with bushing, 48 teeth | 1 | |
| 130 | 184 z 317 | bushing (within clutch sprocket) | 1 | |
| 131 | 921 z 203 | clutch plate | 1 | |
| 132 | — | circlip 35 × 1,5 DIN 471 | 1 | with ground side surfaces |
| 133 | 1691 z 113 | push rod | 3 | |
| 134 | 1231 z 213 | pressure ring | 1 | |
| 135 | — | roller chain 62 links, endless A 9,5 × 9,5 DIN 73 232 | 1 | |
| | | **Clutch Operating Mechanism** | | |
| 140 | 1940 z 25 | clutch pressure bar, complete | 1 | |
| 141 | 671 z 318 | clutch lever (for clutch pressure bar) | 1 | |
| 142 | 1236 z 222 | packing washer | 1 | |
| 143 | — | hex screw M 6 × 28 DIN 931 k (to fasten clutch lever to clutch pressure bar) | 1 | |
| 144 | — | spring washer A 6 DIN 127 k | 1 | |
| 145 | — | hex nut M 6 DIN 934 k | 1 | |

## Illustration 9, Group G: c) Shafts and Gears, Selector Shaft






## Illustration 9, Group G: c) Shafts and Gears, Selector Shaft

| Key No. | Spare Part No. | Description | No. of Pieces | Remarks |
|---|---|---|---|---|
| | | **Selector Shaft** | | |
| 150 | 961 z 125 | final drive shaft | 1 | |
| 151 | 1871 z 07 | roller | 38 | |
| 152 | 1871 z 154 | bearing ring (to left half of crankcase) | 1 | |
| 153 | 1251 z 99 | internal circlip } in order to compensate bearing play inside the bearing ring | 2 | at option |
| — | 1251 z 251 | internal circlip } in order to compensate bearing play inside the bearing ring | 2 | at option |
| — | 1251 z 252 | internal circlip } in order to compensate bearing play inside the bearing ring | 2 | at option |
| 154 | — | radial gasket (oil seal) B 32 × 45 × 7 DIN 6503 (in bearing ring) | 1 | |
| 155 | 1251 z 176 | snap ring (to fasten bearing ring in half of crankcase) | 1 | |
| 156 | 1301 z 603 | compensating shim 48,1 × 52,3 × 0,5 } as required | | betw. bearing ring and half of crankcase |
| A | 1301 z 604 | compensating shim 48,1 × 52,3 × 0,3 } as required | | betw. bearing ring and half of crankcase |
| B | 1301 z 605 | compensating shim 48,1 × 52,3 × 0,2 } as required | | betw. bearing ring and half of crankcase |
| 157 | 2101 z 60 | sprocket 16 teeth (on final drive shaft) | 1 | |
| 158 | 1291 z 65 | safety washer | 1 | |
| 159 | 1236 z 220 | packing washer | 1 | |
| 160 | 1001 z 214 | lock nut (to fasten sprocket to final drive shaft) | 1 | |
| 161 | 1921 z 701 | selector shaft* | 1 | |
| 162 | 321 z 312 | pressure spring | 2 | |
| 163 | — | ball 6 mm III DIN 5401 | 3 | |
| 164 | 2131 z 303 | gear wheel 1st speed 24 teeth | 1 | |
| 165 | 2131 z 304 | gear wheel 2nd speed 20 teeth | 1 | |
| 166 | 2131 z 307 | gear wheel 3rd speed 17 teeth | 1 | |
| 167 | — | ball bearing 16 007 DIN 625 (to right half of crankcase) | 2 | |
| 168 | — | spacer ring 35 × 45 × 2 DIN 988 (between the ball bearings) | 1 | |

## Illustration 9, Group G: c) Shafts and Gears, Selector Shaft

| Key No. | Spare Part No. | Description | No. of Pieces | Remarks |
|---|---|---|---|---|
| 169 | — | circlip 62 x 2 DIN 472 ..... | 1 | |
| 170 | 1301 z 133 | compensating shim (between crankcase and ball bearing) .. | 1 | |
| 171 | 960 z 101 | clutch hub (simultaneously 4th speed) .... | 1 | |
| 172 | 184 z 324 | bearing bushing (in clutch hub) .. | 1 | |
| 173 | 1871 z 151 | ball cage ..... | 1 | |
| 174 | — | ball 4 mm III DIN 5401 ..... | 40 | |
| 175 | 1251 k 259-0 | circlip J 23 × 1,2 ..... | 1 | |
| 176 | — | circlip 35 × 1,5 DIN 471 (to fasten clutch hub to half of crankcase) ..... | 1 | with ground side surfaces |

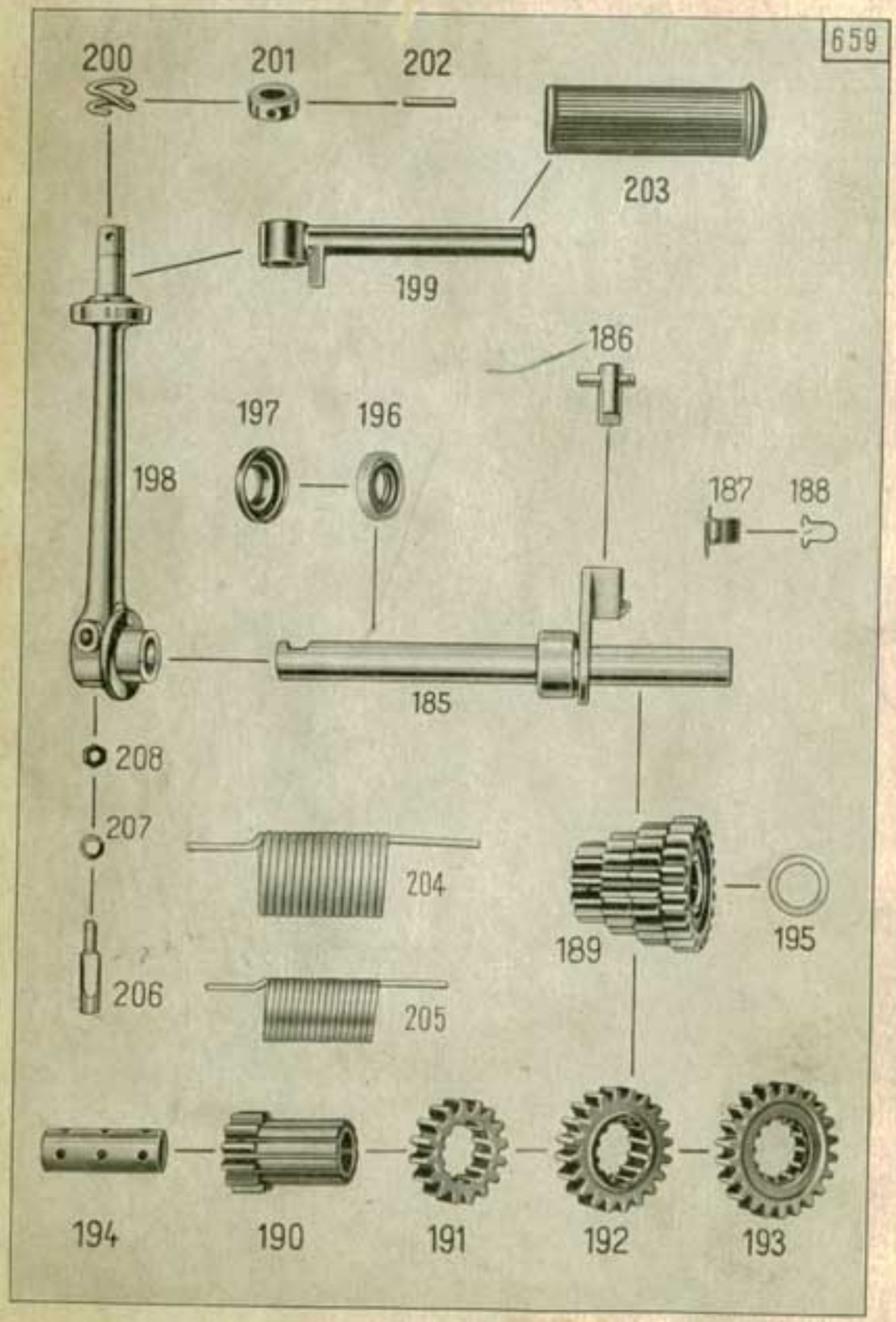
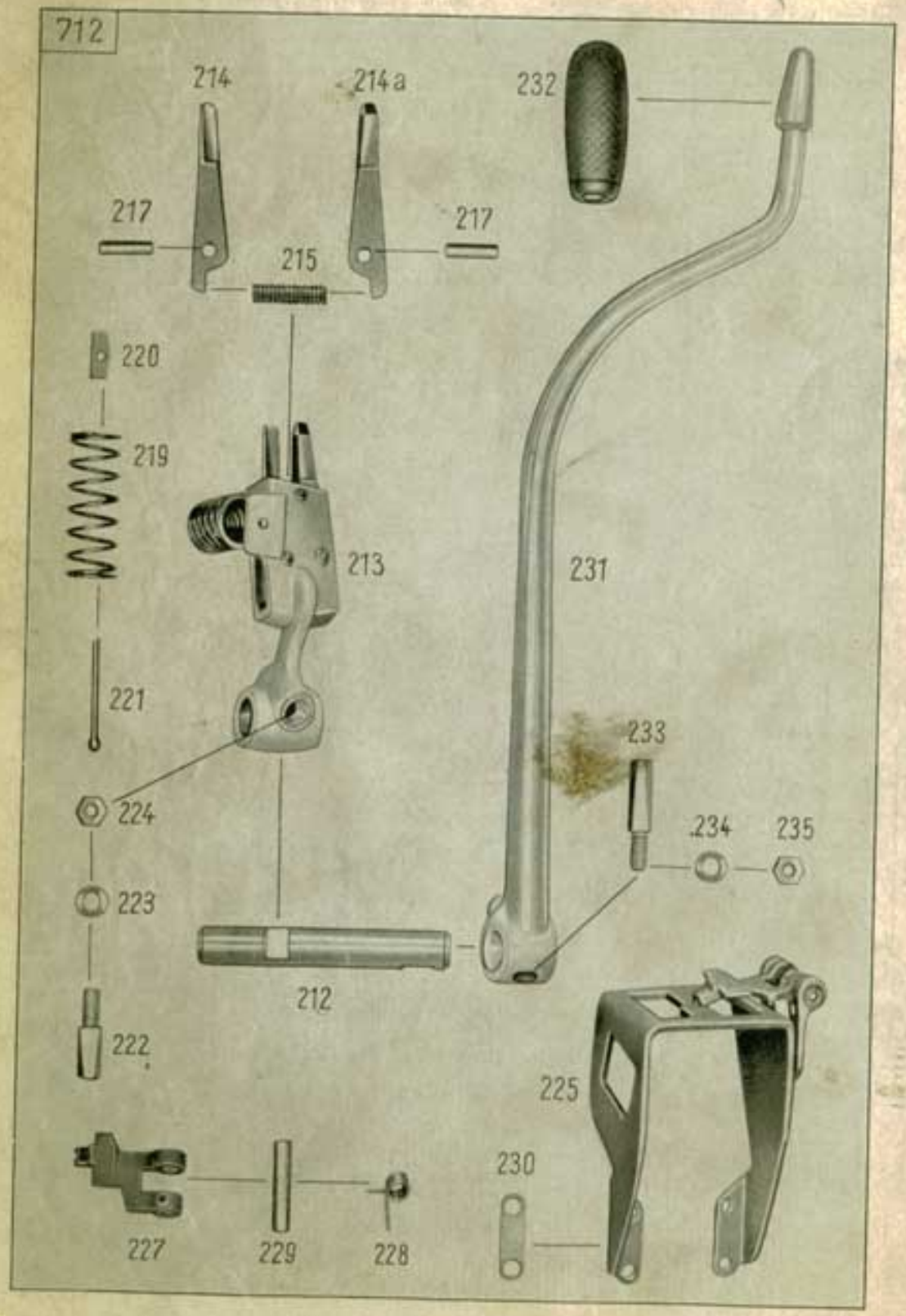





Illustration 10, Group G: c) Shafts and Gears, Starter Shaft

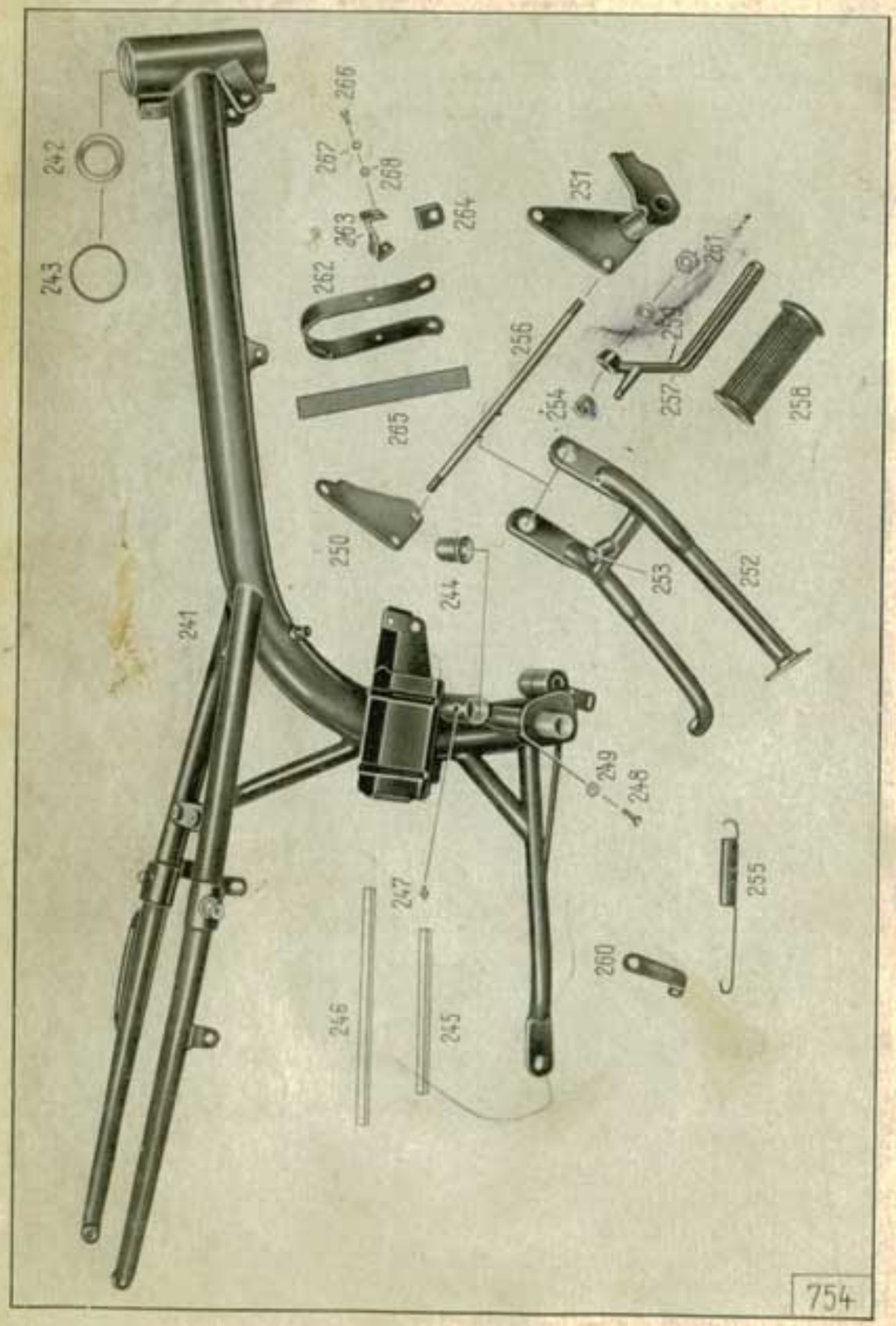
| Key No. | Spare Part No. | Description | No. of Pieces | Remarks |
|---|---|---|---|---|
| | | **Starter Shaft** | | |
| 185 | 1940 z 205-0 | starter shaft, complete | 1 | |
| 186 | 1690 z 3 | engaging pin with return pin | 1 | |
| 187 | 321 z 314 | lock spring | 1 | |
| 188 | 211 z 201 | spring clip | 1 | |
| 189 | 2130 z 101 | counter-gear wheel block, compl. | 1 | |
| 190 | 2131 z 238 | gear wheel 1st speed 12 teeth | 1 | |
| 191 | 2131 z 239 | gear wheel 2nd speed 16 teeth | 1 | |
| 192 | 2131 z 247 | gear wheel 3rd speed 19 teeth | 1 | |
| 193 | 2131 z 237 | drive gear wheel 22 teeth | 1 | |
| 194 | 184 z 316 | bushing | 1 | |
| 195 | 1301 z 177 | compensating shim 18,2 × 25,7 × 0,5 | as required | betw. gear wheel block and right half of crankcase |
| — | 1301 z 367 | compensating shim 18,2 × 25,7 × 0,2 | | |
| — | 1301 z 368 | compensating shim 18,2 × 25,7 × 0,3 | | |
| 196 | — | gasket „Diring" (model K 200) 17 × 30 × 7 DIN 6503 | 1 | |
| 197 | 781 z 274 | protective cap (for gasket "Diring") | 1 | |
| 198 | 901 z 206-4 | starter arm | 1 | |
| 199 | 131 z 02 | kickstarter rod | 1 | |
| 200 | 1251 z 253 | double spring washer | 1 | |
| 201 | 1231 z 215 | fixing ring | 1 | |
| 202 | — | pin 4 × 22 DIN 1471 | 1 | |
| 203 | 616 z 01 | rubber sleeve | 1 | |
| 204 | 321 z 573-3 | return spring (to starter shaft) | 1 | |
| 205 | 321 z 574-3 | return spring (to starter shaft) | 1 | |
| 206 | 121 z 553 | cotter pin (to fasten starter arm to starter shaft) | 1 | |
| 207 | — | spring washer A 6 DIN 127 k | 1 | |
| 208 | — | hex nut M 6 DIN 934 k | 1 | |







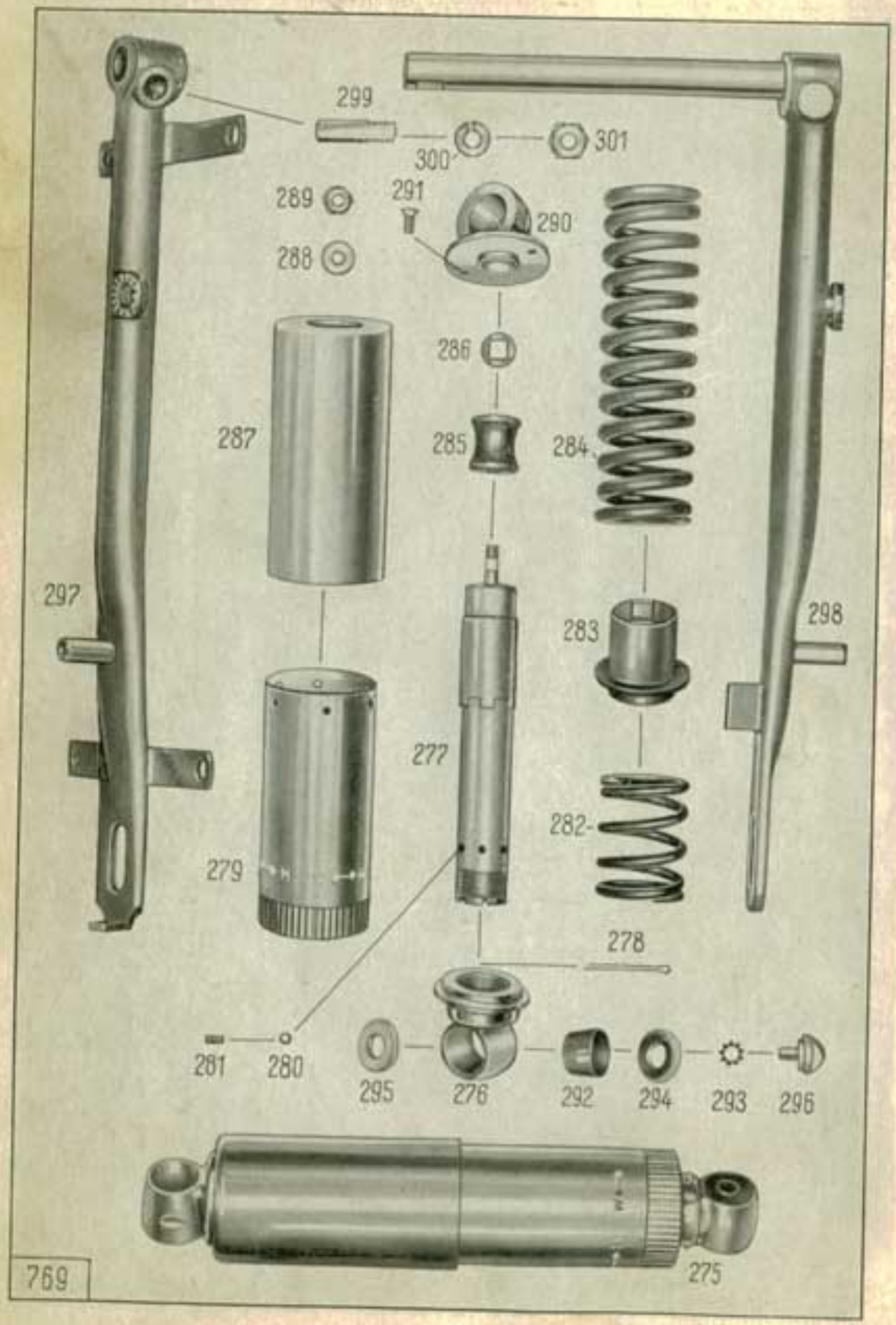

| Key No. | Spare Part No. | Description | No. of Pieces | Remarks |
|---|---|---|---|---|
| | | **Footshift Mechanism** | | |
| 212 | 1941 z 311-4 | footshift shaft | 1 | |
| 213 | 670 k 233 | gear selector fork, compl. | 1 | |
| 214 | 841 z 40-0 | gear selector finger, left | 1 | |
| 214a | 841 z 41-0 | gear selector finger, right | 1 | |
| 215 | 321 z 317 | pressure spring | 1 | |
| 217 | — | riveting pin A 5 h 9 × 20 DIN 7341 | 3 | |
| 219 | 321 z 316 | return spring | 1 | |
| 220 | 1281 z 359 | joint | 2 | |
| 221 | — | split pin 3 × 35 DIN 94 | 1 | |
| 222 | 121 z 1112-3 | cotter pin (to fasten gear selector fork to footshift shaft) | 1 | |
| 223 | — | spring washer B 6 DIN 137 k | 2 | |
| 224 | — | hex nut M 6 DIN 934 k | 1 | |
| 225 | 200 k 107 | gear selector support with ratchet | 1 | |
| 227 | 841 z 39 | ratchet | 1 | |
| 228 | 321 z 322 | ratchet spring | 1 | |
| 229 | — | riveting pin A 6 h 9 × 32 DIN 7341 | 1 | |
| 230 | 1281 z 242 | joint | 4 | at option |
| A | 1281 z 243 | joint (to gear selector support) | 4 | at option |
| B | 1281 z 244 | joint (to gear selector support) | 4 | at option |
| 231 | 683 z 11-0 | footshift lever | 1 | |
| 232 | 616 z 25 | rubber sleeve | 1 | |
| 233 | 121 z 553 | cotter pin (to fasten footshift lever to footshift shaft) | 1 | |
| 234 | — | spring washer B 6 DIN 137 k | 2 | |
| 235 | — | hex nut M 6 DIN 934 k | 1 | |








| Key No. | Spare Part No. | Description | No. of Pieces | Remarks |
|---|---|---|---|---|
| | | **Frame** | | |
| 241 | 6690 z 333-8 | frame | 1 | |
| 242 | 1871 z 155 | frame race | 2 | |
| 243 | — | not mounted on model 250 S Super-Sabre | — | |
| 244 | 184 z 525-0 | bushing (for swinging arm) | 2 | |
| — | 786 z 17 | dust protective cap (on bushing for antitheft lock) | 1 | |
| 245 | 1396 z 255 | rubber lace | 2 | |
| 246 | 1396 z 256 | rubber lace | 1 | |
| 247 | 1080 z 1 | grease nipple | 1 | |
| 248 | — | hex screw M 6 × 20 DIN 933 k (stop screw for footbrake lever) | 1 | |
| 249 | — | hex nut M 6 DIN 934 k | 1 | |
| 250 | 1140 z 1238-8 | bracket, left-hand (to lower engine suspension) | 1 | |
| 251 | 1140 z 1257-8 | bracket, right-hand (to lower engine suspension) | 1 | |
| 252 | 1750 z 234-8 | center stand | 1 | |
| 253 | 616 z 219 | rubber damper (in center stand) | 1 | |
| 254 | 1331 z 923-0 | distance tube | 2 | |
| 255 | 321 z 545 | return spring (to center stand) | 1 | |
| 256 | 121 z 1142-2 | footrest rod | 1 | |
| 257 | 631 z 598-8 | footrest arm | 2 | |
| 258 | 616 z 237 | footrest rubber | 2 | |
| 259 | — | spring washer B 12 DIN 137 | 1 | |
| 260 | 1181 z 413 | bracket (to return spring) | 1 | |
| 261 | — | hex nut M 12 × 1,5 DIN 936 k | 2 | |
| 262 | 1141 z 2216-2 | clip (to fasten cylinder to frame) | 1 | |
| 263 | 1141 z 2214-2 | supporting plate | 1 | |
| 264 | 1141 z 2215-2 | reinforcing plate | 2 | |
| 265 | 1396 z 251-0 | rubber band | 1 | |
| 266 | — | hex screw M 6 × 12 DIN 933 k (to fasten supporting plate to clip) | 2 | |
| 267 | — | spring washer B 6 DIN 137 k | 2 | |
| 268 | — | hex nut M 6 DIN 934 k | 2 | |








| Key No. | Spare Part No. | Description | No. of Pieces | Remarks |
|---|---|---|---|---|
| | | **Spring Unit (so-called "Spring Leg")** up to Frame No. 932 002 | | |
| 275 | 6350 z 135-0 | spring leg with shock absorber, complete | 2 | |
| 276 | 553 z 113-0 | bar head, lower | 2 | |
| 277 | 6350 z 103-0 | shock absorber | 2 | |
| 278 | — | split pin 3 × 45 DIN 94 (to fasten shock absorber to lower bar head) | 2 | |
| 279 | 980 z 6 | adjusting sleeve | 2 | |
| — | 1127 z 5 | distance bolt | 12 | |
| 280 | — | ball 5,5 mm III DIN 5401 | 6 | |
| 281 | 321 z 312 | pressure spring (to ball) | 6 | |
| 282 | 321 z 542 | pressure spring, short | 2 | |
| 283 | 631 z 547 | spring carrier | 2 | |
| 284 | 321 z 543 | pressure spring, long | 2 | |
| 285 | 616 z 223-0 | rubber damper (on shock absorber) | 2 | |
| — | 616 z 265-0 | rubber damper | 2 | |
| 286 | 1301 z 667 | washer | 2 | |
| 287 | 173 z 103-0 | protective sleeve, outer | 2 | |
| 288 | — | spring washer B 8 DIN 137 k | 2 | |
| 289 | — | hex nut M 8 DIN 934 k | 2 | |
| 290 | 553 z 112-0 | bar head, upper | 2 | |
| 291 | — | screw, countersunk raised head, AM 6 × 12 DIN 91 crp (to fasten upper bar head to protective sleeve) | 4 | |
| 292 | 176 z 44-0 | rubber bushing (in upper and lower bar heads) | 8 | |
| 293 | — | shake-proof (toothed) washer A 8,4 DIN 6797 | 4 | |
| 294 | 1301 z 1052-3 | washer | 4 | |
| 295 | 1301 z 1053-3 | washer | 4 | |
| 296 | 1541 z 320-3 | lock screw (to fasten spring leg to frame as well as to swinging fork) | 4 | |
| | | **Swinging Fork** | | |
| 297 | 710 z 224-8 | swinging arm, left-hand | 1 | |
| 298 | 710 z 251-0 | swinging arm, right-hand, with shaft | 1 | |
| 299 | 121 z 1085-3 | cotter pin (to fasten swinging arm to shaft) | 1 | |
| 300 | — | spring washer A 12 DIN 127 k | 1 | |
| 301 | — | hex nut M 12 × 1,5 DIN 936 k | 1 | |

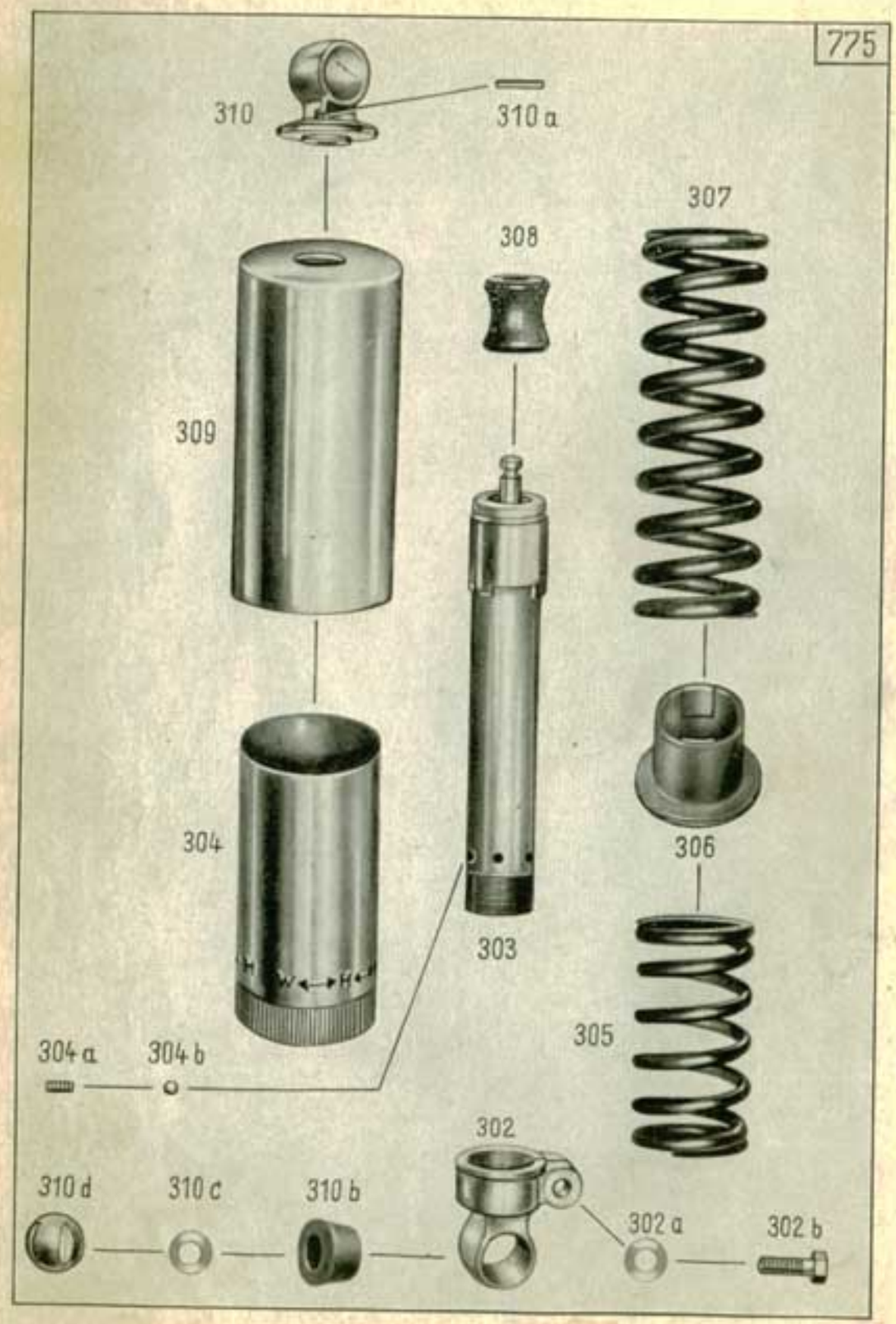





Illustration 13a, Group R: a) Frame, Spring Leg

| Key No | Spare Part No. | Description | No. of Pieces | Remarks |
|---|---|---|---|---|
| | | **Spring Unit (so-called "Spring Leg")** from Frame No. 932 003 | | |
| — | 6350 z 144-0 | spring leg with shock absorber, complete | 2 | |
| 302 | 553 z 111 | bar head, lower | 2 | |
| 302a | — | spring washer A 8 DIN 137 k | 2 | |
| 302b | — | hex screw M 8 × 25 DIN 931 k | 2 | |
| 303 | 6350 z 136-2 | shock absorber | 2 | |
| 304 | 980 z 10-0 | adjusting sleeve | 2 | |
| 304a | 321 z 312-0 | pressure spring | 6 | |
| 304b | — | ball 5,5 mm III DIN 5401 | 6 | |
| 305 | 321 z 593-2 | pressure spring, short | 2 | |
| 306 | 631 z 547-0 | spring carrier | 2 | |
| 307 | 321 z 594-2 | pressure spring, long | 2 | |
| 308 | 616 z 223-0 | rubber damper (on shock absorber) | 2 | |
| — | 616 z 265-0 | rubber damper | 2 | |
| 309 | 173 z 121-0 | protective sleeve, outer | 2 | |
| 310 | 553 z 114-0 | bar head, upper | 2 | |
| 310a | — | pin 4 × 20 DIN 1472 (to fasten upper bar head as well as protective sleeve to shock absorber) | 4 | |
| 310b | 176 z 40-0 | rubber bushing (in upper and lower bar heads) | 8 | |
| 310c | — | spring washer A 8 DIN 137 k | 4 | |
| 310d | 1541 z 311-3 | lock screw (to fasten spring leg to frame as well as to swinging fork) | 4 | |

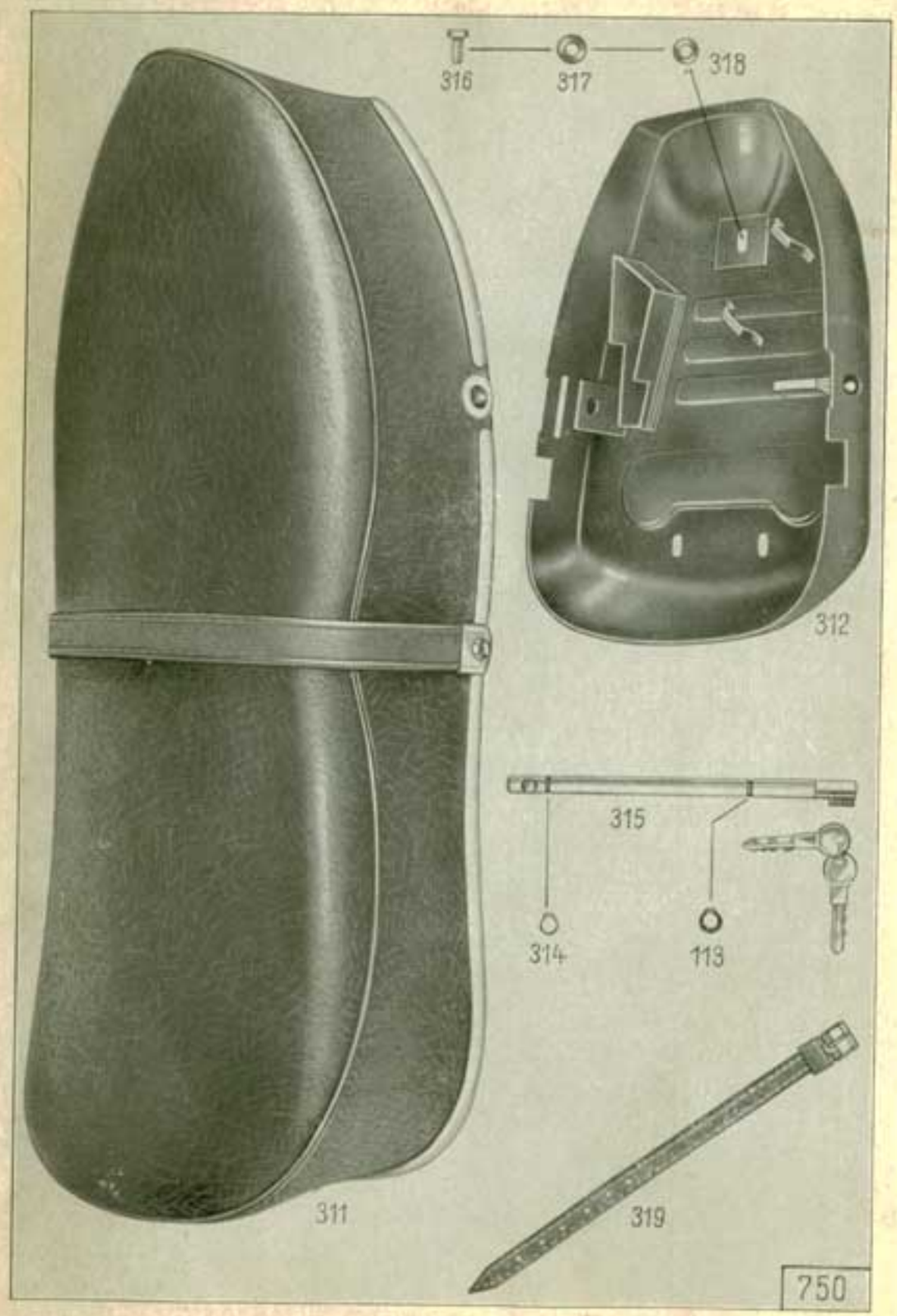
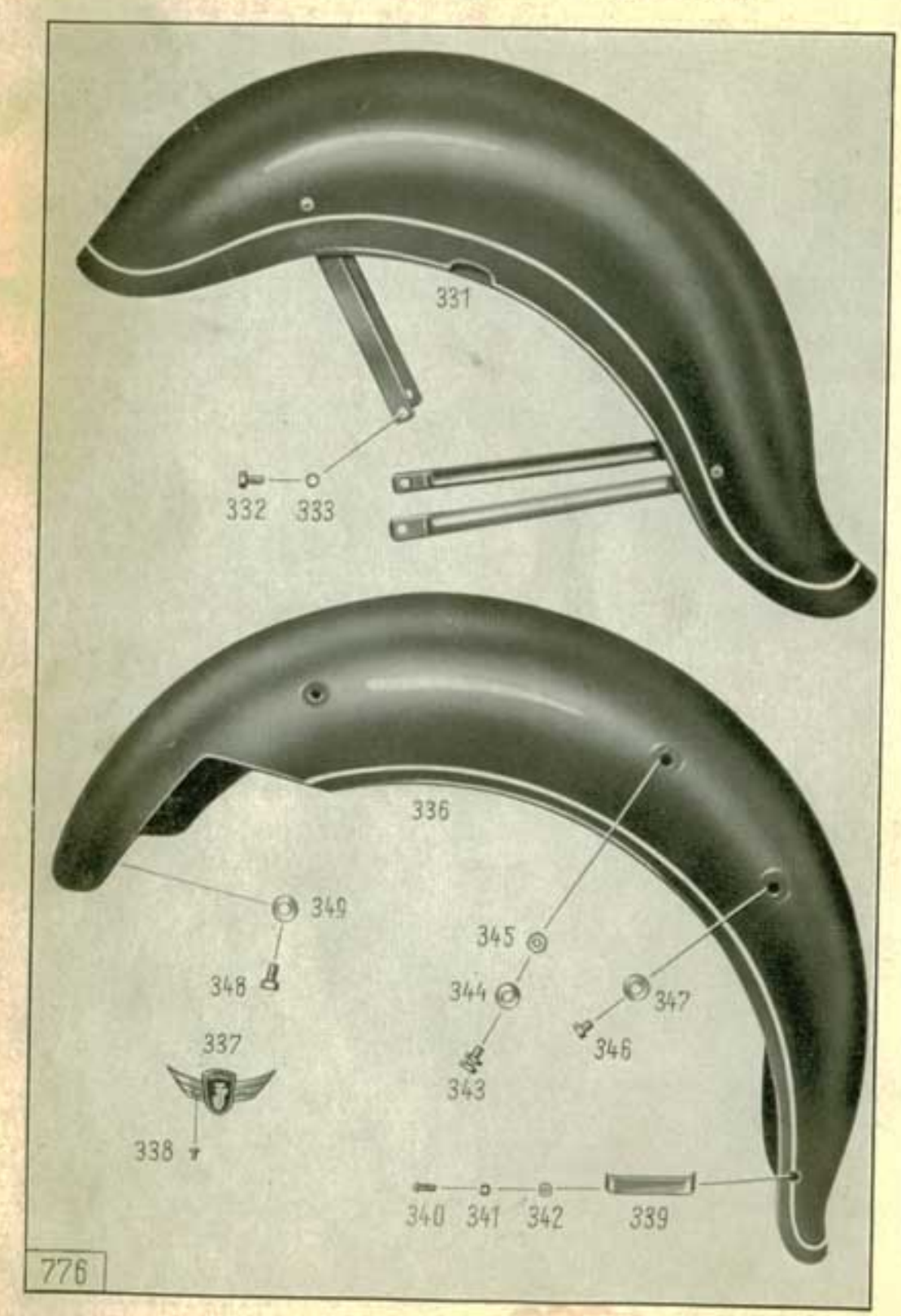





Illustration 14, Group R: b) Dual Seat and Toolbox

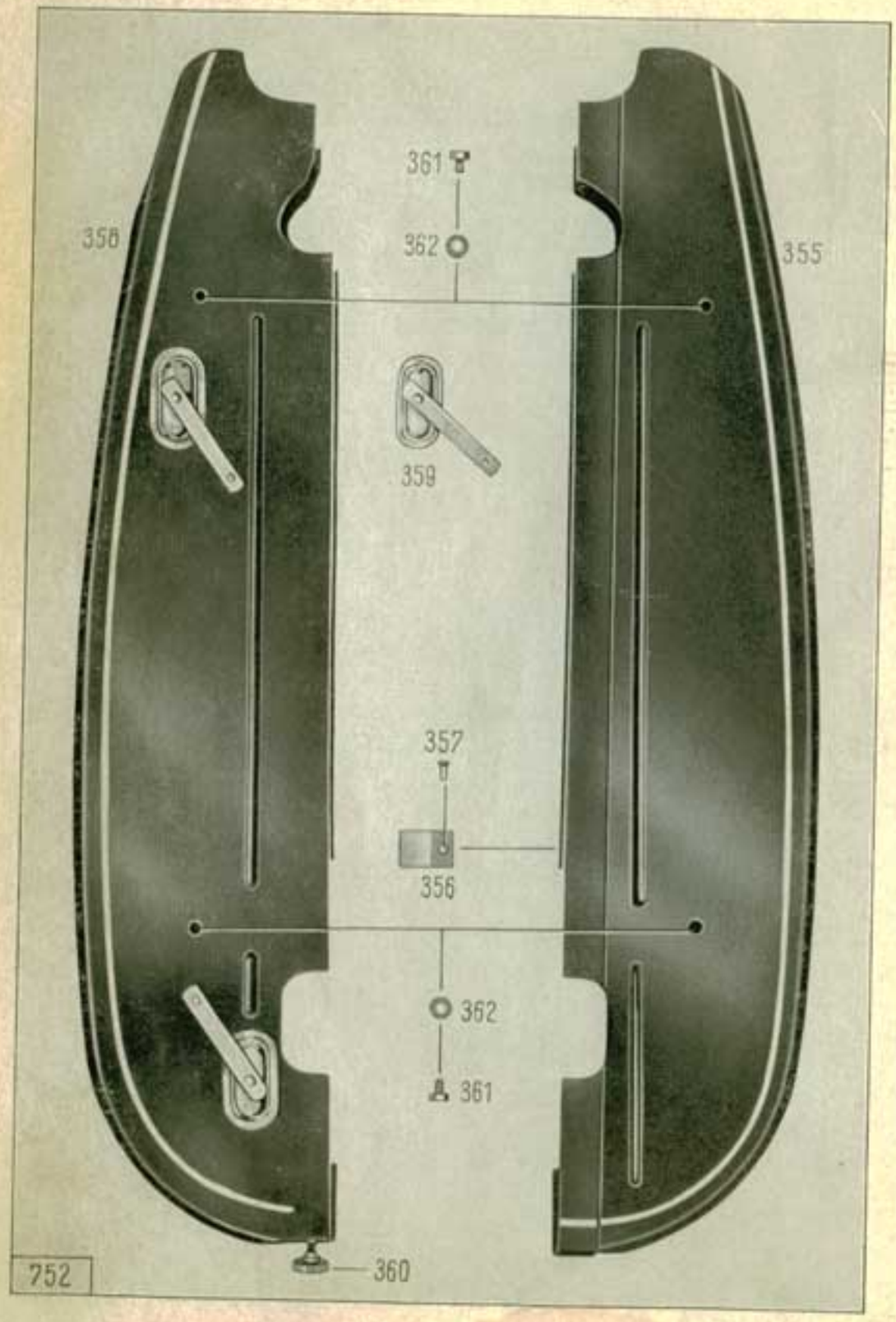
| Key No. | Spare Part No. | Description | No. of Pieces | Remarks |
|---|---|---|---|---|
| | | **Dual Seat** | | |
| 311 | 6330 k 50-0 | dual seat, complete | 1 | |
| — | 6347 z 3-0 | dual seat cover | 1 | |
| — | 1551 z 442-3 | square screw | 21 | |
| — | 1284 z 16-6 | fashioned washer | 21 | |
| — | 1011 z 207-3 | countersunk nut | 21 | |
| — | 6346 z 16 | foam rubber cushion | 1 | |
| — | 1141 z 2170-8 | supporting plate | 2 | |
| — | 321 z 550-8 | pressure spring | 4 | |
| — | 1113 z 4 | eyelet | 1 | |
| — | 2360 k 3-0 | holding strap | 1 | |
| — | 1143 z 105-0 | holding plate | 2 | |
| — | 1141 z 2143-0 | clamping plate | 2 | |
| — | — | hex screw M 6 × 15 DIN 933 crp | 2 | |
| — | — | spring washer A 6 DIN 137 k | 2 | |
| — | 946 z 7 | rubber band for buttons | 1 | |
| — | 943 z 26 | moulding, left front part | 1 | |
| — | 943 z 27 | moulding, right front part | 1 | |
| — | 943 z 28 | moulding, right front part | 1 | |
| — | 943 z 29 | moulding, rear part | 1 | |
| | | **Toolbox** | | |
| 312 | 6230 z 143-8 | toolbox | 1 | |
| 313 | 1251 k 265 | circlip | 1 | |
| 314 | — | circlip 10 × 1 DIN 471 | 1 | |
| 315 | 6040 z 275-3 | antitheft lock for toolbox | 1 | |
| — | 1396 z 254 | rubber band | 1 | |
| — | — | hollow rivet A 4 × 8 × 6 DIN 7331 | 5 | |
| 316 | — | hex screw M 8 × 15 DIN 933 k (to fasten toolbox to frame) | 3 | |
| 317 | 1301 z 035 | washer | 3 | |
| 318 | — | spring washer B 8 DIN 137 k | 3 | |
| 319 | 1390 z 118-0 | strap (with buckle) for toolbox | 1 | |








| Key No. | Spare Part No. | Description | No. of Pieces | Remarks |
|---|---|---|---|---|
| | | **Front Mudguard** | | |
| 331 | 6370 z 182-8 | front mudguard | 1 | |
| 332 | — | hex screw M 8 × 12 DIN 933 k (to fasten mudguard to front fork) | 4 | |
| 333 | — | spring washer A 8 DIN 127 k | 4 | |
| | | **Rear Mudguard** | | |
| 336 | 6370 z 185-8 | rear mudguard | 1 | |
| — | 616 z 238 | plug | 1 | |
| 337 | 1483 z 66-8 | manufacturer's plate | 1 | |
| 338 | — | screw, countersunk raised head, AM 3 × 6 DIN 91 crp | 2 | |
| — | — | spring washer A 3 DIN 137 k | 2 | |
| — | — | hex nut M 3 DIN 934 k | 2 | |
| 339 | 211 z 247-2 | yoke (to number plate) | 2 | |
| 340 | — | screw, button head, AM 5 × 12 DIN 86 k | 5 | |
| 341 | — | spring washer A 5 DIN 127 k | 5 | |
| 342 | — | hex nut M 5 DIN 934 k | 5 | |
| 343 | 131 z 545-3 | retaining bolt (to fix dual seat) | 2 | |
| 344 | — | spring washer B 8 DIN 137 k | 2 | |
| 345 | — | hex nut M 8 DIN 934 k | 2 | |
| — | — | hex screw M 8 × 15 DIN 933 k (to fasten mudguard to frame struts, front part) | 2 | |
| — | — | spring washer B 8 DIN 137 k | 2 | |
| — | — | hex nut M 8 DIN 934 k | 2 | |
| 346 | — | hex screw M 8 × 10 DIN 933 k (to fasten mudguard to frame struts, rear part) | 2 | |
| 347 | — | spring washer B 8 DIN 137 k | 2 | |
| 348 | — | hex screw M 8 × 15 DIN 933 k (to fasten mudguard to frame, lower part) | 1 | |
| 349 | — | spring washer B 8 DIN 137 k | 1 | |







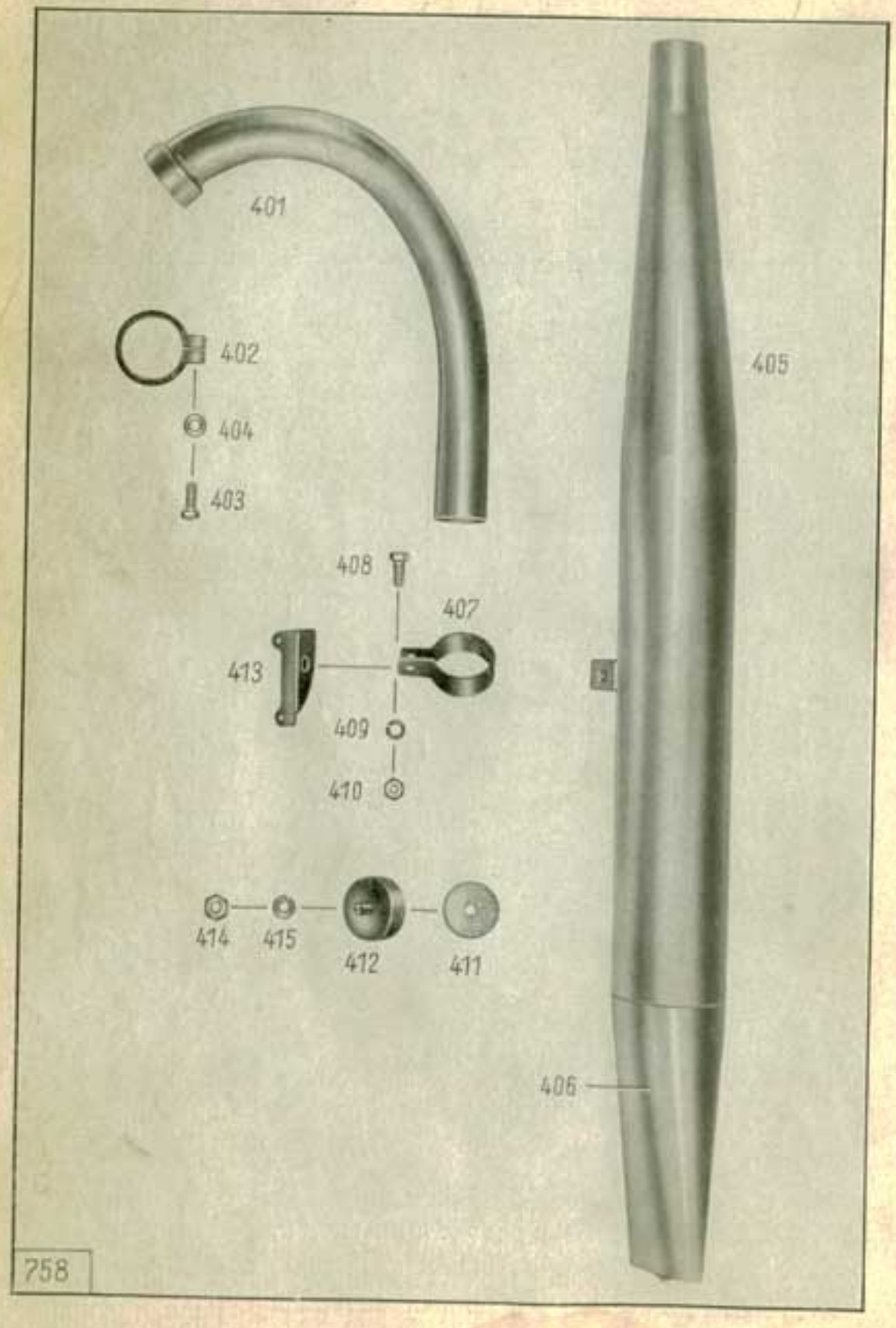

| Key No. | Spare Part No. | Description | No. of Pieces | Remarks |
|---|---|---|---|---|
| | | **Chaincase** | | |
| 355 | 1500 z 282-0 | chaincase, upper part | 1 | |
| 356 | 331 z 330-0 | laminated spring | 4 | |
| 357 | — | rivet, button head, 4 × 6 DIN 660 | 4 | |
| 358 | 1500 z 285-0 | chaincase, lower part | 1 | |
| 359 | 230 z 230-0 | cap | 2 | |
| — | 331 z 303 | laminated spring | 2 | |
| — | — | rivet, button head, 4 × 6 DIN 660 Alu (to fasten laminated spring to cap as well as to chaincase, lower part) | 4 | |
| — | — | spring washer B 5 DIN 137 k | 2 | |
| — | — | washer 4,3 DIN 125 k | 2 | |
| 360 | 1021 z 103 | knurled edge nut | 1 | |
| 361 | — | hex screw M 6 × 8 DIN 933 k (to fasten chaincase to swinging fork) | 4 | |
| 362 | — | spring washer B 6 DIN 137 k | 4 | |

## Illustration 17, Group R: f) Fuel Tank and Pipes

## Illustration 17, Group R: f) Fuel Tank and Pipes

| Key No. | Spare Part No. | Description | No. of Pieces | Remarks |
|---|---|---|---|---|
| | | **Fuel Tank** | | |
| 376 | 6230 z 145-9 | fuel tank | 1 | |
| 377 | 2210 z 30 | fuel sieve | 1 | |
| 378 | 1850 z 26 | filler cap | 1 | |
| 379 | 2456 k 4-0 | packing washer (to filler cap) | 1 | |
| 380 | 1483 z 64-3 | manufacturer's plate | 2 | |
| 381 | — | screw, countersunk raised head, AM 3 × 6 DIN 91 Alu elox. (for fixing the plates) | 4 | |
| 382 | 1141 z 2119-2 | bracket, left-hand | 1 | |
| — | 1141 z 2120-2 | bracket, right-hand | 1 | |
| — | — | screw, fillister head, AM 4 × 5 DIN 85 k (to fasten bracket to fuel tank) | 4 | |
| — | — | spring washer A 4 DIN 137 k | 4 | |
| 383 | 616 z 248-0 | knee pad, left-hand | 1 | |
| — | 616 z 249-0 | knee pad, right-hand | 1 | |
| 384 | 1146 z 54 | front rubber plate | 1 | |
| 385 | 1126 z 2 | support (mushroom-shaped) | 1 | |
| 386 | 1126 z 3 | support (mushroom-shaped) | 3 | |
| — | 1301 z 662 | compensating shim | as required | |
| 387 | 1146 z 55 | rear rubber plate | 1 | |
| 388 | 616 z 210 | rubber sleeve | 2 | |
| 389 | — | hose clip "Beru", WSN 5 | 1 | |
| 390 | — | hose band "Beru", 5 × 300 mm | 1 | |
| | | **Fuel Tap** | | |
| 391 | 6010 z 165-0 | fuel tap | 1 | |
| A | 2303 k 4-0 | toggle (to fuel tap) | 1 | |
| B | — | cylindrical screw M 5 × 40 DIN 84 (to toggle) | 1 | |
| 392 | — | packing washer A 10 × 14 DIN 7603 | 1 | |
| 393 | 1001 z 55 | nut | 1 | |
| | | **Fuel Pipes** | | |
| 394 | — | fuel hose A 5 × 9 × 90 DIN 73 379 | 1 | |

## Illustration 18, Group R: h) Exhaust Set






## Illustration 18, Group R: h) Exhaust Set

| Key No. | Spare Part No. | Description | No. of Pieces | Remarks |
|---|---|---|---|---|
| | | **Exhaust Set** | | |
| 401 | 1351 z 208-4 | exhaust pipe | 1 | |
| 402 | 1241 z 367-2 | clamping ring (to fasten exhaust pipe to cylinder) | 1 | |
| 403 | — | hex screw M 8 × 25 DIN 931 k | 1 | |
| 404 | — | spring washer A 8 DIN 137 | 1 | |
| 405 | 6030 z 330-4 | silencer | 1 | |
| 406 | 2271 k 24-4 | silencer-end piece | 1 | |
| 413 | 1140 z 1266-8 | bracket (to silencer) | 1 | |
| 407 | 1441 z 320-0 | clamp (to fasten silencer to exhaust pipe) | 1 | |
| 408 | — | hex screw M 8 × 22 DIN 933 k (to clamp) | 1 | |
| 409 | — | spring washer A 8 DIN 127 k | 1 | |
| 410 | — | hex nut M 8 DIN 934 (to clamp) | 1 | |
| 411 | 1289 z 102 | insulating washer | 1 | |
| 412 | 600 z 1-0 | damper ( against metal vibration) | 1 | |
| 414 | — | hex nut M 10 DIN 934 k (to fasten silencer to strut tube) | 1 | |
| 415 | — | spring washer A 10 DIN 127 k | 1 | |

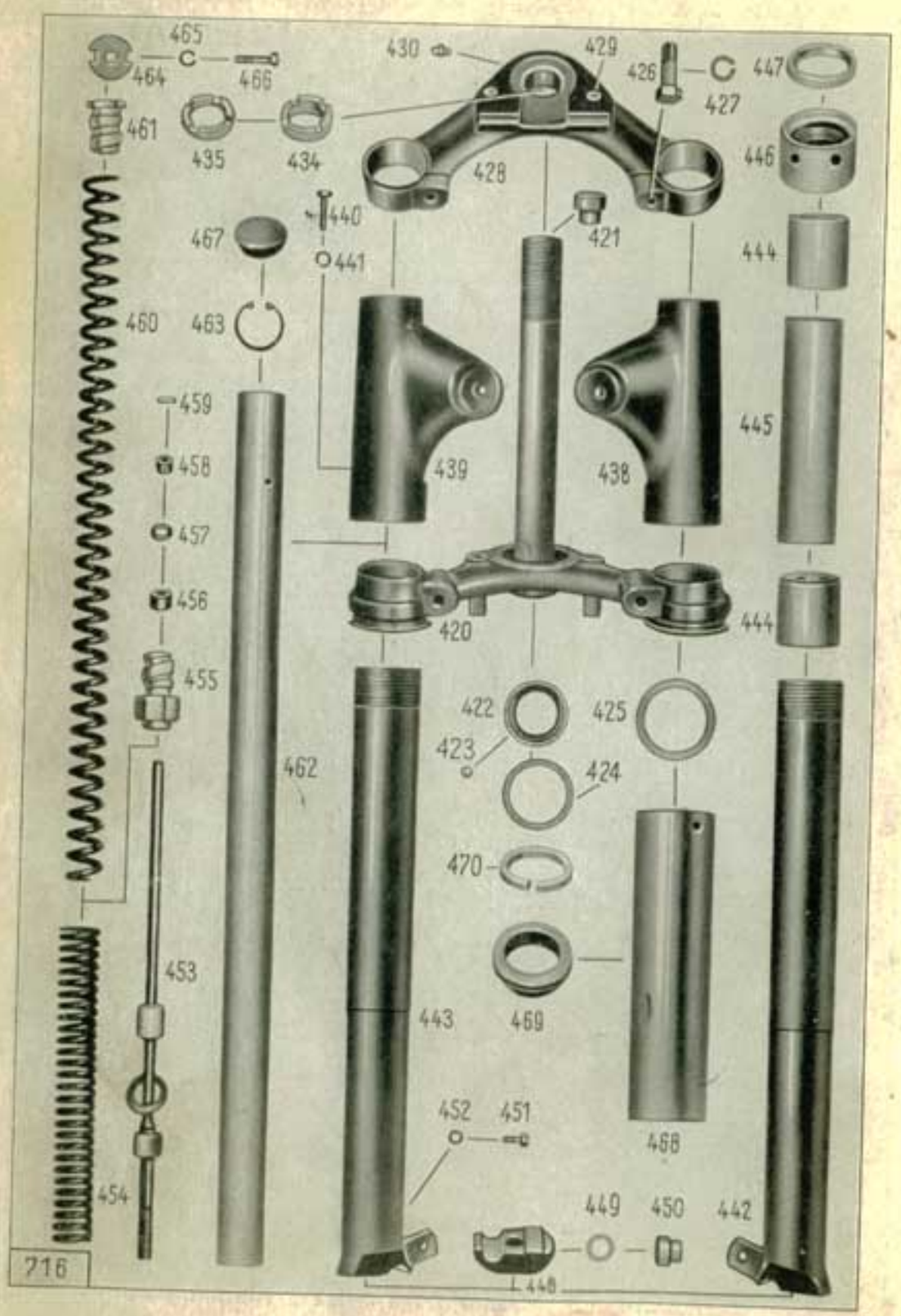





Illustration 19, Group R: i) Front Fork, Assembly, Front Fork Suspension

| Key No. | Spare Part No. | Description | No. of Pieces | Remarks |
|---|---|---|---|---|
| | | **Front Fork** | | |
| — | 6810 z 20-0 | front fork with steering damper .. | 1 | |
| | | **Front Fork Suspension** | | |
| 420 | 1210 z 153-8 | fork connecting member, lower (with fork shank) ..... | 1 | |
| — | 121 z 457 | guide bolt ..... | 2 | |
| 421 | 616 z 262-0 | rubber sleeve (to steering damper) ..... | 1 | |
| 422 | 1871 z 156 | fork race ..... | 1 | |
| 423 | — | ball 6 mm III DIN 5401 ..... | 18 | |
| 424 | 1236 z 4 | felt washer ..... | 1 | |
| 425 | 1236 z 209 | rubber ring (to lower fork connecting member) ..... | 2 | |
| 426 | — | hex screw M 10 × 30 DIN 931 k (to fasten fork tubes in fork connecting member) ..... | 2 | |
| 427 | — | spring washer A 10 DIN 127 k ..... | 2 | |
| 428 | 1201 z 314-8 | fork connecting member, upper .. | 1 | |
| 430 | 1080 z 1 | grease nipple (in upper fork connecting member) ..... | 1 | |
| 422 | 1871 z 156 | fork race ..... | 1 | |
| 423 | — | ball 6 mm III DIN 5401 ..... | 18 | |
| 424 | 1236 z 4 | felt washer ..... | 1 | |
| 434 | 1011 z 204-3 | slot nut, tapered (to fasten fork connecting members to frame).. | 1 | |
| 435 | 1011 z 89 | slot nut ..... | 1 | |
| 426 | — | hex screw M 10 × 30 DIN 931 k (to fasten fork tubes in fork connecting member) ..... | 2 | |
| 427 | — | spring washer A 10 DIN 127 k ..... | 2 | |
| 438 | 630 z 476-8 | headlight carrier, left-hand ..... | 1 | |
| 439 | 630 z 477-8 | headlight carrier, right-hand ..... | 1 | |
| 440 | — | hex screw M 6 × 20 DIN 931 a (to fasten headlight carrier to fork connecting member) ..... | 2 | |
| 441 | — | spring washer A 6 DIN 127 k ..... | 2 | |

## Illustration 19, Group R: i) Front Fork, Fork Legs

| Key No. | Spare Part No. | Description | No. of Pieces | Remarks |
|---|---|---|---|---|
| | | **Fork Legs** | | |
| 442 | 200 z 103-8 | fork guide tube, left-hand ..... | 1 | |
| 443 | 200 z 104-8 | fork guide tube, right-hand .... | 1 | |
| 444 | 180 z 16 | sliding bushing (to fork guide tubes) ..... | 4 | |
| 445 | 1333 z 59-0 | spacer tube (to fork guide tubes) | 2 | |
| 446 | 171 z 158 | threaded bushing (on fork guide tubes) ..... | 2 | |
| 447 | 6860 z 81 | packing ring (in threaded bushing) | 2 | |
| 448 | 200 z 105-8 | shoe (to fasten front wheel axle) | 2 | |
| 449 | — | spring washer B 10 DIN 137 k ..... | 4 | |
| 450 | 1001 z 118 | collar nut (to hex screw) ..... | 2 | |
| 451 | — | hex screw M 6 × 12 DIN 933 k (oil draining screw) ..... | 2 | |
| 452 | — | packing washer A 6 × 10 DIN 7603 Alu ..... | 2 | |
| 453 | 1650 k 119-0 | guide rod ..... | 2 | |
| 454 | 321 z 271 | pressure spring, short ..... | 2 | |
| — | 1301 z 1051-2 | washer ..... | 2 | |
| 455 | 633 z 7 | spring carrier (to guide rod) ..... | 2 | |
| 456 | 1236 z 208 | rubber ring (to guide rod) ..... | 2 | |
| 457 | — | washer 8,4 DIN 433 ..... | 2 | |
| 458 | 1231 z 201 | fixing ring (to guide rod) ..... | 2 | |
| 459 | — | pin 3 × 12 DIN 1473 (to fixing ring) | 2 | |
| 460 | 321 z 272 | pressure spring, long ..... | 2 | |
| 461 | 633 z 6 | spring carrier (to long pressure spring) ..... | 2 | |



## Illustration 19, Group R: i) Front Fork, Fork Legs

| Key No. | Spare Part No. | Description | No. of Pieces | Remarks |
|---|---|---|---|---|
| 462 | 1331 z 832-4 | fork tube ..... | 2 | |
| 463 | — | circlip 30 × 1,2 DIN 472 (in fork tube) ..... | 2 | |
| 464 | 1301 z 361 | washer (to spring carrier) ..... | 2 | |
| 465 | — | spring washer A 6 DIN 127 k ..... | 2 | |
| 466 | — | cylindrical screw M 6 × 25 DIN 84 (to fasten spring carrier in fork tube) ..... | 2 | |
| 467 | 616 z 78 | plug (to fork tube) ..... | 2 | |
| 468 | 1331 z 717 | protective sleeve (to lower fork connecting member) ..... | 2 | |
| 469 | 1236 z 210 | rubber ring (in protective sleeve) | 2 | |
| — | 1396 z 242-0 | profile rubber ..... | 2 | |

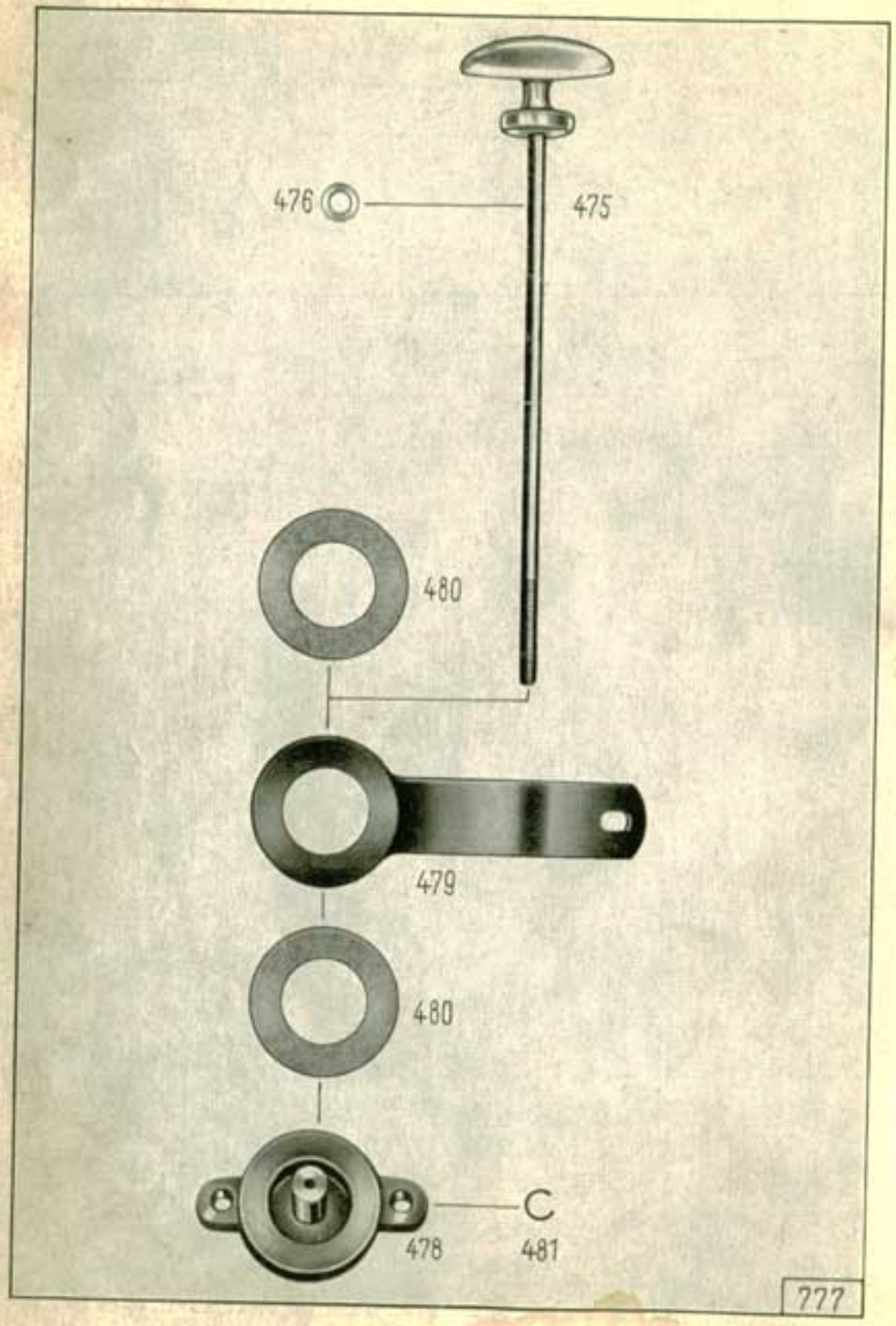
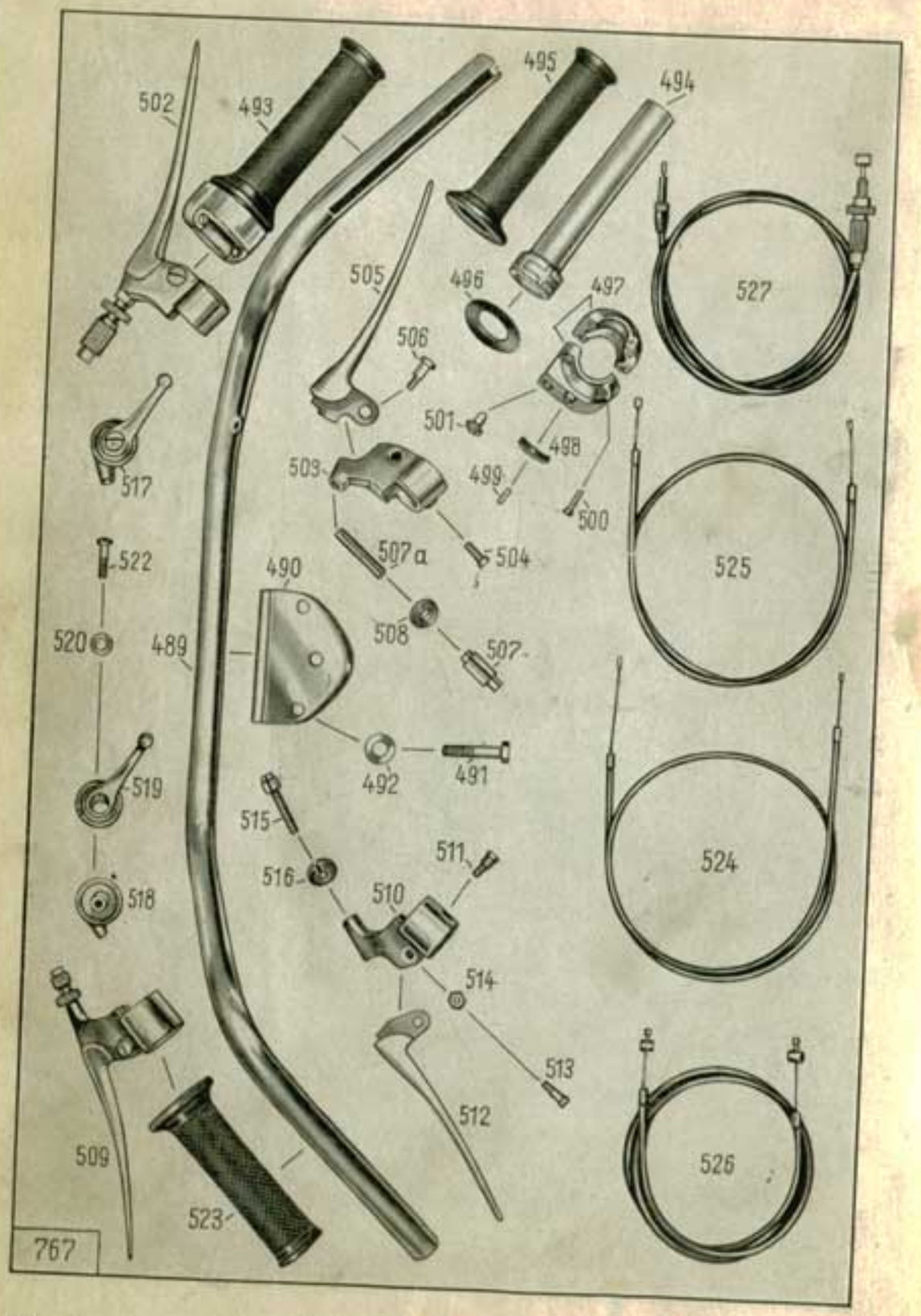





Illustration 20, Group R: i) Front Fork, Steering Damper

| Key No. | Spare Part No. | Description | No. of Pieces | Remarks |
|---|---|---|---|---|
| | | **Steering Damper** | | |
| 475 | 590 z 108-0 | handle with bolt ..... | 1 | |
| 476 | — | spring washer A 8 DIN 137 k ..... | 4 | |
| 478 | 631 z 242 | spanner piece ..... | 1 | |
| 479 | 631 z 606-2 | spanner plate ..... | 1 | |
| 480 | 1289 z 15 | damper washer ..... | 2 | |
| 481 | — | snap ring 10 DIN 9045 (on guide bolt) ..... | 2 | |

## Illustration 21, Group R: k) Handlebar and Handlevers with Cables



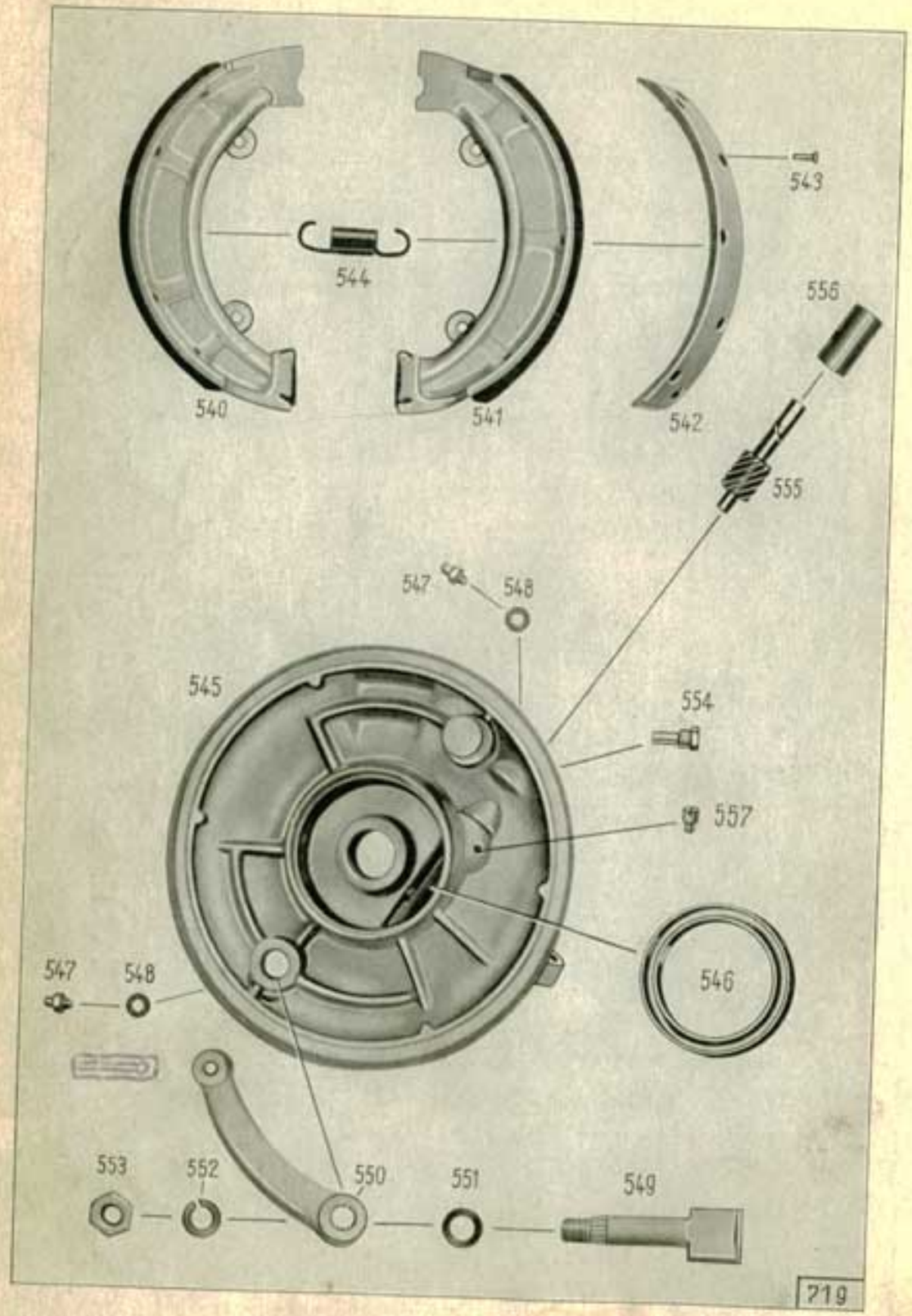



## Illustration 21, Group R: k) Handlebar and Handlevers with Cables

| Key No. | Spare Part No. | Description | No. of Pieces | Remarks |
|---|---|---|---|---|
| | | **Handlebar** | | |
| 489 | 1370 z 253-4 | handlebar | 1 | |
| 490 | 783 z 20 | spanner cap | 1 | |
| 491 | — | hex screw M 8 × 40 DIN 931 crp | 2 | |
| 492 | — | spring washer A 8 DIN 137 k | 4 | |
| | | **Handlevers** | | |
| 493 | 170 z 217 | throttle twist grip | 1 | colour of rubber = black |
| 494 | 2250 k 6-0 | grip tube with segment ring | 1 | |
| 495 | 2256 k 6-0 | rubber sleeve | 1 | colour of rubber = black |
| 496 | 2251 k 10-0 | washer | 1 | |
| 497 | 2250 k 8-0 | housing (upper and lower part) | 1 | |
| 498 | 2251 k 13-0 | brake spring | 1 | |
| 499 | 2251 k 14-0 | adjusting screw | 1 | |
| 500 | 2251 k 12-3 | screw, fillister head | 2 | |
| 501 | 2251 k 15-0 | cable support | 1 | |
| 502 | 670 z 210 | brake lever with cable adjustment | 1 | |
| 503 | 2263 k 22-0 | joining piece | 1 | |
| 504 | 2261 k 4-3 | screw, fillister head | 1 | |
| 505 | 2263 k 23-0 | brake lever | 1 | |
| 506 | 2261 k 5-4 | lever screw | 1 | |
| — | — | hex nut M 6 DIN 934 crp | 1 | |
| 507 | 2263 k 24-0 | adjusting nut | 1 | |
| 507a | 2261 k 24-0 | threaded bolt | 1 | |
| 508 | 2263 k 25-0 | knurled edge nut | 1 | |
| — | 2261 k 25-3 | hex nut | 1 | |
| 509 | 670 z 213 | clutch lever with cable adjustment | 1 | |
| 510 | 2263 k 1-0 | joining piece | 1 | |
| 511 | 2261 k 4-3 | screw, fillister head (to joining piece) | 1 | |
| 512 | 2263 k 8-0 | clutch lever | 1 | |
| 513 | 2261 k 7-3 | lever screw | 1 | |
| 514 | — | hex nut M 5 DIN 934 crp | 1 | |
| 515 | 2261 k 6-5 | adjusting screw | 1 | |
| 516 | 2263 k 7-0 | knurled edge nut | 1 | |
| 517 | 670 z 226-0 | air lever | 1 | |

## Illustration 21, Group R: k) Handlebar and Handlevers with Cables

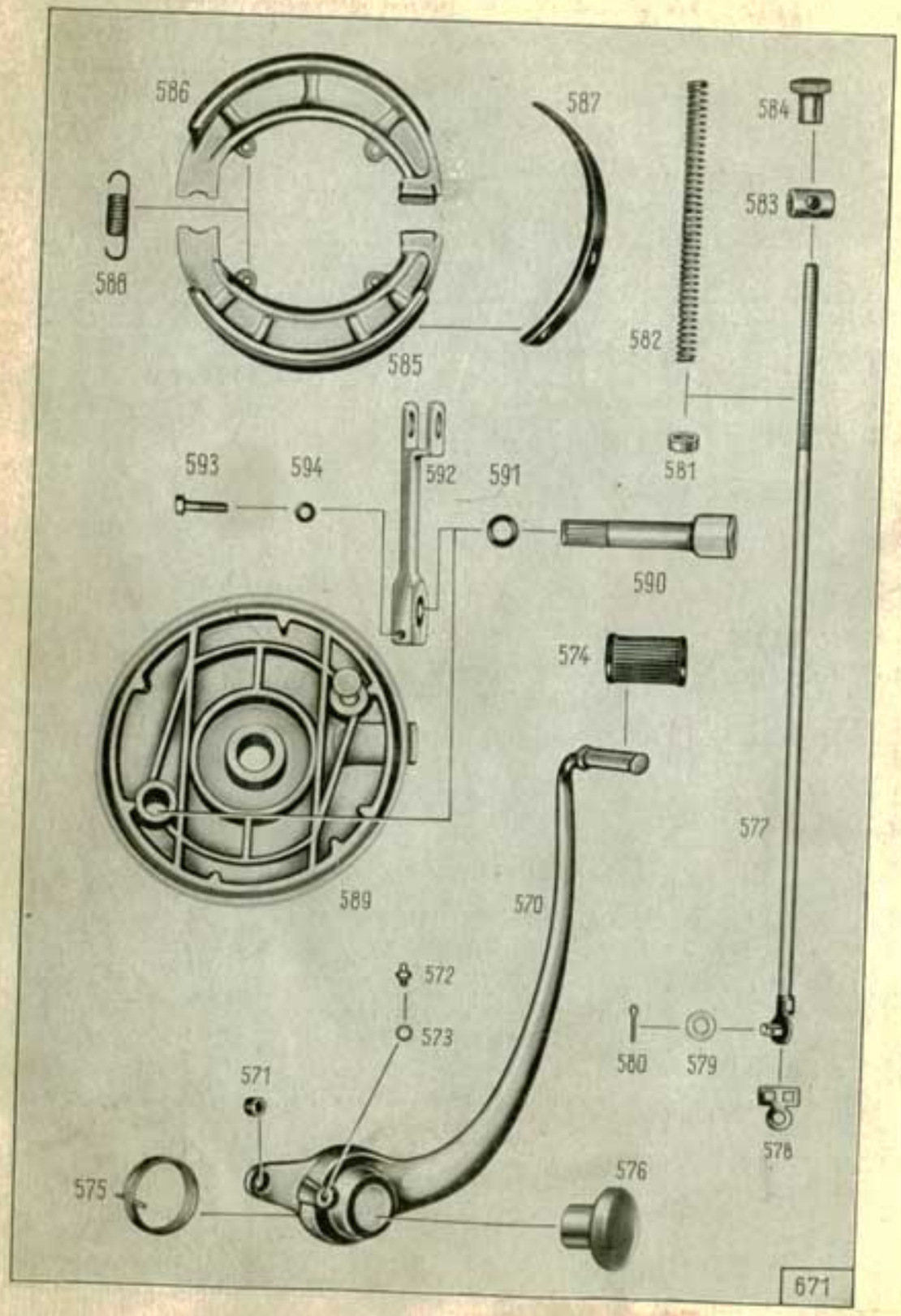
| Key No. | Spare Part No. | Description | No. of Pieces | Remarks |
|---|---|---|---|---|
| 518 | 2263 k 29-0 | housing | 1 | |
| 519 | 2263 k 28-4 | air lever | 1 | |
| 520 | 2263 k 27-0 | washer | 1 | |
| — | 2261 k 23-0 | pressure spring | 1 | |
| 522 | 2261 k 21-4 | screw, fillister head | 1 | |
| 523 | 616 z 232 | grip | 1 | colour of rubber — black |
| | | **Cables** | | |
| 524 | 6290 k 446-0 | cable for carburettor | 1 | |
| — | — | nipple C DIN 71 988 | 2 | |
| — | — | sleeve C 2,5 DIN 71 987 | 2 | |
| — | 144 k 28-0 | nipple | 1 | |
| 525 | 6290 z 448-0 | cable for air lever | 1 | |
| — | — | nipple C DIN 71 988 | 2 | |
| — | — | sleeve C 2,5 DIN 71 987 | 2 | |
| 526 | 6290 z 447-0 | cable for clutch | 1 | |
| — | — | nipple seat A DIN 71 988 | 2 | |
| — | — | nipple B 2,3 DIN 71 988 | 2 | |
| — | — | sleeve C 3 DIN 71 987 | 2 | |
| — | 1063 z 7-0 | nipple | 1 | |
| 527 | 6290 k 449-0 | cable for front brake | 1 | |
| — | 144 z 04 | cable end | 1 | |
| — | — | nipple seat A DIN 71 988 | 1 | |
| — | — | nipple B 2,3 DIN 71 988 | 1 | |
| — | — | sleeve C 3 DIN 71 987 | 2 | |
| — | 551 z 108 | yoke | 1 | |
| — | 131 z 516 | bolt (to yoke) | 1 | |
| — | — | split pin 1,5 × 15 DIN 94 | 1 | |
| — | 1391 z 168 | cable band (to fasten front brake cable to speedometer cable) | 2 | |








| Key No. | Spare Part No. | Description | No. of Pieces | Remarks |
|---|---|---|---|---|
| | | **Handbrake** | | |
| 540 | 20 k 102 | brake shoe with lining, left-hand .. | 1 | |
| 541 | 20 k 103 | brake shoe with lining, right-hand . | 1 | |
| 542 | 49 k 103 | brake lining ..... | 2 | |
| 543 | 1044 z 11 | cylindrical rivet ..... | 14 | |
| 544 | 321 z 310 | return spring (between brake shoes) ..... | 2 | |
| 545 | 230 z 228-0 | brake cover ..... | 1 | |
| 546 | — | radial gasket (oil seal) A 50 × 65 DIN 6503 ..... | 1 | |
| 547 | 1080 z 1 | grease nipple ..... | 2 | |
| 548 | — | packing washer A 6 × 10 DIN 7603 Alu ..... | 2 | |
| 549 | 1100 z 8 | brake cam ..... | 1 | |
| 550 | 671 z 324 | brake lever ..... | 1 | |
| 551 | 1236 z 06 | rubber sleeve (between brake lever and brake cover) ..... | 1 | |
| 552 | — | spring washer A 10 DIN 127 k ..... | 1 | |
| 553 | — | hex nut M 10 DIN 934 k ..... | 1 | |
| 554 | 1551 z 17 | hex screw (to fasten drive cable to brake cover) ..... | 1 | |
| — | — | washer 8,4 DIN 433 k ..... | 1 | |
| 555 | 2121 z 6 | screw pinion ..... | 1 | |
| 556 | 182 z 301-0 | bushing (to screw pinion) ..... | 1 | |
| 557 | — | threaded pin M 6 × 4 × 2,5 DIN 926 (to fasten bushing) ..... | 1 | |
| 558 | 551 z 108 | BRAKE CABLE END | 1 | |



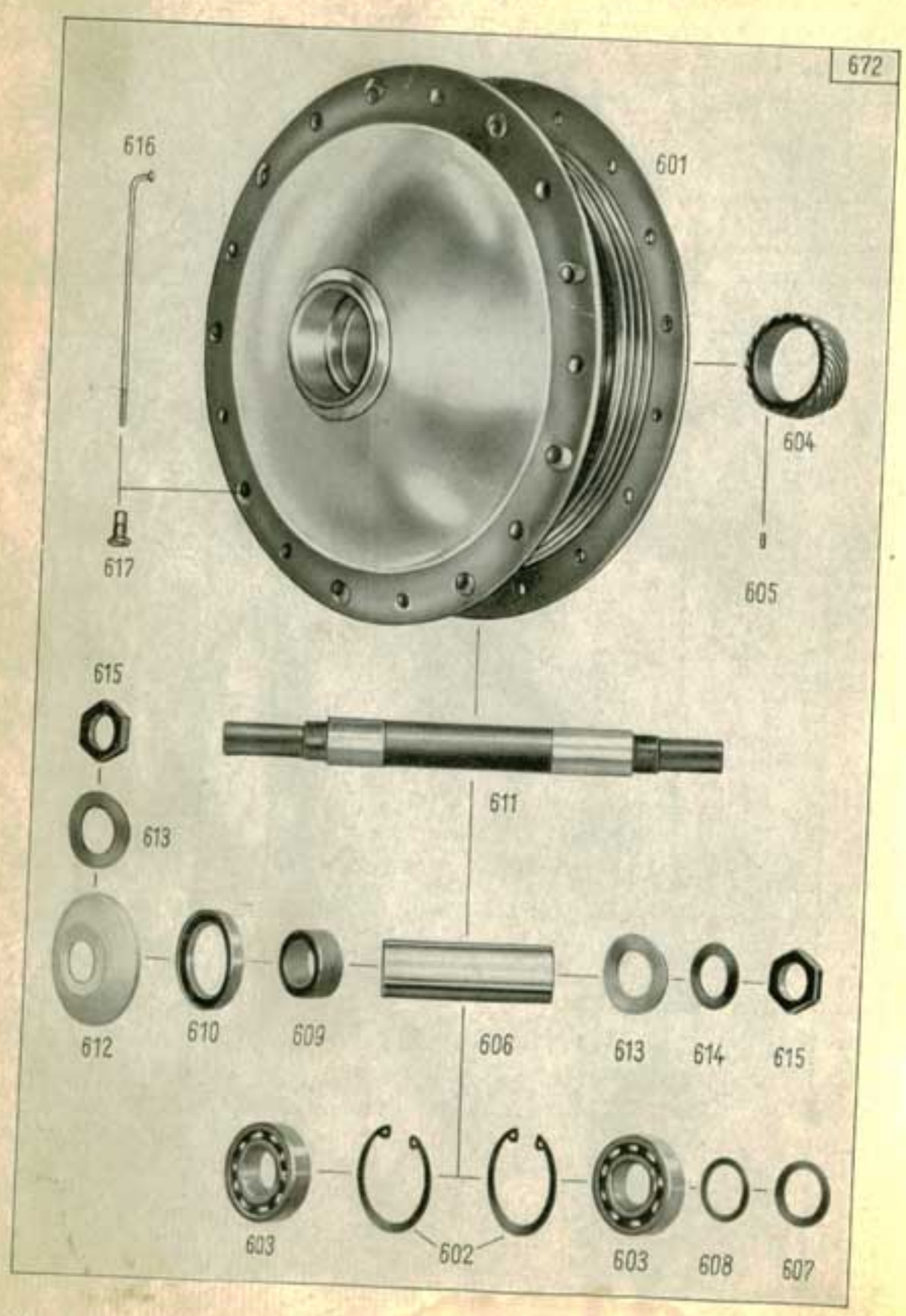





| Key No. | Spare Part No. | Description | No. of Pieces | Remarks |
|---|---|---|---|---|
| | | **Footbrake** | | |
| 570 | 700 z 123-0 | footbrake lever | 1 | |
| 571 | 181 z 361 | bushing (in footbrake lever) | 1 | |
| 572 | 1080 z 1 | grease nipple | 1 | |
| 573 | — | packing washer A 6 × 10 DIN 7603 | 1 | |
| 574 | — | rubber sleeve B DIN 73 483 | 1 | |
| 575 | 321 z 532 | return spring | 1 | |
| 576 | — | lock screw M 20 × 1,5 DIN 908 k | 1 | |
| — | 1301 z 1008-3 | spacer washer | 1 | |
| 577 | 1650 k 120-0 | footbrake rod with stop clamp | 1 | |
| 578 | 1441 z 308-2 | stop clamp | 1 | |
| 579 | — | washer 7,4 DIN 125 k | 1 | |
| 580 | — | split pin 2 × 15 DIN 94 k | 1 | |
| 581 | 1241 z 358-3 | ring | 1 | |
| 582 | 321 z 512-3 | spiral spring | 1 | |
| 583 | 121 z 1117-3 | brake lever pin | 1 | |
| 584 | 1023 z 102-0 | knurled edge nut (to fasten brake rod to rear brake lever) | 1 | |
| 585 | 20 k 102 | brake shoe with lining, left-hand | 1 | |
| 586 | 20 k 103 | brake shoe with lining, right-hand | 1 | |
| 587 | 49 k 103 | brake lining | 2 | |
| — | 1044 z 11 | cylindrical rivet | 14 | |
| 588 | 321 z 310 | return spring (between brake shoes) | 2 | |
| 589 | 230 z 243-0 | brake cover | 1 | |

## Illustration 23, Group B: a) Brakes, Footbrake

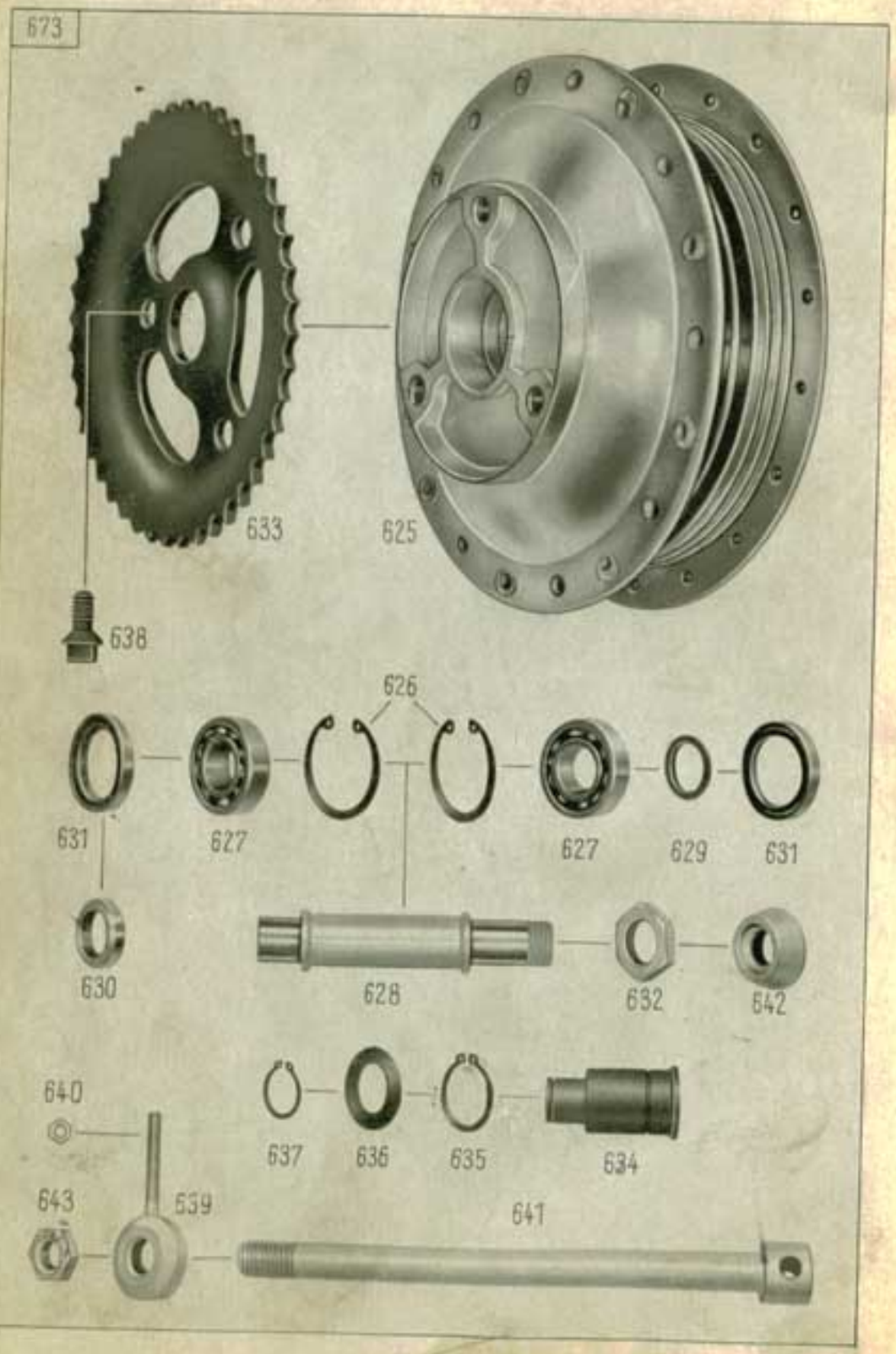
| Key No. | Spare Part No. | Description | No. of Pieces | Remarks |
|---|---|---|---|---|
| — | — | hex screw M 6 × 55 DIN 933 k (for chain tightening in brake cover, right-hand side) ..... | 1 | |
| — | — | hex nut M 6 DIN 934 k ..... | 1 | |
| — | 1080 z 1 | grease nipple ..... | 1 | |
| 590 | 1100 z 105 | brake cam ..... | 1 | |
| 591 | 1236 z 06 | rubber sleeve (on brake cam) .... | 1 | |
| 592 | 671 z 337-3 | brake lever ..... | 1 | |
| 593 | — | hex screw M 6 × 20 DIN 931 k (to fasten brake lever to brake cam) ..... | 1 | |
| 594 | — | spring washer A 6 DIN 127 k ..... | 1 | |








| Key No. | Spare Part No. | Description | No. of Pieces | Remarks |
|---|---|---|---|---|
| | | **Front Wheel** | | |
| — | 6660 k 220-0 | front wheel without tyre | 1 | |
| — | 6620 z 206-0 | front wheel hub | 1 | |
| 601 | 483 z 312-0 | hub shell | 1 | |
| 602 | — | circlip 42 × 1,75 DIN 472 | 2 | |
| 603 | — | ball bearing 6004 DIN 625 | 2 | |
| 604 | 2121 z 73-0 | screw gear | 1 | |
| 605 | — | pin 3 × 6 DIN 1473 (to fasten screw gear in hub shell) | 1 | |
| 606 | 1331 z 826-0 | distance tube | 1 | |
| 607 | 1301 z 1021-0 | distance washer (side of brake cover) | 1 | |
| 608 | 1301 z 181 | compensating shim, thickness 0,8 mm (between distance washer and front brake cover) | as required | |
| 609 | 181 z 334-6 | distance bushing | 1 | |
| 610 | — | radial gasket (oil seal) A 30 × 42 DIN 6503 | 1 | |
| 611 | 121 z 1089-2 | front wheel axle | 1 | |
| 612 | 781 z 415-2 | covering washer (left-hand side) | 1 | |
| 613 | — | spring washer B 18 DIN 137 k | 2 | |
| 614 | 1301 z 376 | shim | as required | |
| — | 1301 z 377 | shim (betw. spring washer and distance nut, right-hand side) | as required | |
| 615 | 1001 z 67 | distance nut | 2 | |
| — | 361 z 107-4 | rim | 1 | |
| 616 | 401 z 205-3 | spoke 4 × 130,5 mm | 36 | |
| 617 | 411 z 101-3 | nipple | 36 | |





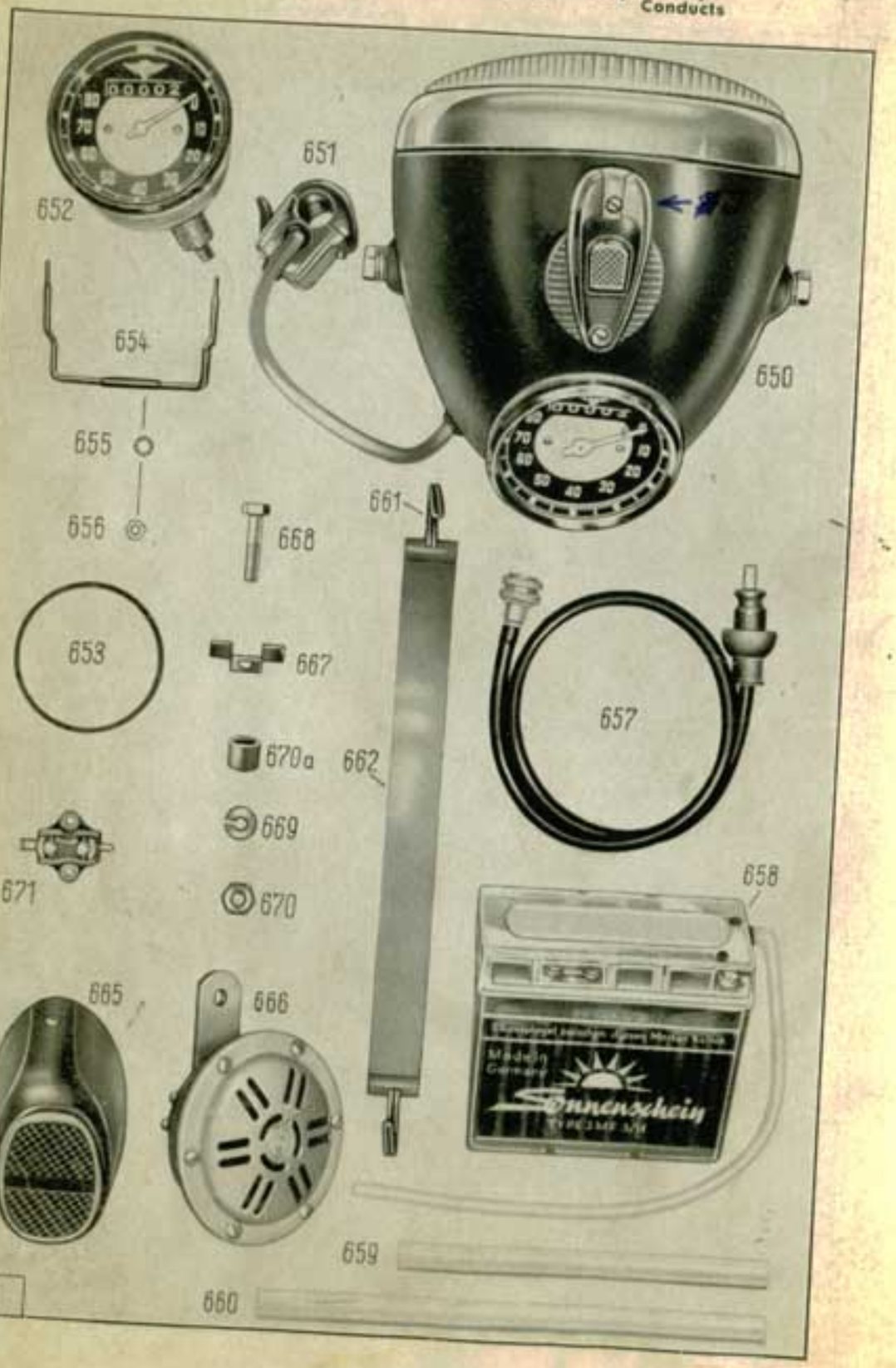



| Key No. | Spare Part No. | Description | No. of Pieces | Remarks |
|---|---|---|---|---|
| | | **Rear Wheel** | | |
| — | 6660 k 227-0 | rear wheel without tyre | 1 | |
| — | 6620 k 221-0 | rear wheel hub | 1 | |
| 625 | 483 z 325-0 | hub shell | 1 | |
| — | 181 z 364-3 | bushing | 36 | |
| 626 | — | circlip 42 × 1,75 DIN 472 | 2 | |
| 627 | — | ball bearing 6004 DIN 625 | 2 | |
| 628 | 121 z 1090-6 | axle tube | 1 | |
| 629 | 1301 z 1008-0 | distance washer (side of brake cover) | 1 | |
| 630 | 181 z 333-0 | distance bushing (side of toothed wheel rim) | 1 | |
| 631 | — | radial gasket (oil seal) A 30 × 42 × 7 DIN 6503 | 2 | |
| 632 | 1001 z 215 | hex nut (to fasten brake cover to hub shell) | 1 | |
| — | 361 z 107-4 | rim | 1 | |
| — | 401 z 205-3 | spoke 4 × 130,5 mm | 36 | |
| — | 411 z 101-3 | nipple | 36 | |
| 633 | 2071 z 216-2 | toothed wheel rim, 44 teeth | 1 | for solowork |
| 634 | 181 z 335-2 | retaining bushing | 1 | |
| 635 | — | circlip 28 × 1,5 DIN 471 | 1 | |
| 636 | 1301 z 672 | washer | 1 | |
| — | 1281 z 32 | washer | 1 | |
| 637 | — | circlip 20 × 1,2 DIN 471 | 1 | |
| 638 | 1551 z 429 | square screw (to fasten toothed wheel rim to rear wheel) | 3 | |
| 639 | 1110 k 201 | chain tightener, left-hand | 1 | |
| 640 | — | hex nut M 6 DIN 934 k | 2 | |
| 641 | 131 z 533-3 | rear wheel axle | 1 | |
| 642 | 1241 z 352-3 | distance ring | 1 | |
| — | — | washer 15 DIN 125 k | 1 | |

## Illustration 25, Group B: b) Wheels, Rear Wheel

| Key No. | Spare Part No. | Description | No. of Pieces | Remarks |
|---|---|---|---|---|
| 643 | — | hex nut M 14 × 1,5 DIN 936 k (to rear wheel axle) ..... | 1 | |
| — | — | roller chain 116 links incl. lock 1 × 12,7 × 7,75 DIN 8180 ..... | 1 | |
| — | — | cranked double link 1 D 12,7 × 7,75 DIN 8180 ..... | 1 | |
| — | — | lock 1 E 12,7 × 7,75 DIN 8180 ..... | 1 | |

## Illustration 26, Group E: Electrical Equipment, Headlight Battery Conducts






## Illustration 26, Group E: a) Electrical Equipment, Headlight Battery Conducts

| Key No. | Spare Part No. | Description | No. of Pieces | Remarks |
|---|---|---|---|---|
| | | **Headlight** | | |
| 650 | 6090 z 112-8 | headlight complete with dip switch, ignition key, without bulbs, speedometer, and conducts | 1 | |
| A | 2310 k 32-8 | headlight housing | 1 | |
| B | 2316 k 3-0 | plug (for speedometer cable passage which is, however, not used) | 1 | |
| C | 2310 k 14-0 | reflector | 1 | |
| D | 2311 k 30-4 | lock rim with screw | 1 | |
| E | 2317 k 3-0 | headlight glass | 1 | |
| F | 2316 k 4-0 | sealing rim (to headlight glass) | 1 | |
| G | 2311 k 39-3 | retaining spring (to headlight glass) | 6 | |
| H | 2310 k 53-0 | ignition-light switch | 1 | |
| I | 2310 k 55-0 | retaining clip (to ignition-light switch) | 1 | |
| J | 2340 k 5-0 | ignition-light switch cover | 1 | |
| K | 2311 k 37-4 | distance screw, short | 1 | |
| L | 2311 k 38-4 | distance screw, long | 1 | |
| M | 2310 k 33-0 | ignition key | 1 | |
| N | — | rubber grommet A DIN 72 613 (for conduct passage) | 2 | |
| O | 2310 k 18-5 | holder (to Bilux bulb) | 1 | |
| P | 2311 k 23-3 | return spring (to holder) | 1 | |
| 651 | 6160 z 166 | dip switch (on handlebar) | 1 | |
| — | 2340 k 4-0 | set of cables — 4 lines (from dip switch to headlight) | 1 | |
| — | 2346 k 1-0 | rubber grommet (to set of cables) | 1 | |
| — | — | Bilux bulb B 6 V 35/35 W DIN 72 601 | 1 | Osram 7324 |
| — | — | parking light bulb H 6 V 2 W DIN 72 601 | 1 | Osram 3895 |
| — | — | charge control bulb J 6 V 1,2 W DIN 72 601 | 1 | Osram 3799 |
| — | — | hex screw M 8 × 22 DIN 931 k (to fasten headlight to headlight carrier) | 2 | |
| — | — | spring washer A 8 DIN 127 k | 2 | |

## Illustration 26, Group E: a) Electrical Equipment, Headlight Battery Taillight

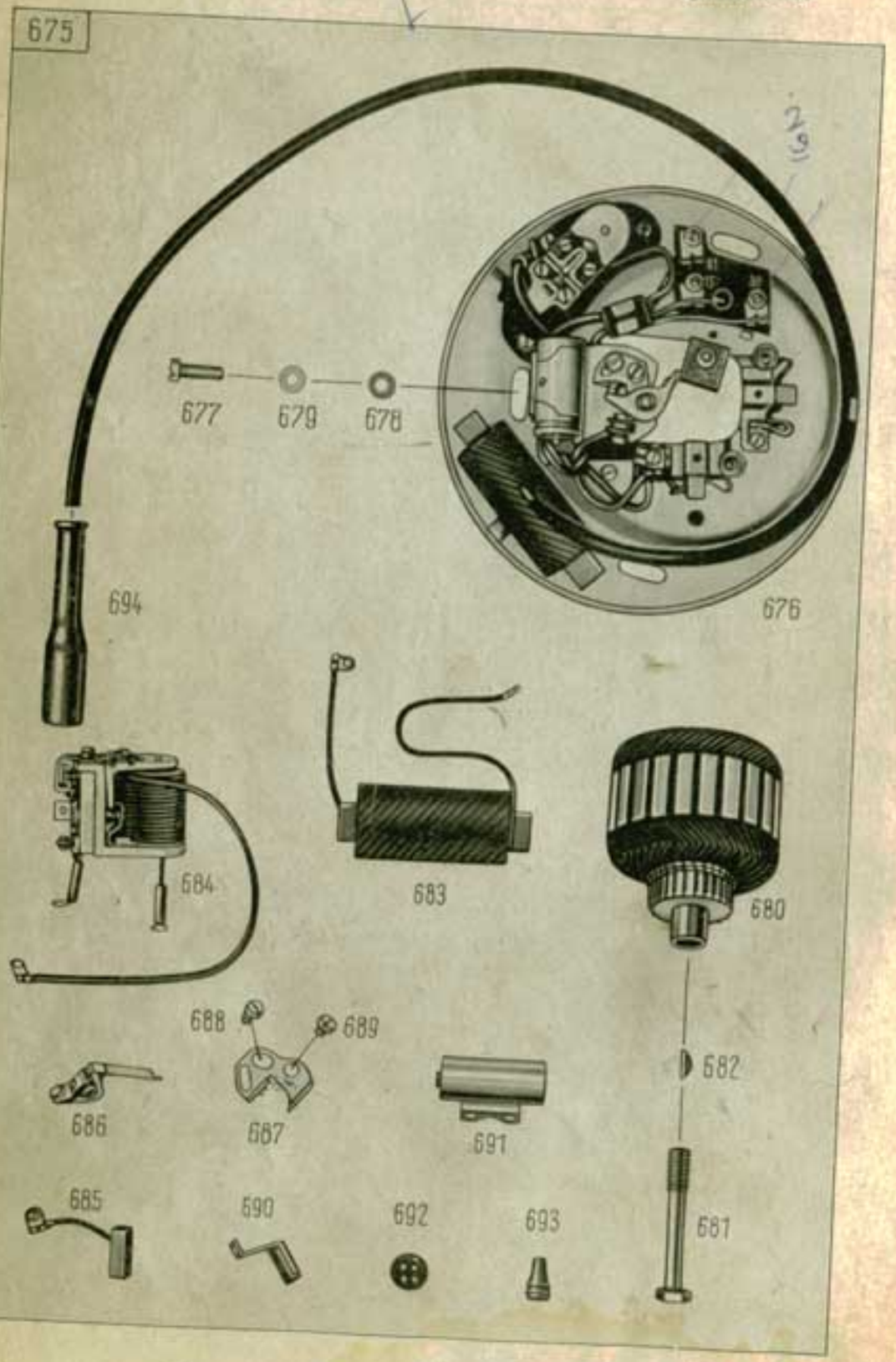
| Key No. | Spare Part No. | Description | No. of Pieces | Remarks |
|---|---|---|---|---|
| | | **Speedometer** | | |
| 652 | 6770 z 70-4 | speedometer (make VDO) indicating miles | 1 | |
| 653 | 2426 k 1-0 | rubber ring | 1 | |
| — | 2424 k 1-0 | bulb holder | 1 | |
| — | — | bulb J 6 V 1,2 W DIN 72 601 | 1 | Osram 3799 |
| 654 | 2421 k 3-2 | retaining clip | 1 | |
| 655 | — | shake-proof (toothed) washer A 5,3 DIN 6797 | 2 | |
| 656 | — | hex nut M 5 DIN 934 k | 2 | |
| — | 6770 z 71-4 | speedometer with lighting incorporated (make Veigel), indicating miles | 1 | |
| — | 2426 k 1-0 | rubber ring | 1 | |
| — | 2424 k 1-0 | bulb holder | 1 | |
| — | — | bulb J 6 V 1,2 W DIN 72 601 | 1 | Osram 3799 |
| — | 2421 k 2-3 | fixing angle | 2 | |
| — | — | hex nut M 4 DIN 934 | 2 | |
| — | — | shake-proof (toothed) washer A 4,3 DIN 6797 | 2 | |
| 657 | 6790 z 104-0 | speedometer drive cable | 1 | |
| — | — | rubber grommet D DIN 72 613 (to headlight) | 1 | |
| — | 1806 z 36 | rubber grommet (to front wheel hub) | 1 | |
| | | **Battery** | | |
| 658 | 6060 z 103-0 | battery (terminals inside) 6 V 8 Ah L | 1 | |
| 659 | 1396 z 255 | rubber lace | 2 | |
| 660 | 1396 z 256 | rubber lace | 1 | |
| 661 | 1111 z 235-2 | clasp (to tie) | 2 | |
| 662 | 1396 z 257 | tie | 1 | |
| | | **Taillight** | | |
| 665 | 6110 z 48-8 | tail-brake-number plate light | 1 | |
| — | 2320 k 2-8 | cap | 1 | |
| — | 1146 z 81 | rubber plate | 1 | |
| — | 2320 k 3-0 | glass (to cap) | 1 | |
| — | — | bulb K 6 V 15 W DIN 72 601 (for brake light) | 1 | Osram 6452 |



## Illustration 26, Group E: a) Electrical Equipment, Headlight Battery Horn Brakelight Pressure Switch Conducts

| Key No. | Spare Part No. | Description | No. of Pieces | Remarks |
|---|---|---|---|---|
| — | — | bulb M 6 V 3 W DIN 72 601 (for tail-number plate-light) | 1 | Osram 6427 |
| — | — | screw, button head, AM 5 × 15 DIN 86 k | 2 | |
| — | — | shake-proof (toothed) washer J 5,3 DIN 6798 k | 2 | |
| — | — | hex nut M 5 DIN 934 k | 2 | |
| | | **Horn** | | |
| 666 | — | horn 100 × 6 DIN 72 701 | 1 | |
| 667 | 2051 z 559-2 | bracket | 1 | |
| 668 | — | hex screw M 8 × 30 DIN 933 k (to fasten horn to retaining clip) | 1 | |
| 669 | — | spring washer A 8 DIN 127 k | 1 | |
| 670 | — | hex nut M 8 DIN 934 k | 1 | |
| 670a | 1241 z 13 | spacer ring | 1 | |
| | | **Brakelight Pressure Switch** | | |
| 671 | 6160 z 158 | brakelight pressure switch | 1 | |
| — | — | cylindrical screw AM 4 × 15 DIN 84 k (to fasten switch to frame) | 2 | |
| — | — | shake-proof (toothed) washer A 4,3 DIN 6797 k | 2 | |
| — | — | washer 4,3 DIN 125 k | 2 | |
| — | — | hex nut M 4 DIN 934 k | 2 | |
| | | **Electric Conducts** Please order cables and sleeves resp. hoses by meters | | |
| — | — | cable B 1,5 DIN 72 551 black | | |
| — | — | cable B 1,5 DIN 72 551 blue | | |
| — | — | cable B 1,5 DIN 72 551 green | | |
| — | — | cable B 1,5 DIN 72 551 red | | |
| — | — | cable B 1,5 DIN 72 551 yellow/green | | |
| — | — | cable B 1,5 DIN 72 551 yellow | | |
| — | 760 z 269-0 | set of cables (to headlight) | 1 | |
| — | — | cable shoe A 5 × 3 DIN 46 211 | 4 | |
| — | — | cable shoe A 6 × 3,3 DIN 46 211 | 1 | |
| — | — | rubber hose 10 × 8 | | |
| — | — | rubber hose 12 × 10 | | |
| — | — | rubber hose 14 × 10 | | |
| — | — | rubber hose 14 × 12 | | |
| — | 1806 z 01 | connexion protector | 1 | |

## Illustration 27, Group E: a) Electrical Equipment, Battery-Lighting-Ignition Set




## Illustration 27, Group E: a) Electrical Equipment, Battery-Lighting-Ignition Set

| Key No. | Spare Part No. | Description | No. of Pieces | Remarks |
|---|---|---|---|---|
| | | **Battery-Lighting-Ignition Set** | | |
| 676 | 6070 z 209-0 | generator, model Noris MLZn 60/6/1600 R | 1 | |
| 677 | — | cylindrical screw AM 6 × 18 DIN 84 k (to fasten generator to crankcase) | 3 | |
| 678 | — | washer 6,4 DIN 125 k | 3 | |
| 679 | — | spring washer B 6 DIN 137 k | 3 | |
| 680 | 2290 k 38-0 | armature | 1 | |
| 681 | 2291 k 19-2 | hex screw (to fasten armature to crankshaft) | 1 | |
| 682 | — | key 4 × 5 DIN 6888 (to armature) | 1 | |
| 683 | 2290 k 22-0 | ignition coil without ignition cable | 1 | |
| 684 | 2290 k 29-0 | regulator | 1 | |
| — | 2299 k 1-0 | regulator plate | 1 | |
| 685 | 2290 k 3-0 | carbon brush with cable | 2 | — SPRING KEY 685 PART # 2291237 |
| 686 | 2290 k 30-6 | contact breaker arm with contact | 1 | |
| 687 | 2290 k 31-0 | contact bracket | 1 | |
| 688 | 2291 k 26-3 | eccentric screw | 1 | |
| 689 | — | cylindrical screw M 4 × 6 DIN 84 k | 1 | |
| 690 | 2290 k 6-0 | laminated spring with felt | 1 | |
| 691 | 2290 k 7-3 | condenser | 1 | |
| 692 | 2296 k 8 | rubber grommet (for light cable) | 1 | |
| 693 | 2296 k 6-0 | rubber grommet (for ignition cable) | 1 | |
| — | 616 z 241 | rubber grommet (for set of cables) | 1 | |
| — | — | ignition cable 7 mm ⌀ × 0,82 mm² DIN 72 561 (please quote length when ordering) | 1 | |
| — | 1441 z 295 | clamp (to ignition cable) | 1 | |
| 694 | 6080 k 104 | spark plug cover (make Beru) | 1 | |
| — | 786 k 20-0 | water protective cap (side of spark plug) | 1 | |
| — | 786 z 21-0 | water protective cap (side of ignition cable) | 1 | |
| — | — | spark plug with packing washer 14 DIN 72 502 | 1 | Bosch W 240 P 11 S or Beru 240/14 u 2 or Lodge H/4 |

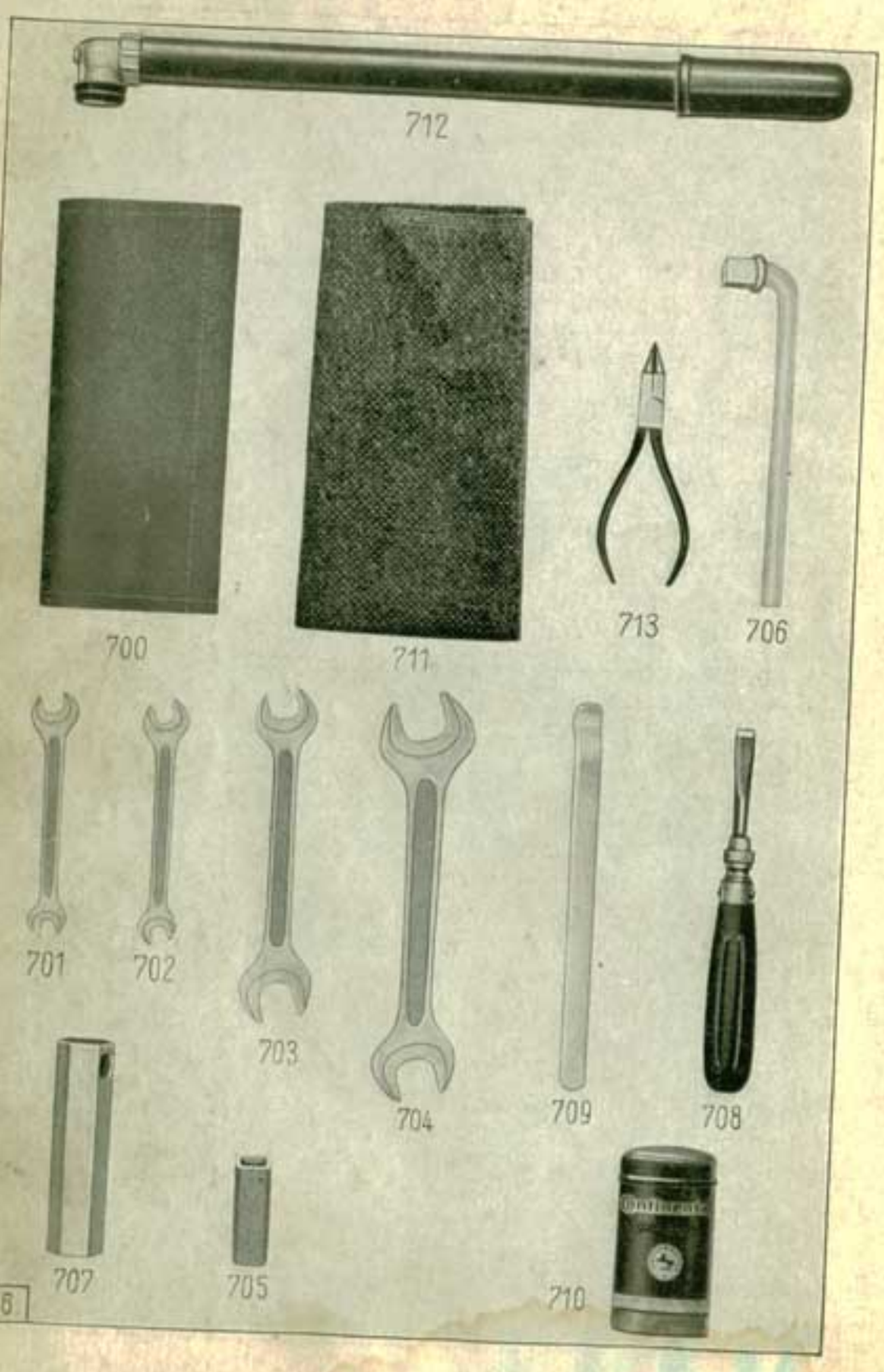



Illustration 28, Group W: Tools

| Key No. | Spare Part No. | Description | No. of Pieces | Remarks |
|---|---|---|---|---|
| | | **Tools** | | |
| — | 6890 k 42-0 | set of tools with bag | 1 | |
| 700 | 6040 z 263 | bag for set of tools | 1 | |
| 701 | — | double end spanner 7 × 9 mm DIN 895 k | 1 | |
| 702 | — | double end spanner 8 × 10 mm DIN 895 k | 1 | |
| 703 | — | double end spanner 14 × 17 mm DIN 895 k | 1 | |
| 704 | — | double end spanner 19 × 22 mm DIN 895 k | 1 | |
| 705 | 2021 z 54 | square socket wrench, 12 mm SW (opening) | 1 | |
| 706 | 2021 z 57 | square socket wrench | 1 | |
| 707 | 2020 z 15 | socket wrench, 21 mm SW (opening) | 1 | |
| 708 | 2009 z 102 | double screwdriver (exchangeable) | 1 | |
| 709 | 2001 z 01 | tyre lever | 2 | |
| 710 | 6040 k 269 | box with rubber repairing material | 1 | obtainable on the market |
| 711 | 2208 k 12 | cleaning cloth | 1 | |
| 712 | 6040 z 255 | air pump | 1 | |
| 713 | — | combination pliers 160 DIN 5244 | 1 | |
| — | 1596 z 401 | sleeve for rubber repairing box | 1 | |
| — | 6040 z 278 | antitheft lock | 1 | |