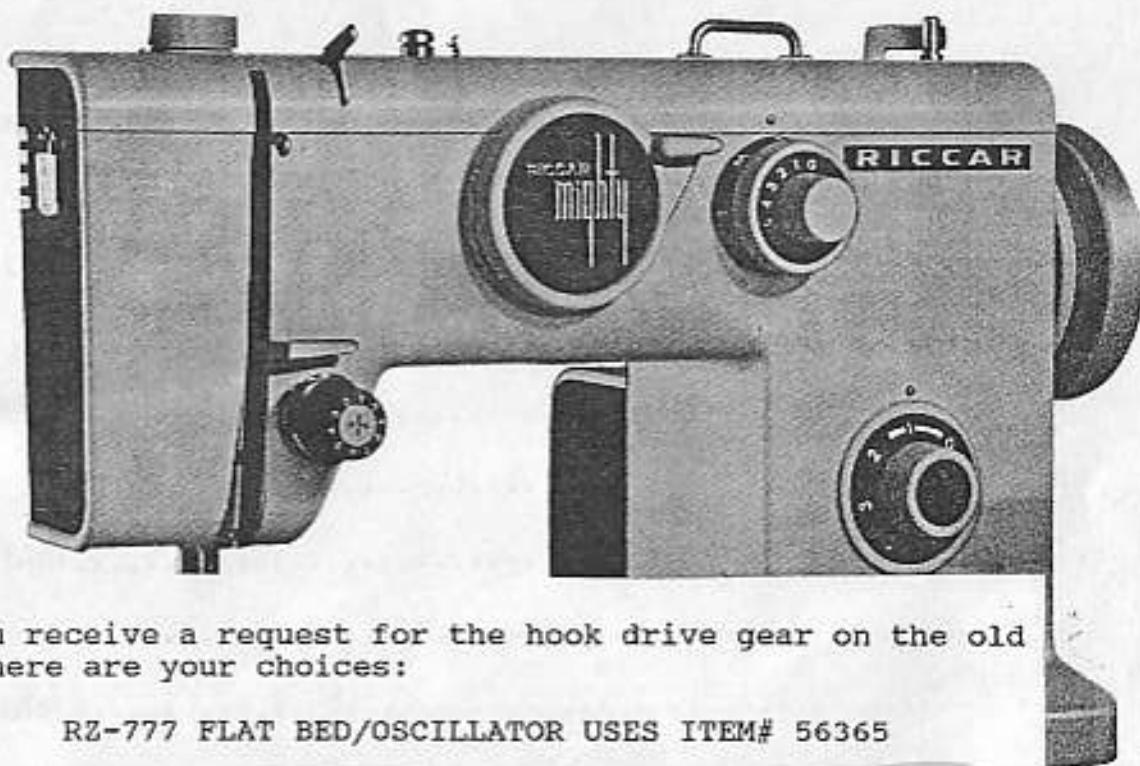


# RZ-777

# PARTS CATALOGUE

BWG-  
page 4



SUBJECT: RZ777 GEAR

Please note: When you receive a request for the hook drive gear on the old Riccar Model RZ-777 here are your choices:

RZ-777 FLAT BED/OSCILLATOR USES ITEM# 56365

RZ-777 FLAT BED/ROTARY USED A "CONE-SHAPE" GEAR  
WHICH IS OBSOLETE

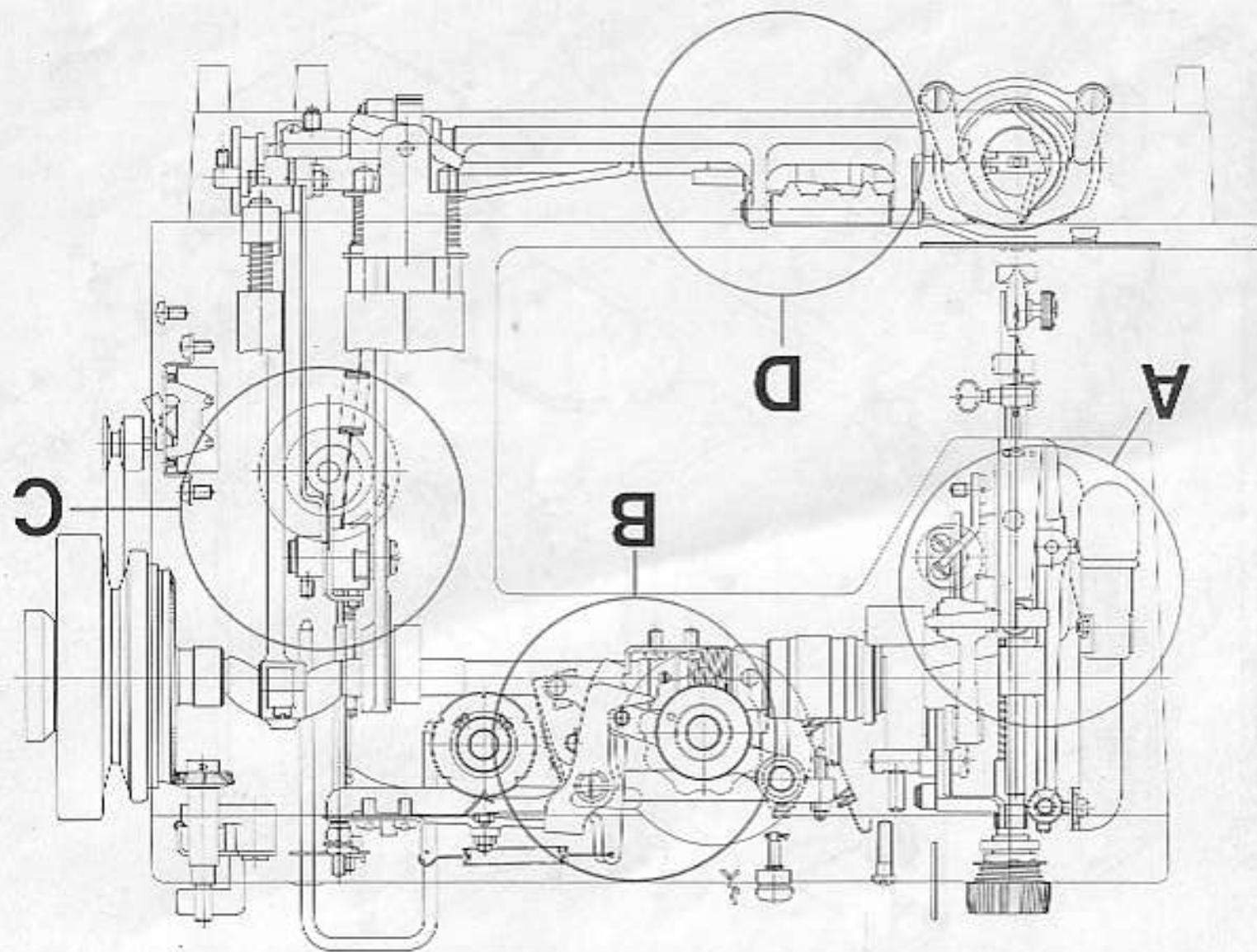
RZ-777 FREE ARM ROTARY USES ITEM# 53741

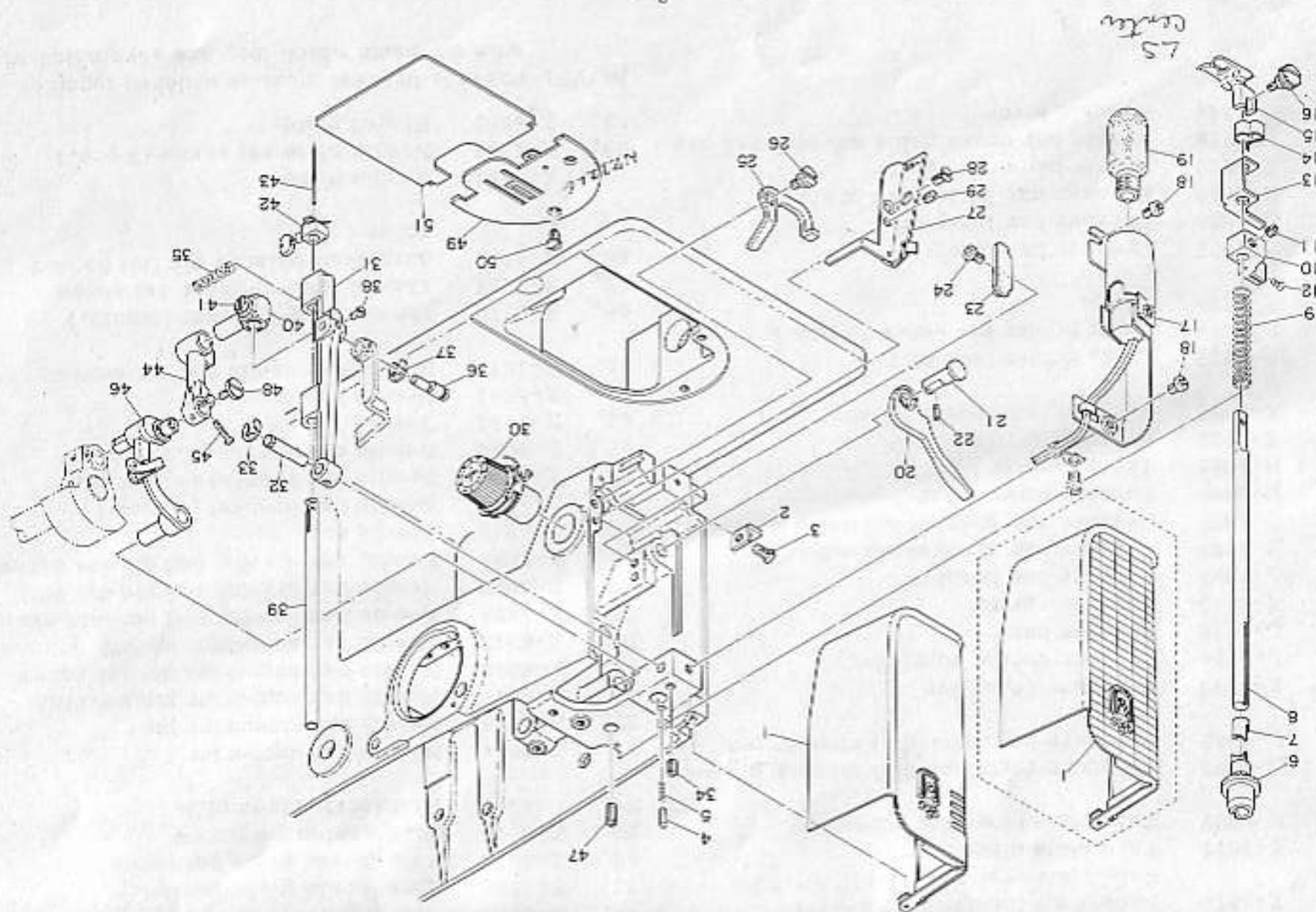
Another frequently asked for item for this model is the bobbinwinder.  
The only part available is the BOBBIN WINDER GEAR Item# BWG-6

Accessory Kit: NLA

|   |                                    |
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| 1 | Mechanical Drawing of RZ-777 ..... |
| 2 | Block A .....                      |
| 3 | Parts List.....                    |
| 4 | Block B .....                      |
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| 9 | Parts List.....                    |

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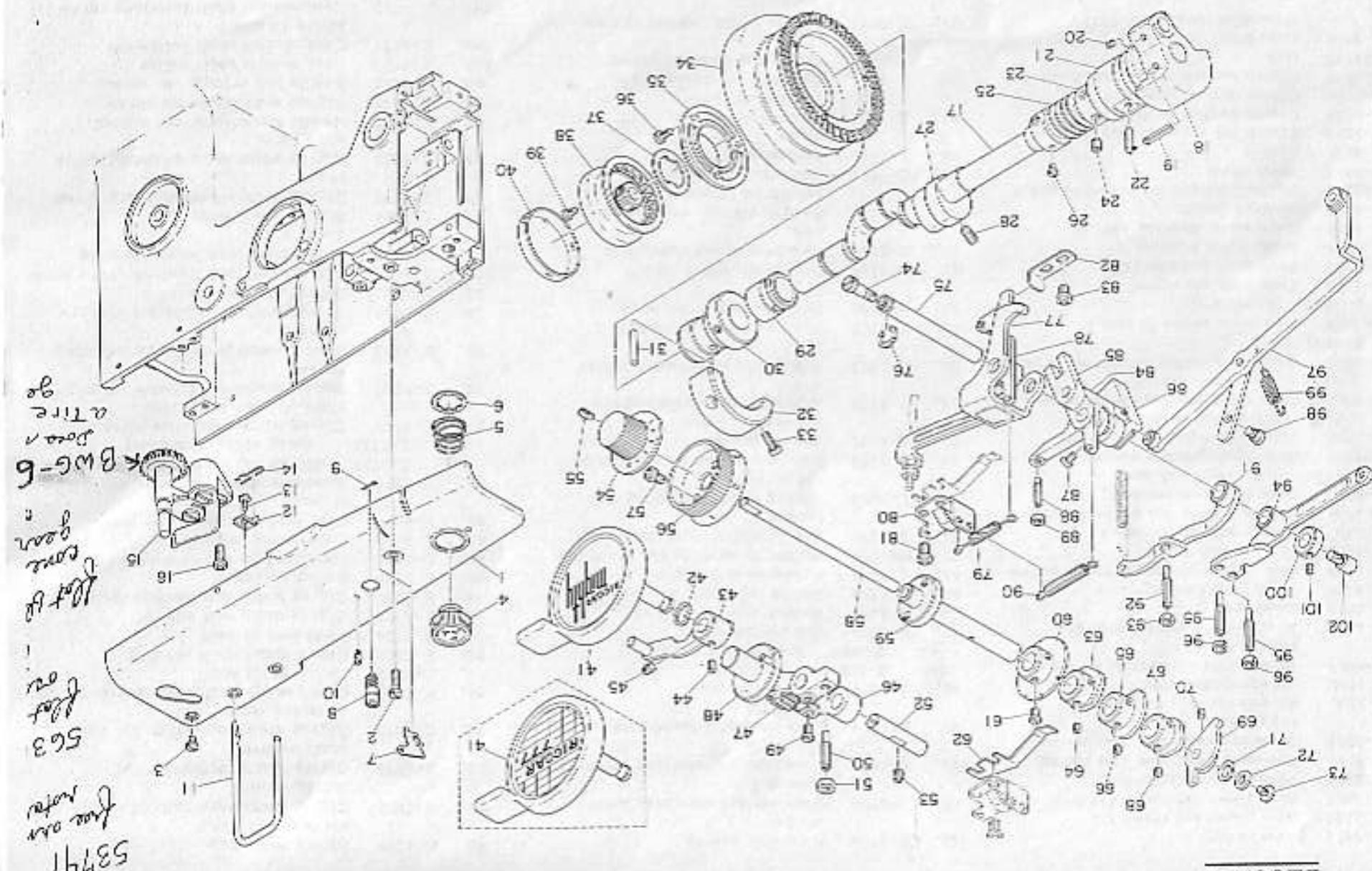


BLOCK-A

|     |        |                                      |     |        |  |  |  |
|-----|--------|--------------------------------------|-----|--------|--|--|--|
| (1) | Z-5510 | Face plate (compl.) (RZ-177)         | 25. | Z-6125 | Tension lever set screw                |  |  |
| 2.  | Z-5517 | Face plate hinge                     | 27. | Z-6540 | Arm thread guide (compl.)              |  |  |
| 3.  | L-6227 | Face plate hinge set screw           | 28. | Z-5518 | Arm thread guide set screw             |  |  |
| 4.  | L-4082 | Pressure regulator dial stopper pin  | 29. | Z-6048 | Dial tension set screw                 |  |  |
| 5.  | L-4083 | Pressure regulator dial stopper pin  | 30. | L-4060 | Dial tension (compl.)                  |  |  |
| 6.  | Z-5546 | Pressure regulator                   | 31. | Z-6044 | Needle bar supporter pin               |  |  |
| 7.  | L-4084 | Pressure spring support              | 32. | Z-6046 | Needle bar supporter pin               |  |  |
| 8.  | L-4086 | Pressure bar                         | 33. | Z-6048 | Needle bar supporter pin set ring      |  |  |
| 9.  | Z-5547 | Pressure spring                      | 34. | Z-6045 | Needle bar supporting rod spring       |  |  |
| 10. | L-4091 | Pressure bar bracket                 | 35. | Z-5853 | Needle bar driving rod pin (eccentric) |  |  |
| 11. | H-1063 | Pressure bar bracket set screw       | 36. | Z-6047 | Needle bar driving rod pin set ring    |  |  |
| 12. | L-1073 | Pressure bar bracket adjusting screw | 37. | Z-6043 | Needle bar driving rod pin set screw   |  |  |
| 13. | Z-5545 | Tension lever                        | 38. | Z-1363 | Needle bar driving rod pin set screw   |  |  |
| 14. | H-1065 | Thread cutter                        | 39. | Z-5930 | Needle bar bracket (compl.)            |  |  |
| 15. | Z-1050 | Presser foot (compl.)                | 40. | Z-5949 | Needle bar bracket set screw           |  |  |
| 16. | Z-2084 | Presser foot thumb screw             | 41. | Z-6080 | Needle bar clamp (compl.)              |  |  |
| 17. | Z-5880 | Lamp holder (compl.)                 | 42. | Z-5931 | Needle bar crank rod                   |  |  |
| 18. | L-4086 | Lamp holder set screw (2 pcs.)       | 43. | H-1077 | Needle bar crank rod set screw         |  |  |
| 19. | Z-5895 | Lamp                                 | 44. | Z-5896 | Needle bar crank rod                   |  |  |
| 20. | Z-2083 | Presser bar filter                   | 45. | H-1077 | Lamp holder (compl.)                   |  |  |
| 21. | H-1068 | Presser bar filter pin               | 46. | Z-1185 | Arm shaft balance pin left handed      |  |  |
| 22. | Z-5552 | Presser bar filter pin set screw     | 47. | Z-1187 | Thread take-up lever set screw         |  |  |
| 23. | H-1069 | Presser bar filter pin set screw     | 48. | Z-5561 | Needle Plate                           |  |  |
| 24. | L-4086 | Needle bar crank guide               | 49. | Z-5562 | Hinged plate                           |  |  |
| 25. | Z-5544 | Tension lever                        | 50. | H-1394 | Needle plate set screw (2 pcs.)        |  |  |

with the parts which they are assembled with.

NOTE: Parts in bracket must be ordered together



BLOCK-B

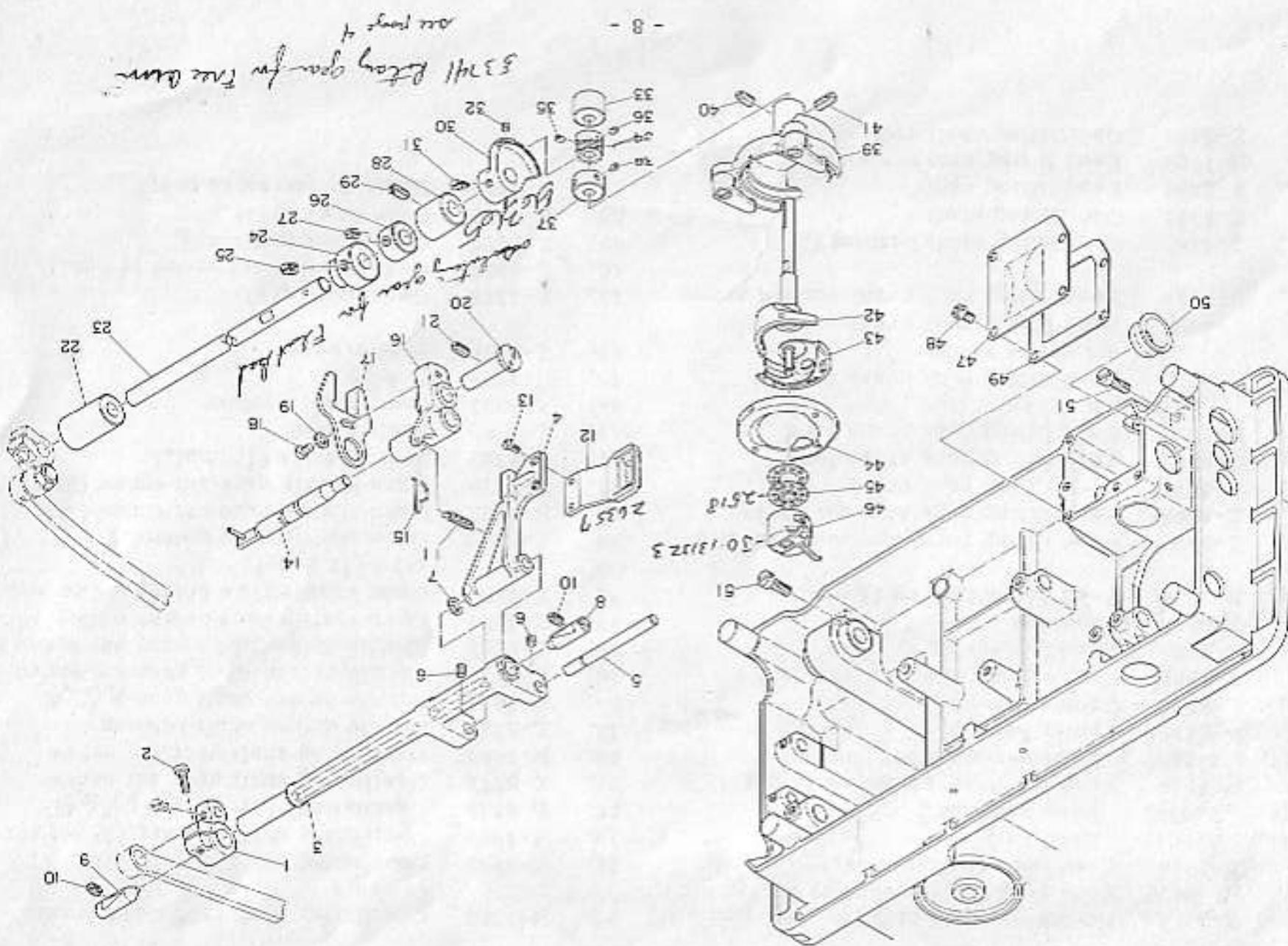
53441  
ratio over drive ratio  
563  
ratio  
102  
drive gear  
103  
drive gear  
104

**P A R T S   L I S T**

|            |                                  |                             |             |                                   |             |   |
|------------|----------------------------------|-----------------------------|-------------|-----------------------------------|-------------|---|
| 1. Z-5621  | Arm cover                        | Zigzag width regulating cam | 42. Z-5701  | Arm door spring                   | 70. H-1174  | Zigzag width regulating cam                   |
| 2. Z-2807  | Arm cover set screw (2)          | set screw (2 pcs.)          | 43. Z-5710  | Cam contact; detaching lever      | 71. Z-6833  | Zigzag width regulating dial shaft            |
| 3. Z-6041  | Arm cover set screw (1)          |                             | 44. Z-5710  | Cam contact; detaching lever      | 72. Z-5525  | Cam contact shaft; retarding screw            |
| 4. Z-6635  | Pressure regulator dial          | (compl.)                    | 45. Z-5610  | Holder (compl.)                   | 73. Z-5526  | Cam contact shaft; retarding screw (2)        |
| 5. Z-5635  | Pressure regulator dial          |                             | 46. Z-5610  | Holder (compl.)                   | 74. Z-5525  | Cam contact shaft; retarding screw            |
| 6. Z-5536  | Pressure regulator dial spring   |                             | 47. Z-1154  | Cam contact; detaching lever set  | 75. Z-1076  | Zigzag width regulating dial shaft set washer |
| 7. Z-5531  | Arm cover fixed guide (1)        |                             | 48. Z-1154  | Cam contact; detaching lever set  | 76. Z-5714  | Zigzag width regulating lever set             |
| 8. Z-6650  | Triced guide (compl.)            |                             | 49. Z-1174  | Holder set screw                  | 77. Z-6833  | Zigzag width cam contact                      |
| 9. Z-6087  | Triced guide adjusting screw set |                             | 50. Z-5610  | Holder set screw                  | 78. Z-5765  | Zigzag width cam contact spring               |
| 10. Z-5532 | Arm cover tread guide (2)        |                             | 51. Z-6151  | Holder adjusting screw nuts       | 79. Z-6833  | Sprung holder set screw (2 pcs.)              |
| 11. Z-5537 | Spool pin                        |                             | 52. Z-5625  | Holder adjusting plate set screw  | 80. Z-5765  | Sprung holder cam contact spring              |
| 12. Z-5529 | Spool pin adjusting plate        |                             | 53. Z-6151  | Holder adjusting screw nuts       | 81. Z-4035  | Cam contact stopper set screw (2 pcs.)        |
| 13. Z-5539 | Spool pin adjusting plate        |                             | 54. Z-5625  | Holder supports plate set screw   | 82. Z-5765  | Cam contact stopper                           |
| 14. Z-1104 | Spool pin adjusting plate        |                             | 55. H-1003  | Holder supports plate             | 83. Z-4035  | Cam contact stopper set screw                 |
| 15. Z-5530 | Spool pin adjusting plate        |                             | 56. Z-5625  | Holder supports plate set screw   | 84. Z-2056  | Zigzag width regulating dial (compl.)         |
| 16. Z-4124 | Bobbins washer set screw (2)     |                             | 57. Z-2056  | Zigzag width regulating dial      | 85. Z-4035  | Cam contact stopper set screw                 |
| 17. Z-5531 | Arm washer set screw (2)         |                             | 58. Z-2056  | Zigzag width regulating dial      | 86. Z-5715  | Needle position controller                    |
| 18. Z-2044 | Arm shaft balance set pin        |                             | 59. Z-5715  | Needle position selector dial     | 87. Z-5715  | Needle position controller adjusting screw    |
| 19. Z-5532 | Arm shaft balance set pin        |                             | 60. Z-5715  | Needle position selector dial     | 88. Z-5715  | Needle position controller                    |
| 20. H-1069 | Arm shaft balance set pin        |                             | 61. Z-5715  | Needle position selector dial     | 89. H-1163  | Needle position controller screw              |
| 21. Z-5532 | Arm shaft bushing (11) set screw |                             | 62. Z-5715  | Needle position selector dial     | 90. Z-5715  | Needle position controller screw              |
| 22. Z-5532 | Arm shaft bushing (11) set screw |                             | 63. Z-5715  | Needle position selector dial     | 91. Z-5715  | Needle position controller screw              |
| 23. H-1174 | Worm set screw (2 pcs.)          |                             | 64. Z-5715  | Needle position selector (compl.) | 92. Z-5715  | Needle position controller screw              |
| 24. Z-5591 | Arm shaft collar set screw (2)   |                             | 65. Z-5715  | Needle position selector dial     | 93. H-1163  | Needle position controller screw              |
| 25. Z-5591 | Arm shaft collar set screw (2)   |                             | 66. Z-5715  | Needle position selector dial     | 94. Z-5715  | Zigzag width lever                            |
| 26. Z-5591 | Arm shaft collar set screw (2)   |                             | 67. Z-5715  | Needle position selector dial     | 95. Z-5715  | Zigzag width lever                            |
| 27. H-1196 | Feed cam                         |                             | 68. Z-5715  | Needle position selector dial     | 96. Z-5715  | Zigzag width lever                            |
| 28. H-1254 | Feed cam set screw               |                             | 69. H-1163  | Needle position controller        | 97. H-1263  | Buttonholder feed lever                       |
| 29. Z-6157 | Arm shaft bushing (2)            |                             | 70. H-1163  | Needle position controller        | 98. Z-5715  | Buttonholder feed lever                       |
| 30. Z-5662 | Arm shaft bushing                |                             | 71. H-1163  | Needle position controller        | 99. Z-5715  | Buttonholder feed lever                       |
| 31. H-1148 | Hard wheel                       |                             | 72. H-1163  | Needle position controller        | 100. Z-5715 | Needle bar driving rod (compl.)               |
| 32. L-4125 | Balance weight                   |                             | 73. Z-5715  | Needle position controller        | 101. Z-1175 | Cam contact shaft collar set                  |
| 33. Z-6113 | Balance weight set screw (2)     |                             | 74. Z-5715  | Needle position controller        | 102. Z-6722 | Cam contact shaft fastening screw (1)         |
| 34. Z-5861 | Hard wheel                       |                             | 75. Z-5715  | Needle position controller        |             |   |
| 35. Z-5715 | Balance weight                   |                             | 76. Z-5715  | Needle position controller        |             |   |
| 36. Z-5715 | Balance weight set screw (2)     |                             | 77. Z-5715  | Needle position controller        |             |   |
| 37. H-1174 | Hard wheel                       |                             | 78. Z-5715  | Needle position controller        |             |   |
| 38. Z-5715 | Balance weight                   |                             | 79. Z-5715  | Needle position controller        |             |   |
| 39. Z-5715 | Balance weight set screw (2)     |                             | 80. Z-5715  | Needle position controller        |             |   |
| 40. Z-4617 | Cam lock set screw (2)           |                             | 81. Z-5715  | Needle position controller        |             |   |
| 41. Z-5700 | Cam door (HZ-TT)                 |                             | 82. Z-5715  | Needle position controller        |             |   |
| 42. Z-5715 | Cam door (HZ-TT)                 |                             | 83. Z-5715  | Needle position controller        |             |   |
| 43. Z-5715 | Cam door (HZ-TT)                 |                             | 84. Z-5715  | Needle position controller        |             |   |
| 44. Z-5715 | Cam door (HZ-TT)                 |                             | 85. Z-5715  | Needle position controller        |             |   |
| 45. Z-5715 | Cam door (HZ-TT)                 |                             | 86. Z-5715  | Needle position controller        |             |   |
| 46. Z-5715 | Cam door (HZ-TT)                 |                             | 87. Z-5715  | Needle position controller        |             |   |
| 47. Z-5715 | Cam door (HZ-TT)                 |                             | 88. Z-5715  | Needle position controller        |             |   |
| 48. Z-5715 | Cam door (HZ-TT)                 |                             | 89. Z-5715  | Needle position controller        |             |   |
| 49. Z-5715 | Cam door (HZ-TT)                 |                             | 90. Z-5715  | Needle position controller        |             |   |
| 50. Z-5715 | Cam door (HZ-TT)                 |                             | 91. Z-5715  | Needle position controller        |             |   |
| 51. Z-5715 | Cam door (HZ-TT)                 |                             | 92. Z-5715  | Needle position controller        |             |   |
| 52. Z-5715 | Cam door (HZ-TT)                 |                             | 93. Z-5715  | Needle position controller        |             |   |
| 53. Z-5715 | Cam door (HZ-TT)                 |                             | 94. Z-5715  | Needle position controller        |             |   |
| 54. Z-5715 | Cam door (HZ-TT)                 |                             | 95. Z-5715  | Needle position controller        |             |   |
| 55. Z-5715 | Cam door (HZ-TT)                 |                             | 96. Z-5715  | Needle position controller        |             |   |
| 56. Z-5715 | Cam door (HZ-TT)                 |                             | 97. Z-5715  | Needle position controller        |             |   |
| 57. Z-5715 | Cam door (HZ-TT)                 |                             | 98. Z-5715  | Needle position controller        |             |   |
| 58. Z-5715 | Cam door (HZ-TT)                 |                             | 99. Z-5715  | Needle position controller        |             |   |
| 59. Z-5715 | Cam door (HZ-TT)                 |                             | 100. Z-5715 | Needle bar driving rod            |             |   |

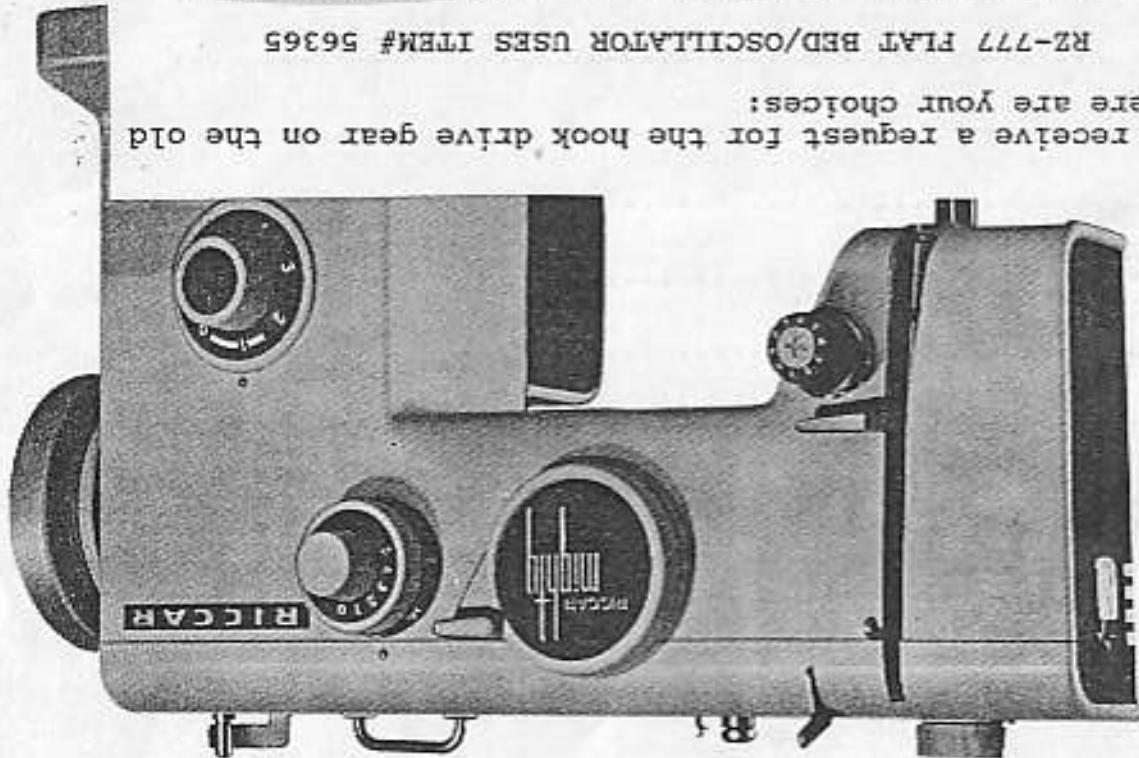
P A R T S   L I S T

|     |          |                                 |     |        |                                    |     |        |                                      |
|-----|----------|---------------------------------|-----|--------|------------------------------------|-----|--------|--------------------------------------|
| 1.  | Z-6314   | Feed rod                        | 35. | Z-5615 | Reverse lever (1)                  | 61. | Z-5132 | Belt cover (1) (2) set screw         |
| 2.  | Z-6623   | Feed rod pin set screw          | 36. | Z-5618 | Reverse lever pin (1)              | 62. | Z-5615 | (4 pos.)                             |
| 3.  | H-1174   | Feed rod pin                    | 37. | L-4124 | Reverse lever pin set screw        | 63. | E-1130 | Motor (compl.) (RZ-777)              |
| 4.  | Z-5358   | Crank connecting rod            | 38. | Z-6011 | Reverse lever pin set              | 64. | E-1010 | Motor cover                          |
| 5.  | H-1383   | Crank connecting rod set screw  | 39. | Z-5511 | Reverse lever (2) set ring         | 65. | E-1010 | Motor bracket                        |
| 6.  | H-1163   | Crank connecting rod tapered    | 40. | Z-6133 | Reverse lever (2) set ring         | 66. | Z-5414 | Belt cover (2) (RZ-777)              |
| 7.  | H-1164   | Crank connecting rod tapered    | 41. | Z-5621 | Reverse setting button             | 67. | E-1023 | Belt                                 |
| 8.  | Z-5359   | Crank connecting rod            | 42. | Z-5622 | Reverse setting button spring      | 68. | E-1061 | Motor bracket clamping screw         |
| 9.  | H-1243   | Crank connecting rod            | 43. | Z-5623 | Reverse setting button supporting  | 69. | E-1140 | Motor (compl.) (RZ-777)              |
| 10. | Z-5600   | Feed regulator (compl.)         | 44. | Z-5605 | Drop feed (compl.)                 | 70. | E-1013 | Concentric set screw washer (2 pos.) |
| 11. | Z-5603   | Feed distributor rod            | 45. | Z-5606 | Drop feed (compl.)                 | 71. | E-1023 | Concentric set screw washer (2 pos.) |
| 12. | Z-5605   | Feed distributor rod spring     | 46. | Z-5609 | Drop feed supporting plate set     | 72. | Z-6111 | Motor cover                          |
| 13. | Z-5608   | Feed distributor washer         | 47. | L-4035 | Drop feed (2 pos.)                 | 73. | Z-6207 | Motor cover set screw (1)            |
| 14. | Z-5608   | Feed distributor stopper washer | 48. | Z-5601 | Drop feed connecting bar           | 74. | Z-6132 | Motor bracket                        |
| 15. | L-8151   | Feed distributor lock nut       | 49. | Z-6051 | Drop feed connecting bar           | 75. | E-1130 | Motor cover set screw (2)            |
| 16. | Z-5614   | Reverser spring                 | 50. | Z-6217 | Drop feed connecting bar           | 76. | E-1010 | Motor bracket                        |
| 17. | Z-5605   | Reverser spring holder          | 51. | Z-6136 | Drop feed connecting bar           | 77. | E-1142 | Motor bracket clamping screw         |
| 18. | Z-5610   | Reverser plate (compl.)         | 52. | Z-6126 | Drop feed regulating cranks        | 78. | Z-6001 | Belt cover set screw                 |
| 19. | Z-Z-5612 | Reverser plate                  | 53. | Z-6016 | Drop feed connecting bar set       | 79. | Z-6016 | Belt cover set screw                 |
| 20. | Z-5619   | Feed regulator plate adjustment | 54. | Z-6015 | Drop feed connecting bar           | 80. | Z-5905 | Motor bracket                        |
| 21. | H-1263   | Screw                           | 55. | Z-6125 | Drop feed regulating cranks        | 81. | Z-5906 | Drop feed connecting bar set         |
| 22. | Z-5743   | Screw set                       | 56. | Z-6126 | Drop feed regulating cranks        | 82. | Z-5909 | Motor bracket                        |
| 23. | Z-5744   | Feed regulator plate washer     | 57. | Z-6126 | Drop feed regulating cranks        | 83. | Z-5909 | Motor bracket                        |
| 24. | Z-5630   | Feed regulator dial             | 58. | Z-5609 | Switch selector                    | 84. | Z-5906 | Motor bracket                        |
| 25. | Z-6002   | Feed regulator dial set screw   | 59. | Z-5606 | Switch selector set screw          | 85. | Z-5906 | Motor bracket                        |
| 26. | Z-5651   | Feed regulating cam             | 60. | Z-5607 | Switch selector set screw (2 pos.) | 86. | Z-5906 | Motor bracket                        |
| 27. | Z-1154   | Feed regulating cam set screw   | 61. | Z-5605 | Coat holder (2) set screw          | 87. | Z-5908 | Motor bracket                        |
| 28. | Z-5641   | Feed regulator shaft            | 62. | Z-5921 | Rubber bushing                     | 88. | Z-5908 | Motor bracket                        |
| 29. | Z-5653   | Feed regulating stopper (1)     | 63. | Z-5605 | Black cover plate set screw        | 89. | Z-5908 | Motor bracket                        |
| 30. | Z-5349   | Feed regulating stopper         | 64. | L-4035 | (4 pos.)                           | 90. | Z-5908 | Motor bracket                        |
| 31. | Z-5654   | Feed regulating stopper (2)     | 65. | Z-5413 | Belt cover (1) (RZCAH-777)         | 91. | Z-5908 | Motor bracket                        |
| 32. | Z-5654   | Feed regulating stopper         | 66. | Z-5414 | Belt cover (2)                     | 92. | Z-5908 | Motor bracket                        |



|     |        |                                       |     |        |  |  |
|-----|--------|---------------------------------------|-----|--------|--|--|
| 2.  | Z-5940 | Feed rock shaft (compl.)              | 27. | H-1063 | Oscillating shaft bushing (1)<br>(2 pcs.)      |  |
| 3.  | H-1243 | Feed rock shaft cranks set screw      |     |        |  |  |
| 4.  | Z-5942 | Feed bar)                             | 29. | H-1069 | Oscillating shaft bushing (1)<br>(1) set screw |  |
| 5.  | Z-5943 | Feed bar shaft                        | 30. | Z-6365 | Oscillating shaft gear <b>56365</b>            |  |
| 6.  | H-1172 | Feed bar shaft set screw (2 pcs.)     | 31. | Z-6572 | Oscillating shaft gear set screw               |  |
| 7.  | Z-6043 | Feed bar shaft set ring               | 32. | H-1063 | Oscillating shaft gear set screw               |  |
| 8.  | I-6115 | Center bar (1)                        | 33. | Z-6383 | Shuttle driver shaft bushing                   |  |
| 9.  | I-6116 | Center bar (2)                        | 34. | Z-6381 | Shuttle driver shaft gear <b>NLA</b>           |  |
| 10. | H-1069 | Center bar set screw (2 pcs.)         | 35. | Z-1154 | Shuttle driver shaft gear set screw (1)        |  |
| 11. | Z-2373 | Feed bar spring                       | 36. | Z-6388 | Shuttle driver shaft gear set screw (2)        |  |
| 12. | Z-6357 | Feed dog                              | 37. | Z-6401 | Open shuttle race holder collar                |  |
| 13. | H-1234 | Feed dog set screw (2 pcs.)           | 38. | Z-1154 | Open shuttle race holder set                   |  |
| 14. | Z-6503 | Feed lifting regulator bar (with pin) | 39. | Z-6390 | Open shuttle race (compl.)                     |  |
| 15. | Z-6505 | Feed lifting regulator bar spring     | 40. | H-1069 | Open shuttle race set screw (1)                |  |
| 16. | Z-2374 | Feed lifting rock crank               | 41. | Z-2379 | Open shuttle race set screw (2)                |  |
| 17. | Z-6361 | Feed lifting rock crank fork          | 42. | Z-6382 | Shuttle driver (compl.)                        |  |
| 18. | H-1383 | Feed lifting rock crank fork          | 43. | Z-1383 | Shuttle hook                                   |  |
| 19. | Z-2252 | Feed lifting rock crank fork          | 44. | Z-6393 | Shuttle hook holder                            |  |
| 20. | Z-6369 | Feed lifting rock crank pin           | 45. | H-1229 | Bobbins  |  |
| 21. | H-1069 | Feed lifting rock crank pin set screw | 46. | Z-6450 | Bobbins case                                   |  |
| 22. | Z-6363 | Oscillating shaft bushing (2)         | 48. | L-4036 | Gear box cap packing                           |  |
| 23. | Z-6361 | Oscillating shaft                     | 49. | Z-2377 | Gear box cap packing                           |  |
| 24. | Z-6366 | Feed lifting cam                      | 50. | Z-6385 | Gear box cap (2)                               |  |
| 25. | H-1069 | Feed lifting cam set screw (2 pcs.)   | 51. | H-1159 | Hinge set screw (2 pcs.)                       |  |
| 26. | Z-6364 | Oscillating shaft collar              |     |        |  |  |

# RZ-777 PARTS CATALOGUE



SUBJECT: RZ777 GEAR

Riccar Model RZ-777 here are your choices:  
Please note: When you receive a request for the hook drive gear on the old

RZ-777 FLAT BED/OSCILLATOR USES ITEM# 56365

RZ-777 FLAT BED/ROTARY USED A "CONE-SHAPE" GEAR  
WHICH IS OBSOLETE

RZ-777 FREE ARM ROTARY USES ITEM# 53741

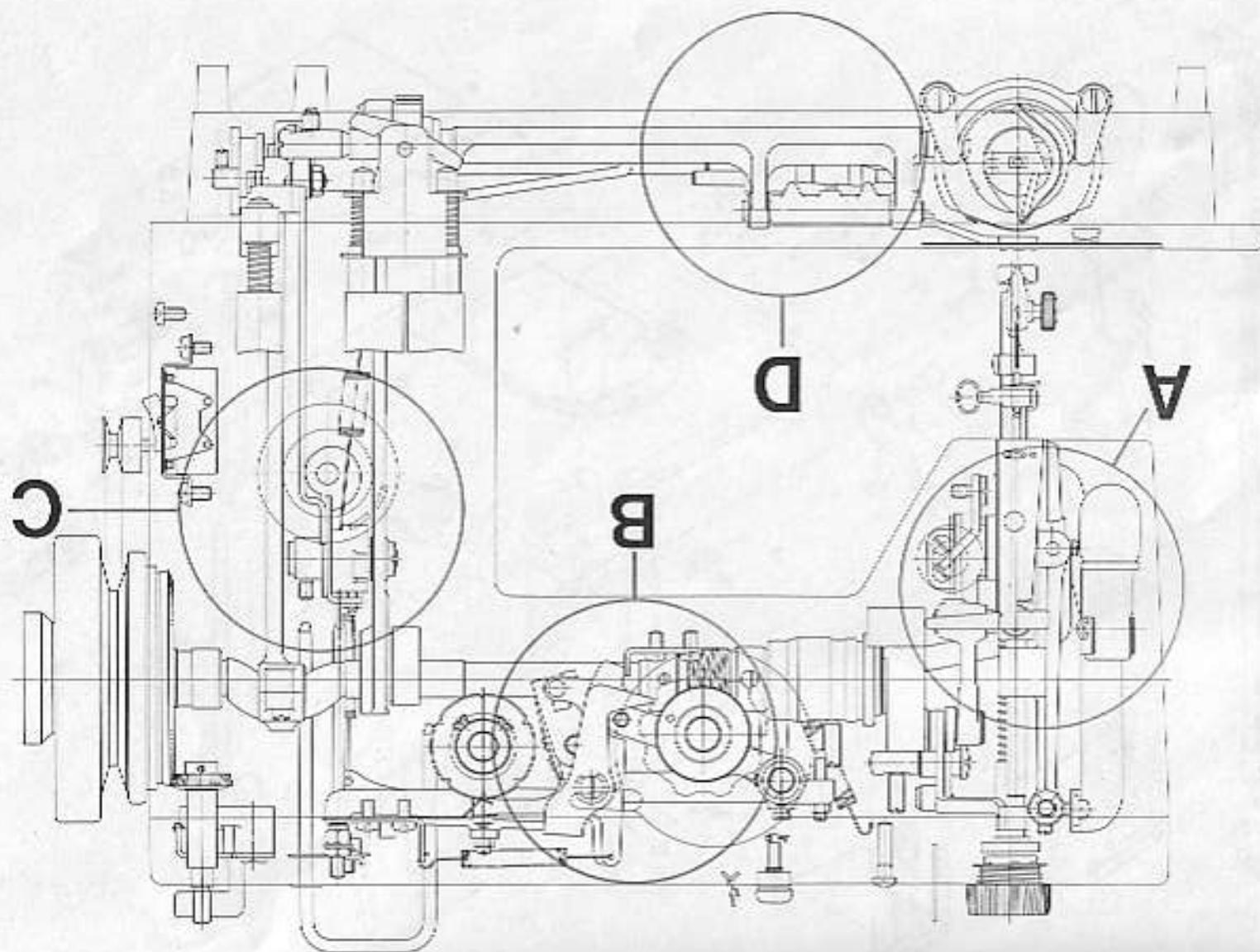
Another frequently asked item for this model is the bobbinwinder.  
The only part available is the BOBBIN WINDER GEAR ITEM# BWG-6

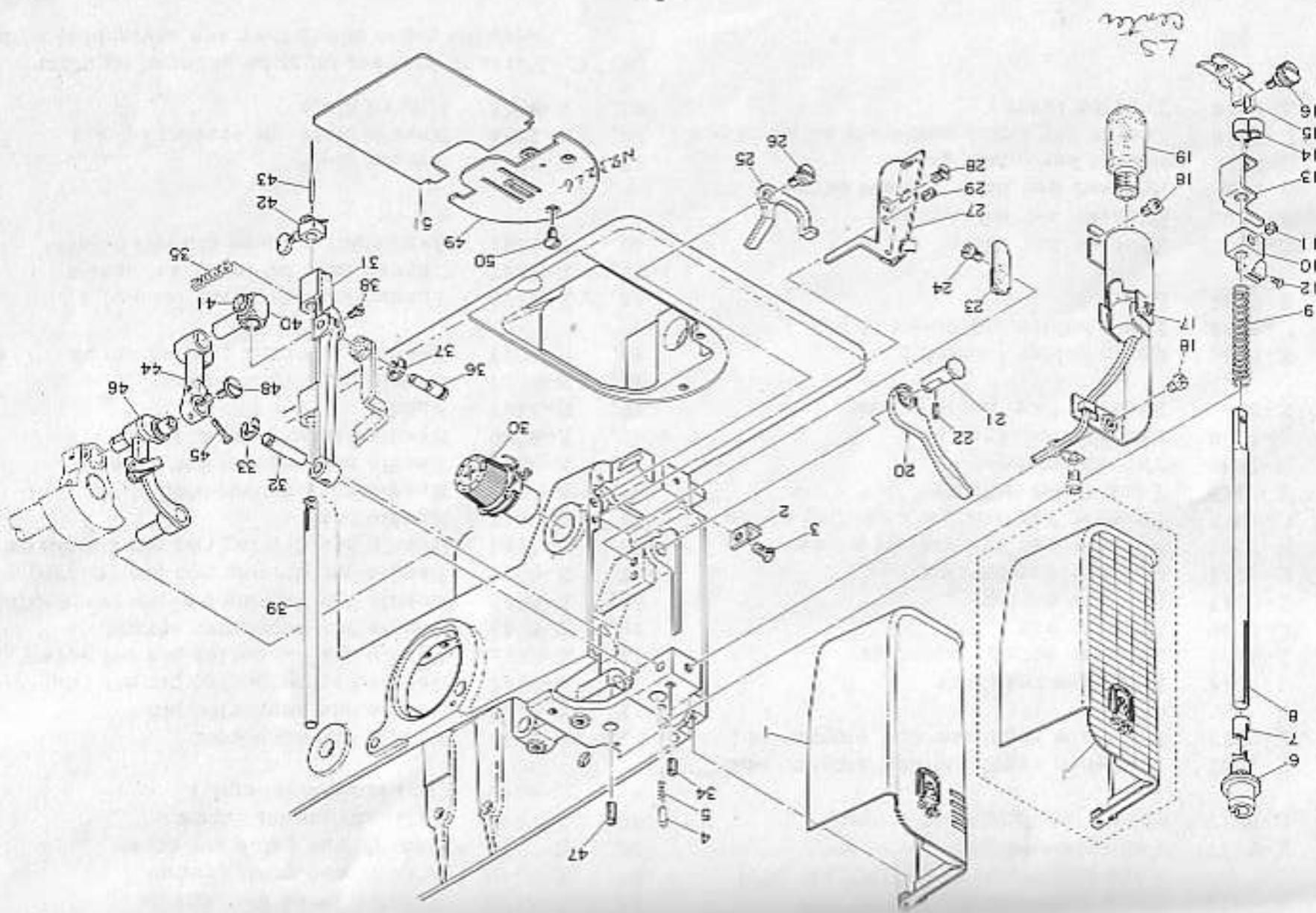
Accessory Kit: NLA

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| Parts List .....            | 7 |
| Block D .....               | 8 |
| Parts List .....            | 9 |

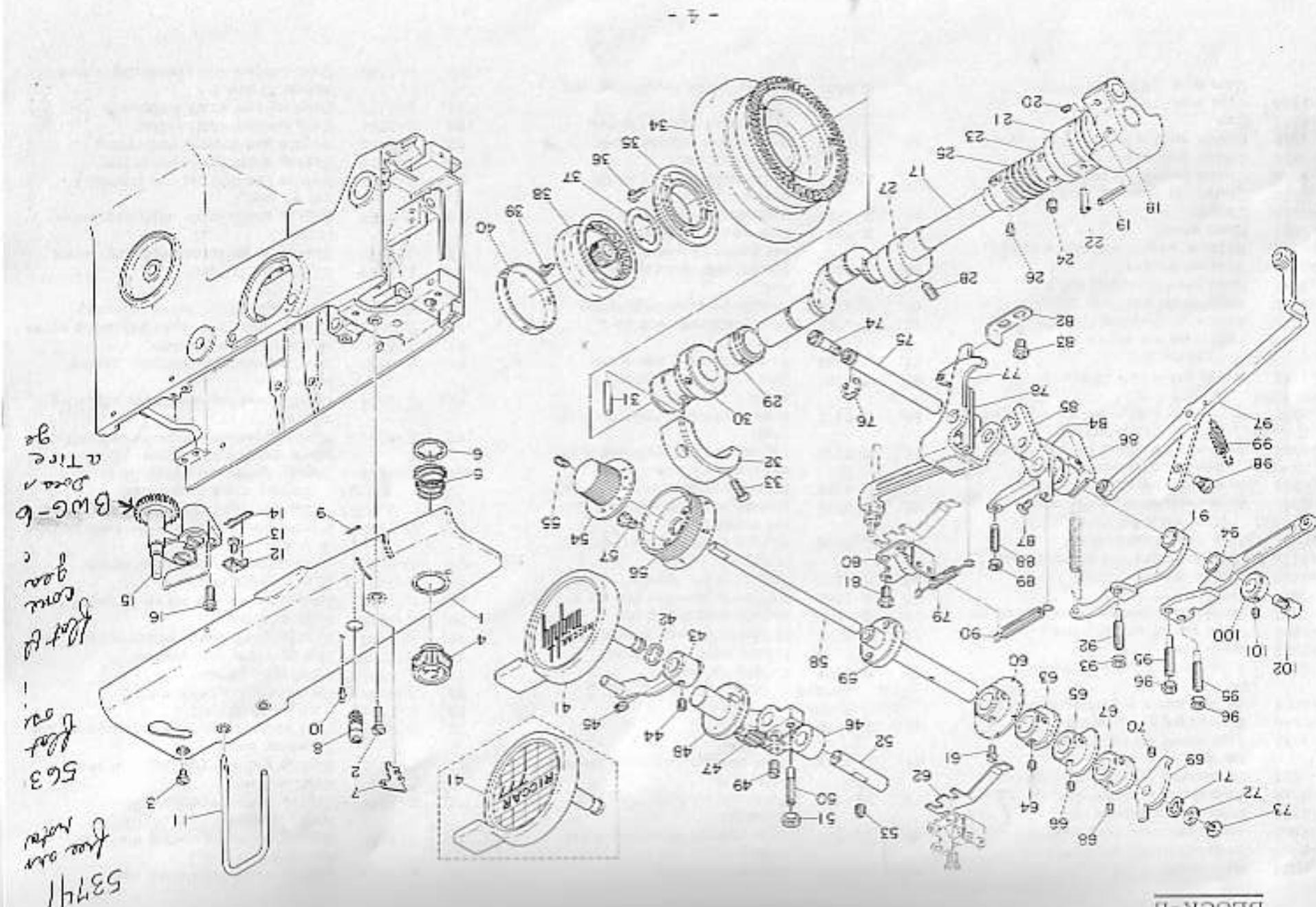
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|-----|--------|---|-----|--------|---------------------------------------|-----|--------|--|
| (1) | Z-5510 | Race plate (compl.) (RZ-777)              | 26. | Z-6125 | Tension lever step screw              |     |        |  |
| 2.  | Z-5517 | Race plate hinge                          | 27. | Z-5540 | Arm thread guide (compl.)             |     |        |  |
| 3.  | Z-6227 | Race plate hinge set screw                | 28. | Z-5518 | Arm thread guide set screw            | 29. | Z-6048 | Dial tension set screw                 |
| 4.  | Z-4082 | Pressure regulator dial stopper pin       | 30. | Z-6060 | Dial tension (compl.)                 |     |        |  |
| 5.  | Z-4083 | Pressure regulator dial stopper pin       | 31. | Z-6044 | Needle bar supporter pin              |     |        |  |
| 6.  | Z-5546 | Pressure regulator                        | 32. | Z-6046 | Needle bar supporter pin set ring     |     |        |  |
| 7.  | Z-4084 | Pressure spring supporter                 | 33. | Z-6047 | Needle bar supporter pin set ring     |     |        |  |
| 8.  | Z-4086 | Pressure bar                              | 34. | Z-6048 | Needle bar supporter pin set screw    |     |        |  |
| 9.  | Z-5547 | Pressure spring                           | 35. | Z-6045 | Needle bar supporter spring           | 36. | Z-5853 | Needle bar driving rod pin (eccentric) |
| 10. | Z-4081 | Pressure bar bracket                      | 37. | Z-6047 | Needle bar driving rod pin set ring   |     |        |  |
| 11. | Z-1063 | Pressure bar bracket set screw            | 38. | Z-1353 | Needle bar driving rod pin set screw  |     |        |  |
| 12. | Z-1073 | Pressure bar bracket adjusting screw      | 39. | Z-6043 | Needle bar driving rod                |     |        |  |
| 13. | Z-5545 | Tension lever filter                      | 40. | Z-6930 | Needle bar bracket (compl.)           |     |        |  |
| 14. | Z-1065 | Thread cutter                             | 41. | Z-5949 | Needle bar bracket set screw          |     |        |  |
| 15. | Z-1050 | Pressure foot (compl.)                    | 42. | Z-6080 | Needle clamp (compl.)                 |     |        |  |
| 16. | Z-2084 | Pressure foot thumb screw                 | 43. | H-1413 | Needle                                |     |        |  |
| 17. | Z-5880 | Lamp holder (compl.)                      | 44. | Z-6031 | Needle bar crank rod                  |     |        |  |
| 18. | Z-4036 | Lamp holder set screw (2 pcs.)            | 45. | H-1077 | Needle bar crank rod set screw        |     |        |  |
| 19. | Z-5885 | Lamp                                      | 46. | Z-5570 | Thread take-up lever (compl.)         |     |        |  |
| 20. | Z-2063 | Pressure bar filter                       | 47. | Z-1187 | Thread take-up lever set screw        |     |        |  |
| 21. | H-1068 | Pressure bar filter pin                   | 48. | Z-1185 | Arm shaft balance pin Let it hardened |     |        |  |
| 22. | H-1069 | Pressure bar filter pin set screw         |     |        |                                       |     |        |  |
| 23. | Z-5552 | Needle bar crank guide                    | 49. | Z-5561 | Needle plate                          |     |        |  |
| 24. | Z-4036 | Needle bar crank guide set screw (2 pcs.) | 50. | H-1394 | Needle plate set screw (2 pcs.)       |     |        |  |
| 25. | Z-5544 | Tension lever                             | 51. | Z-5582 | Hinged plate                          |     |        |  |

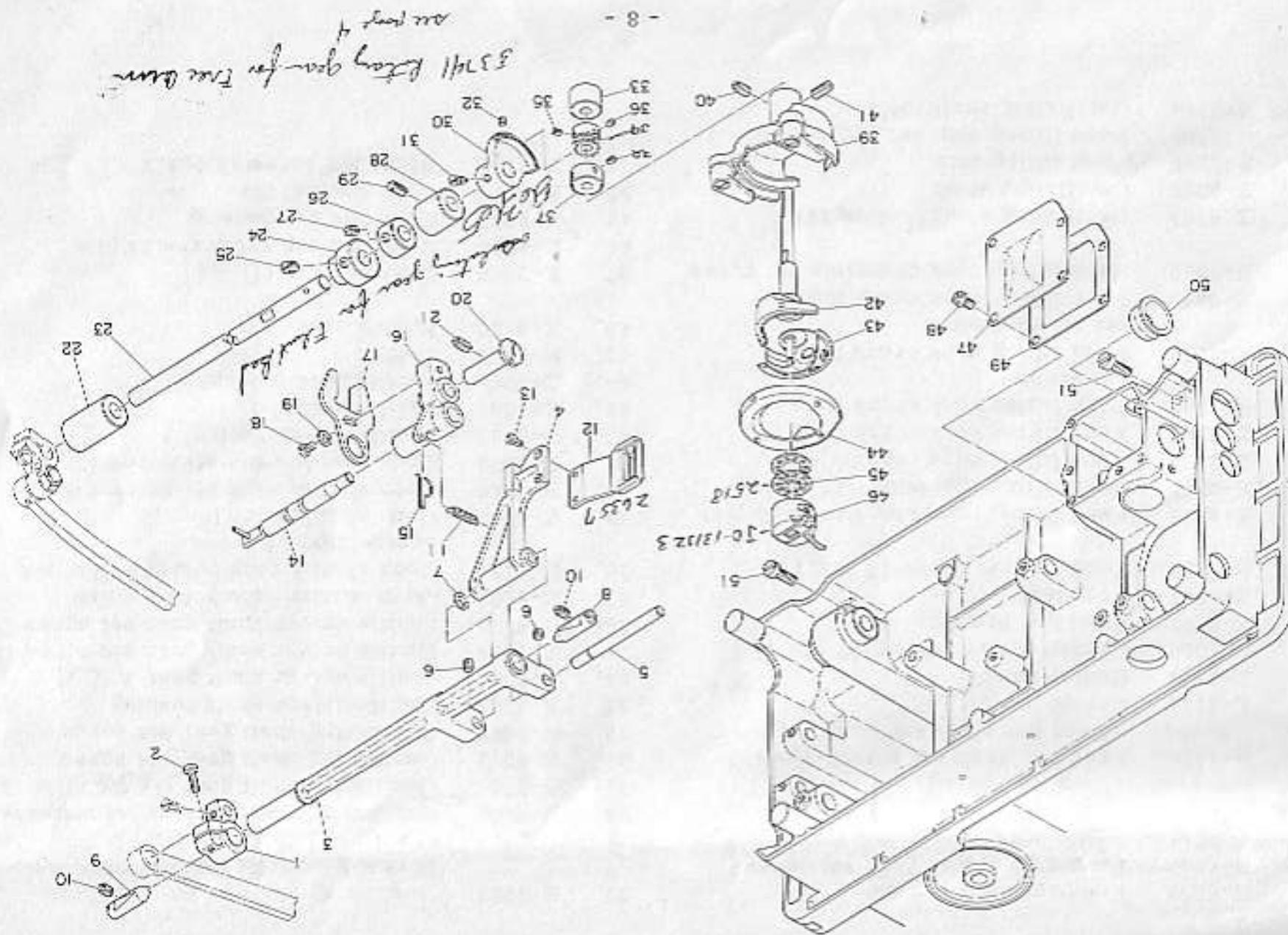
NOTE: Parts in bracket must be ordered together  
with the parts which they are assembled with.



|           |           |                             |            |                             |            |                 |            |                             |            |                             |            |                  |            |                 |            |                    |            |                                       |            |                           |            |                                 |            |                                |            |                           |            |                        |            |                            |            |                          |            |                           |            |                           |            |                           |            |                                 |            |                                 |            |                       |            |                           |            |                                 |            |                                 |            |                            |            |                        |            |                    |            |                                 |            |                             |            |                                    |            |                                 |            |                                 |            |                                    |            |                                 |            |                                 |            |                                    |            |                           |            |                           |            |                                   |            |                  |            |                  |            |                        |            |                                |            |                       |            |                              |            |                               |            |                                       |            |                               |            |                              |            |                               |            |                              |            |                                    |            |                              |            |                               |            |                         |            |                        |            |                               |            |                                      |            |                            |            |                                      |            |                           |            |                                     |            |                                   |            |                       |            |                              |            |                           |            |                   |            |                  |            |                          |            |                        |            |                                   |            |               |            |                               |            |  |            |                                   |            |                               |            |                              |            |                               |            |                                    |            |                              |            |                               |            |                              |            |                               |            |   |            |                    |            |                              |            |                             |            |                           |            |                              |            |                             |             |                          |             |                                       |             |                                       |
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| 1. Z-6521 | Arm cover | Zigzag width regulating cam | 10. H-1174 | Zigzag width regulating cam | 11. Z-5710 | Cam door spring | 12. H-1174 | Zigzag width regulating cam | 13. Z-5710 | Cam contact detaching lever | 14. Z-5725 | Feed cam contact | 15. Z-5670 | Holder (compl.) | 16. Z-5690 | Cam shaft (compl.) | 17. Z-5724 | Cam contact shaft fastening screw (2) | 18. Z-5632 | Arm cover tread guide (2) | 19. Z-6007 | Tread guide adjusting screw set | 20. Z-6560 | Arm cover tread guide (compl.) | 21. Z-6561 | Spool pin adjusting plate | 22. Z-5675 | Holder adjusting screw | 23. Z-6151 | Holder adjusting screw nut | 24. Z-5765 | Zigzag width cam contact | 25. Z-6151 | Spool pin adjusting plate | 26. Z-6562 | Spool pin adjusting plate | 27. Z-6044 | Arm shaft bearing set pin | 28. Z-6155 | Arm shaft bearing (1) set screw | 29. Z-5662 | Arm shaft bearing (1) set screw | 30. Z-6151 | Arm shaft bearing (2) | 31. Z-5662 | Arm shaft bearing set pin | 32. Z-6151 | Arm shaft bearing (1) set screw | 33. Z-5661 | Arm shaft bearing (1) set screw | 34. Z-6148 | Head wheel bearing set pin | 35. Z-5662 | Head wheel bearing (2) | 36. Z-6151 | Cam contact washer | 37. Z-5725 | Cam contact detaching lever set | 38. Z-5725 | Cam contact detaching lever | 39. Z-5670 | Pressurized regulating dial spring | 40. H-1154 | Cam contact detaching lever set | 41. Z-5725 | Cam contact detaching lever set | 42. H-1154 | Pressurized regulating dial spring | 43. Z-5725 | Cam contact detaching lever set | 44. H-1212 | Cam contact detaching lever set | 45. Z-5725 | Pressurized regulating dial spring | 46. Z-5632 | Arm cover tread guide (2) | 47. Z-5690 | Cam cover tread guide (2) | 48. Z-5725 | Cam contact shaft fastening screw | 49. Z-6154 | Holder set screw | 50. Z-5725 | Feed cam contact | 51. Z-5725 | Holder adjusting screw | 52. Z-5675 | Holder adjusting pin set screw | 53. Z-1905 | Holder supporting pin | 54. Z-5630 | Zigzag width regulating dial | 55. Z-5725 | Cam contact stopper set screw | 56. Z-5695 | Zigzag width regulating dial (compl.) | 57. Z-5725 | Needle position selector dial | 58. Z-5725 | Needle position selector (2) | 59. Z-5725 | Needle position selector dial | 60. Z-5725 | Needle position selector (2) | 61. Z-1363 | Needle position selector set screw | 62. Z-5725 | Needle position selector (2) | 63. Z-4026 | Cam contact stopper set screw | 64. Z-5725 | Cam contact stopper (2) | 65. Z-5670 | Bolted washer (compl.) | 66. Z-5725 | Cam contact stopper set screw | 67. Z-5725 | Spool pin supporting plate set screw | 68. Z-5725 | Spool pin supporting plate | 69. Z-5725 | Spool pin supporting plate set screw | 70. Z-5725 | Spool pin adjusting plate | 71. Z-5725 | Spool pin adjusting plate set screw | 72. Z-5725 | Spool pin adjusting pin set screw | 73. Z-1905 | Holder supporting pin | 74. Z-5725 | Zigzag width regulating dial | 75. Z-5632 | Arm cover tread guide (2) | 76. Z-5721 | Cam contact shaft | 77. Z-5724 | Feed cam contact | 78. Z-5765 | Zigzag width cam contact | 79. Z-6151 | Holder adjusting screw | 80. Z-5765 | Spring holder set screw (2 pces.) | 81. Z-4336 | Spring holder | 82. Z-5725 | Zigzag width controller slide | 83. Z-5725 | Needle position selector set screw (2 pces.) | 84. Z-5725 | Needle position selector (compl.) | 85. Z-5725 | Needle position selector dial | 86. Z-5725 | Needle position selector (2) | 87. Z-5725 | Needle position selector dial | 88. Z-5725 | Needle position selector set screw | 89. Z-5725 | Needle position selector (2) | 90. Z-5725 | Needle position selector dial | 91. Z-5725 | Needle position selector (2) | 92. Z-5725 | Needle position selector dial | 93. Z-1262 | Buttonholder feed lever adjusting screw | 94. Z-5761 | Zigzag width lever | 95. Z-5675 | Zigzag width link step screw | 96. H-1363 | Zigzag width lever adjuster | 97. Z-5640 | Buttonholder zigzag width | 98. Z-1273 | Zigzag width link step screw | 99. Z-5632 | Needle bar drive rod spring | 100. Z-6181 | Cam contact shaft collar | 101. Z-1175 | Cam contact shaft set screw (2 pces.) | 102. Z-5722 | Cam contact shaft fastening screw (1) |
|-----------|-----------|-----------------------------|------------|-----------------------------|------------|-----------------|------------|-----------------------------|------------|-----------------------------|------------|------------------|------------|-----------------|------------|--------------------|------------|---------------------------------------|------------|---------------------------|------------|---------------------------------|------------|--------------------------------|------------|---------------------------|------------|------------------------|------------|----------------------------|------------|--------------------------|------------|---------------------------|------------|---------------------------|------------|---------------------------|------------|---------------------------------|------------|---------------------------------|------------|-----------------------|------------|---------------------------|------------|---------------------------------|------------|---------------------------------|------------|----------------------------|------------|------------------------|------------|--------------------|------------|---------------------------------|------------|-----------------------------|------------|------------------------------------|------------|---------------------------------|------------|---------------------------------|------------|------------------------------------|------------|---------------------------------|------------|---------------------------------|------------|------------------------------------|------------|---------------------------|------------|---------------------------|------------|-----------------------------------|------------|------------------|------------|------------------|------------|------------------------|------------|--------------------------------|------------|-----------------------|------------|------------------------------|------------|-------------------------------|------------|---------------------------------------|------------|-------------------------------|------------|------------------------------|------------|-------------------------------|------------|------------------------------|------------|------------------------------------|------------|------------------------------|------------|-------------------------------|------------|-------------------------|------------|------------------------|------------|-------------------------------|------------|--------------------------------------|------------|----------------------------|------------|--------------------------------------|------------|---------------------------|------------|-------------------------------------|------------|-----------------------------------|------------|-----------------------|------------|------------------------------|------------|---------------------------|------------|-------------------|------------|------------------|------------|--------------------------|------------|------------------------|------------|-----------------------------------|------------|---------------|------------|-------------------------------|------------|--|------------|-----------------------------------|------------|-------------------------------|------------|------------------------------|------------|-------------------------------|------------|------------------------------------|------------|------------------------------|------------|-------------------------------|------------|------------------------------|------------|-------------------------------|------------|---|------------|--------------------|------------|------------------------------|------------|-----------------------------|------------|---------------------------|------------|------------------------------|------------|-----------------------------|-------------|--------------------------|-------------|---------------------------------------|-------------|---------------------------------------|

|     |           |   |                   |        |                                   |  |
|-----|-----------|---|-------------------|--------|-----------------------------------|--|
| 1.  | Z-6314    | Parked rod                                | Reverse lever (1) | 67.    | Z-6132                            | Beet cover (1) (2) set screw<br>(3 pcs.) |
| 2.  | Z-6083    | Parked rod pin                            | 26.               | Z-6015 | Reverse lever (1)                 |  |
| 3.  | H-1174    | Parked rod pin set screw                  | 27.               | L-4124 | Reverse lever pin set screw       |  |
| 4.  | H-1163    | Crank connecting rod (spaced<br>(2 pcs.)) | 28.               | Z-6047 | Reverse lever pin set screw       | 68. E-1010 Motor cover                   |
| 5.  | H-1383    | Crank connecting rod set screw            | 29.               | Z-6192 | Reverse lever (2) set ring        |  |
| 6.  | H-1165    | Crank connecting rod spacer               | 30.               | Z-6021 | Reverse setting button            | 70. E-1013 Motor bracket                 |
| 7.  | H-1154    | Crank connecting rod tapered              | 31.               | Z-6023 | Reverse setting button supports   | 72. E-1052 Motor bracket clamping screw  |
| 8.  | Z-8359    | Screw nut                                 | 32.               | Z-6022 | Reverse setting button spring     | 73. E-1023 Bolt                          |
| 9.  | H-1242    | Crank connecting rod crank                | 33.               | L-4026 | Reverse setting button supports   | 74. Crimp retainer plate                 |
| 10. | Z-6007    | Screw set                                 | 34.               | Z-6007 | Reverse setting button set        | 75. Crimp retainer plate (2)             |
| 11. | Z-6003    | Feed regulating rod                       | 35.               | Z-6050 | Drop feed (compl.)                | 76. Crimp retainer (compl.)              |
| 12. | Z-6005    | Feed adjusting nut                        | 36.               | Z-6055 | Drop feed supporting plate set    | 77. Crimp retainer washer (2 pcs.)       |
| 13. | Z-6045    | Feed interlocking rod spring              | 37.               | L-4055 | Drop feed supporting plate        |  |
| 14. | Z-6009    | Feed adjusting stopper washer             | 38.               | Z-5957 | Drop feed connecting bar          | 78. E-1019 Motor cover set screw (1)     |
| 15. | Z-6151    | Feed adjusting lock nut                   | 39.               | Z-5193 | Drop feed connecting bar          | 79. Z-6192 Motor cover set screw (1)     |
| 16. | Z-5934    | Reverse setting                           | 40.               | Z-6215 | Drops feed connecting bar set     | 80. Z-6041 Motor cover set screw         |
| 17. | Z-5935    | Reverse spring holder                     | 41.               | Z-6217 | Drops feed connecting bar         | 81. E-1012 Motor bracket clamping screw  |
| 18. | Z-5610    | Feed regulator plate (compl.)             | 42.               | Z-6218 | Drops feed connecting bar         | 82. E-1015 Motor cover set screw         |
| 19. | Z-22-5512 | Reverse link                              | 43.               | Z-5318 | Drop feed regulating crank        | 83. E-1016 Motor bracket                 |
| 20. | Z-6013    | Feed regulator plate adjustment           | 44.               | Z-5319 | Drop feed regulating crank        | 84. E-1017 Motor bracket                 |
| 21. | H-1262    | Feed regulator plate adjusting            | 45.               | Z-5126 | Drop feed regulating crank        | 85. E-1018 Motor bracket                 |
| 22. | Z-5143    | Screw tail                                | 46.               | Z-5890 | Stretch card (compl.)             | 86. E-1019 Motor bracket                 |
| 23. | Z-5506    | Feed regulator lever washer               | 47.               | Z-5892 | Stretch card (compl.)             | 87. E-1019 Motor bracket                 |
| 24. | Z-5630    | Feed regulation dial                      | 48.               | Z-6055 | Drop feed (2 pcs.)                | 88. E-1019 Motor bracket                 |
| 25. | L-6042    | Feed regulator dial set screw             | 49.               | E-1140 | Motor (compl.) (RZCAB-177)        | 89. E-1140 Motor (compl.) (RZCAB-177)    |
| 26. | Z-6691    | Feed regulating cam set screw             | 50.               | L-4036 | Switch bracket set screw (2 pcs.) |  |
| 27. | Z-6691    | Feed regulating cam set screw             | 51.               | Z-6699 | Switch bracket set screw          |  |
| 28. | Z-5941    | Feed regulator shaft set washer           | 52.               | Z-5937 | Rubber bushings                   |  |
| 29. | Z-5908    | Feed regulator shaft set washer           | 53.               | L-4036 | Card holder (2) set screw         |  |
| 30. | Z-5349    | Feed regulating spring                    | 54.               | Z-5938 | Black cover plate set screw       |  |
| 31. | Z-5653    | Feed regulating stopper (1)               | 55.               | Z-5941 | Black cover (1) (RZCAB-177)       |  |
| 32. | Z-5654    | Feed regulating stopper                   | 56.               | Z-5941 | Black cover (2)                   |  |
| 33. | Z-6348    | Feed regulating stopper (4)               | 57.               | Z-5941 | Black cover (2)                   |  |
| 34. | Z-6361    | Feed regulating stopper                   | 58.               | Z-5941 | Black cover (2) (RZCAB-177)       |  |

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|        |                                       |                                       |        |   |                                 |  |
|--------|---------------------------------------|---------------------------------------|--------|---|---------------------------------|--|
| Z-6352 | Feed rock shaft crank                 | 27.                                   | H-1063 | Oscillating shaft collar set screw      |                                 |  |
| Z-5940 | Feed rock shaft (compl.)              | 28.                                   | Z-6362 | Oscillating shaft bushing (1)           | (2 pcs.)                        |  |
| Z-1243 | Feed rock shaft crank set screw       | 29.                                   | H-1069 | Oscillating shaft bushing (1)           | (1) set screw                   |  |
| Z-5942 | Feed bar                              | 30.                                   | Z-6365 | Oscillating shaft gear <b>G6365</b>     |                                 |  |
| Z-5943 | Feed bar shaft                        | 31.                                   | Z-6572 | Oscillating shaft gear set screw        |                                 |  |
| H-1174 | Feed bar shaft set screw (2 pcs.)     | 32.                                   | H-1063 | Oscillating shaft gear set screw        |                                 |  |
| Z-6047 | Feed bar shaft set ring               | 33.                                   | Z-6383 | Shuttle driver shaft bushing            |                                 |  |
| L-6115 | Center bar (1)                        | 34.                                   | Z-6381 | Shuttle driver shaft gear <b>A/L-A</b>  |                                 |  |
| L-6116 | Center bar (2)                        | 35.                                   | Z-1154 | Shuttle driver shaft gear set screw (1) |                                 |  |
| H-1069 | Center bar set screw (2 pcs.)         | 36.                                   | Z-6388 | Shuttle driver shaft gear set screw (2) |                                 |  |
| Z-2373 | Feed bar spring                       | 37.                                   | Z-6401 | Open shuttle race holder collar         |                                 |  |
| Z-6367 | Feed lifting rock crank fork          | 38.                                   | Z-1154 | Open shuttle race holder set screw (1)  |                                 |  |
| H-1383 | Feed lifting rock crank fork          | 39.                                   | Z-6390 | Open shuttle race (compl.)              |                                 |  |
| Z-6503 | Feed lifting regulator bar (with pin) | 40.                                   | H-1069 | Open shuttle race set screw (1)         |                                 |  |
| Z-6605 | Feed lifting regulator bar spring     | 41.                                   | Z-2379 | Open shuttle race set screw (2)         |                                 |  |
| Z-2374 | Feed lifting rock crank               | 42.                                   | Z-6382 | Shuttle driver (compl.)                 |                                 |  |
| H-1383 | Feed lifting rock crank fork          | 43.                                   | Z-1389 | Shuttle hook                            |                                 |  |
| Z-2252 | Feed lifting rock crank fork          | 44.                                   | Z-6393 | Shuttle hook holder                     |                                 |  |
|        |                                       | 45.                                   | H-1229 | Bobbins                                 |                                 |  |
|        |                                       | 46.                                   | Z-6450 | Bobbins case                            |                                 |  |
| 20.    | Z-6369                                | Feed lifting rock crank pin           | 47.    | Z-2376                                  | Gear box cap (1)                |  |
| 21.    | H-1069                                | Feed lifting rock crank pin set screw | 48.    | L-4036                                  | Gear box cap set screw (4 pcs.) |  |
| 22.    | Z-6363                                | Oscillating shaft bushing (2)         | 49.    | Z-2377                                  | Gear box cap packing            |  |
| 23.    | Z-6361                                | Oscillating shaft                     | 50.    | Z-6385                                  | Gear box cap (2)                |  |
| 24.    | Z-6366                                | Feed lifting cam                      | 51.    | H-1159                                  | Hinge set screw (2 pcs.)        |  |
| 25.    | H-1068                                | Feed lifting cam set screw (2 pcs.)   |        |   |                                 |  |
| 26.    | Z-5364                                | Oscillating shaft collar              |        |   |                                 |  |