

# **PARTS BOOK**

**FOR**

## **BROTHER DB2-B763**



**Semi High Speed Straight Lock Stitch**

**BROTHER INDUSTRIES, LTD.**



## Notes for using this Parts book

1. If the symbol  is found in the "Parts No." column or the "Assembly No." column, refer to the separate parts list on page 7.
2. The symbol  in the "Parts No." column indicates that the part is not available for supply. If, however, there is a number in the "Assembly No." column, the part can be ordered as an assembly. Please, therefore, order by using the Assembly No..
3. This book was prepared based on information available in May, 1978.
4. Parts are subject to changes in design without prior notice.

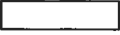
## Anmerkungen zum Gebrauch dieses Stücklistebuches

1. Dieses Zeichen  in der Spalte "Parts No. (Teilnummer)" oder "Assembly No. (Gerätesatznummer)" verweist auf die Gesonderte Stückliste auf Seite 7.
2. Dieses Zeichen  in der Spalte "Teilnummer" bedeutet, daß dieser Teil nicht lieferbar ist. Wenn jedoch in der Spalte "Gerätesatznummer" eine Nummer steht, kann dieser Teil als ein Geräteteilsatz bestellt werden. Bestellen Sie daher bitte mit dieser Gerätesatznummer.
3. Dieses Buch basiert auf den Informationen vom Mai, 1978.
4. Modelländerungen sind vorbehalten.

## Notes sur l'utilisation de ce manuel de pièces détachées

1. Si le symbole  se trouve dans la colonne "Parts No. (N° de pièce)" ou dans la colonne "Assembly No. (N° jeu de pces)", veuillez vous référer à la liste de pièces annexe page 7.
2. Le symbole  dans la colonne "N° de pièce" signifie que la pièce ne peut être fournie. Si, dans la colonne "N° jeu de pces", il y a un numéro de nomenclature, la pièce peut être commandée comme faisant partie d'un jeu de pièces. Donc, pour toute commande, veuillez spécifier le n° du jeu de pièces.
3. Ce manuel a été fait d'après les renseignements valables au mois de Mai, 1978.
4. Les pièces peuvent être sujettes à des modifications sans préavis.

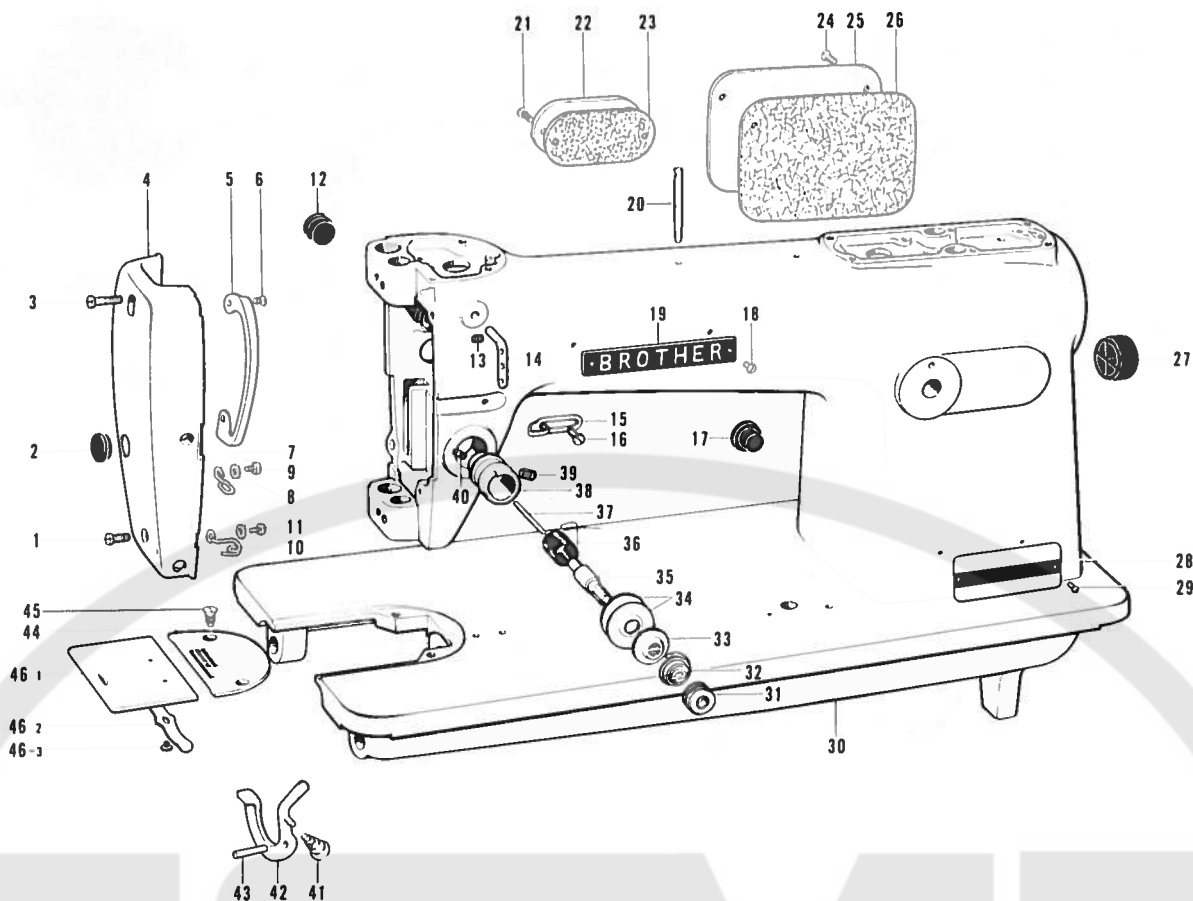
## Notas para usar este Libro de Piezas

1. De haber un símbolo  junto al "Parts No. (Número de Pieza)" o en la columna del "Assembly No. (Número de Juego)", habrá que mirar la lista de piezas separada de la página 7.
2. El símbolo , que se encuentra en la columna del "Número de Pieza", quiere decir que no se dispone de dicha pieza sola. Cuando, empero, hay un número en la columna del "Numero de Juego", se podrá ordenar la pieza con todo el juego. Por lo tanto, será mejor hacer el pedido recurriendo al número del juego respectivo.
3. Este libro ha sido compilado basándose en los datos de que se disponía en Mago de 1978.
4. Las piezas quedan sujetas a cambios de diseño sin aviso previo.

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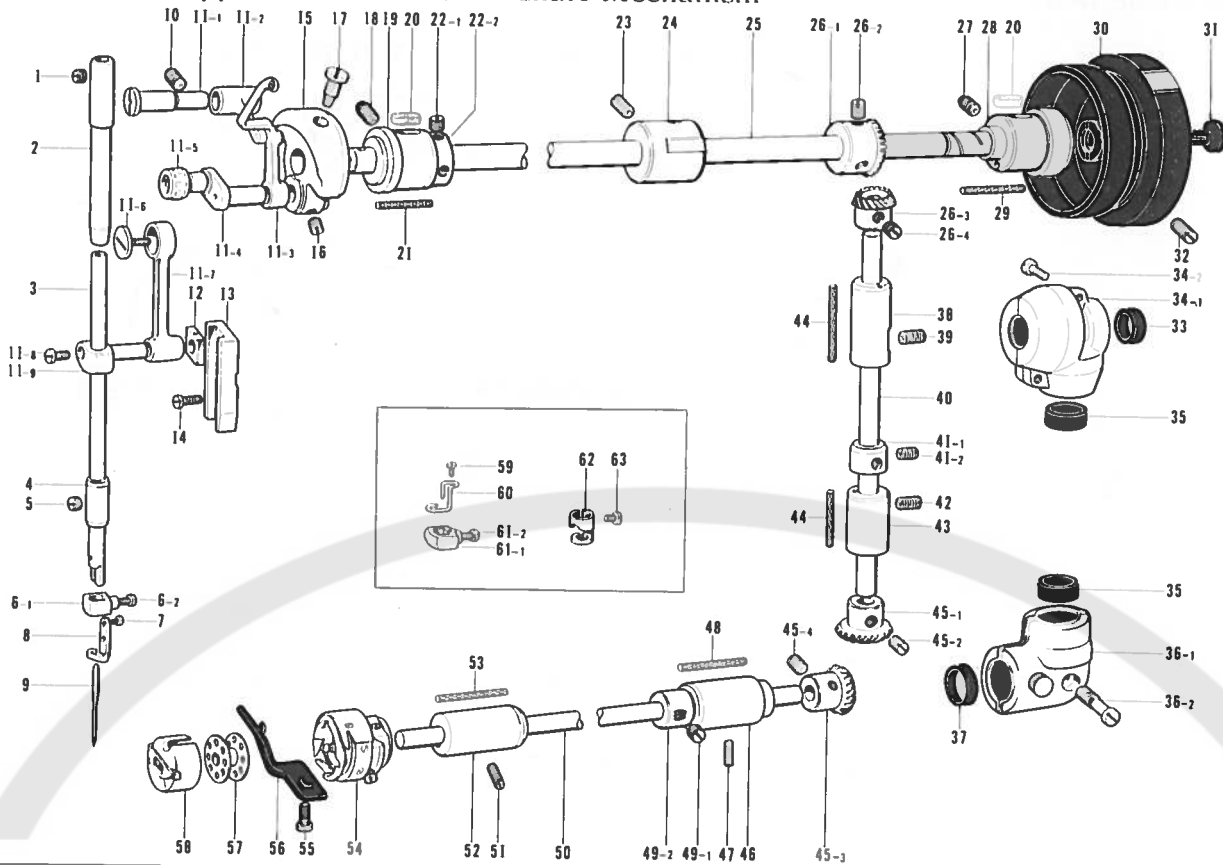
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## A. Machine Body



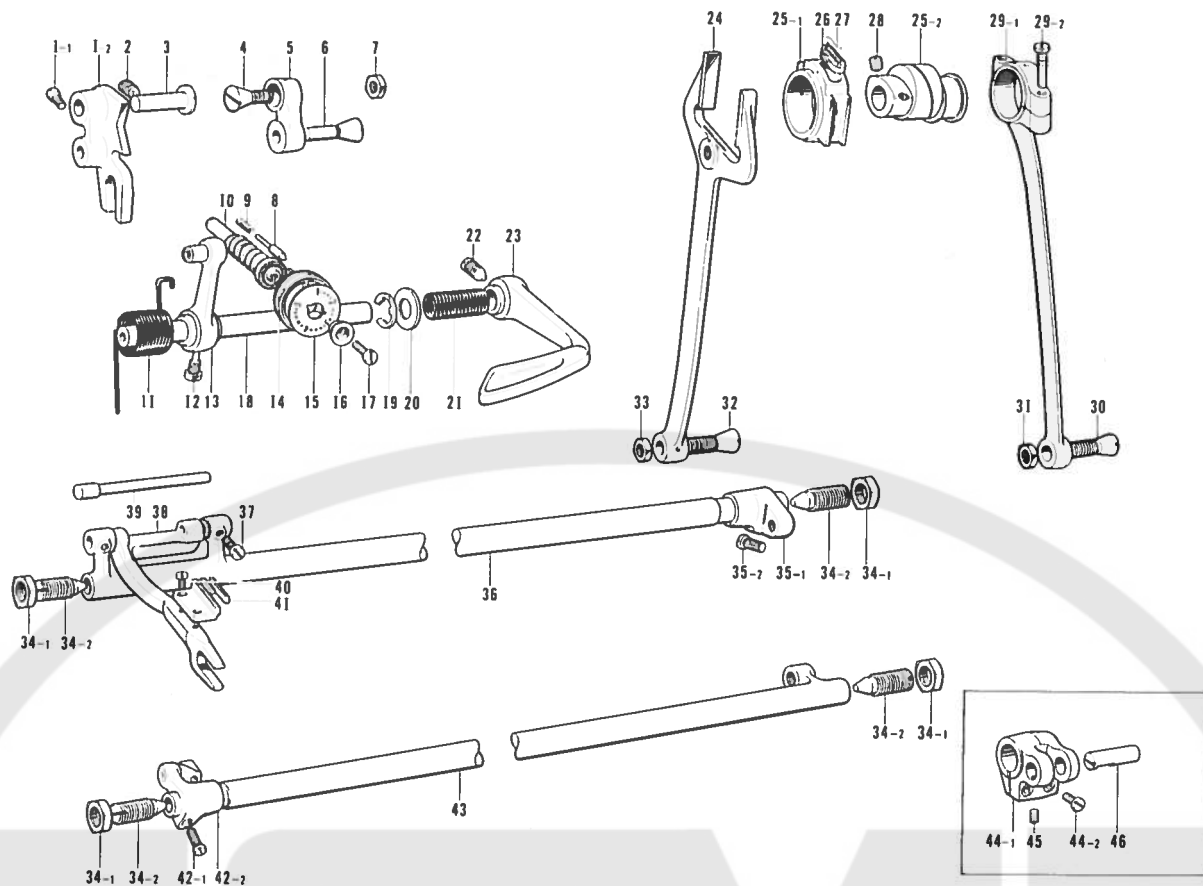
| Ref. No. | Name of Parts                 | Q'ty | Parts No.   | Assembly No. | Ref. No. | Name of Parts                | Q'ty | Parts No.   | Assembly No.                                   |
|----------|-------------------------------|------|-------------|--------------|----------|------------------------------|------|-------------|------------------------------------------------|
| A-1      | Screw                         | 1    | 009671-0-13 |              | A-25     | Side Cover                   | 1    | 116980-0-01 |                                                |
| A-2      | Cap                           | 1    | 115280-0-01 |              | A-26     | Packing                      | 1    | 116981-0-00 |                                                |
| A-3      | Screw                         | 1    | 009671-4-13 |              | A-27     | Oil Cap                      | 1    | 104451-0-01 |                                                |
| A-4      | Face Plate                    | 1    | 116997-0-01 |              | A-28     | Model Plate                  | 1    |             |                                                |
| A-5      | Thread Tack-up Cover          | 1    | 117185-0-01 |              | A-29     | Pin                          | 2    |             |                                                |
| A-6      | Screw                         | 2    | 403459-0-01 |              | A-30     | Arm Bed                      | 1    |             |                                                |
| A-7      | Thread Guide Upper            | 1    | 116963-0-01 |              | A-31     | Nut                          | 1    | 100136-0-01 |                                                |
| A-8      | Washer                        | 2    | 025630-2-32 |              | A-32     | Tension Spring               | 1    | 100401-0-01 |                                                |
| A-9      | Screw                         | 1    | 009630-6-12 |              | A-33     | Tension Disc Washer          | 1    | 100134-0-01 |                                                |
| A-10     | Face Plate Thread Guide Lower | 1    | 116964-0-01 |              | A-34     | Tension Disc                 | 2    | 145446-0-01 |                                                |
| A-11     | Screw                         | 1    | 009630-6-12 |              | A-35     | Tension Stud                 | 1    | 100398-0-01 |                                                |
| A-12     | Oil Cap                       | 1    | 104449-0-01 |              | A-36     | Thread Tack-up Spring        | 1    | 100399-0-01 |                                                |
| A-13     | Screw                         | 1    | 013680-6-12 |              | A-37     | Tension Release Pin          | 1    | 100537-0-00 |                                                |
| A-14     | Thread Retainer               | 1    | 114931-0-01 |              | A-38     | Screw                        | 1    | 103950-0-02 |                                                |
| A-15     | Arm Thread Guide              | 1    | 113316-0-01 |              | A-39     | Tension Bracket              | 1    | 145250-0-01 |                                                |
| A-16     | Screw                         | 1    | 009670-6-14 |              | A-40     | Screw                        | 1    | 100402-0-04 |                                                |
| A-17     | Oil Cap                       | 1    | 104821-0-01 |              | A-41     | Tension Release Lever Spring | 1    | 100405-0-01 |                                                |
| A-18     | Screw                         | 2    |             |              | A-42     | Tension Release Lever        | 1    | 113547-0-01 |                                                |
| A-19     | Name Plate "BROTHER"          | 1    |             |              | A-43     | Taper Pin                    | 1    | 100404-0-00 |                                                |
| A-20     | Spool Pin                     | 1    | 100386-0-01 |              | A-44     | Needle Plate                 | 1    |             |                                                |
| A-21     | Screw                         | 2    | 102538-0-06 |              | A-45     | Screw                        | 2    | 100032-0-03 |                                                |
| A-22     | Rear Cover                    | 1    | 117672-0-01 |              | A-46-1   | Slide Plate                  | 1    |             | A-46<br>Slide Plate<br>Assembly<br>118289-0-01 |
| A-23     | Packing                       | 1    | 117673-0-00 |              | A-46-2   | Slide Plate Spring           | 1    | 114561-0-01 |                                                |
| A-24     | Screw                         | 3    | 102538-0-06 |              | A-46-3   | Screw                        | 2    | 122771-0-01 |                                                |

## B. Needle Bar, Upper shaft and Lower shaft Mechanism



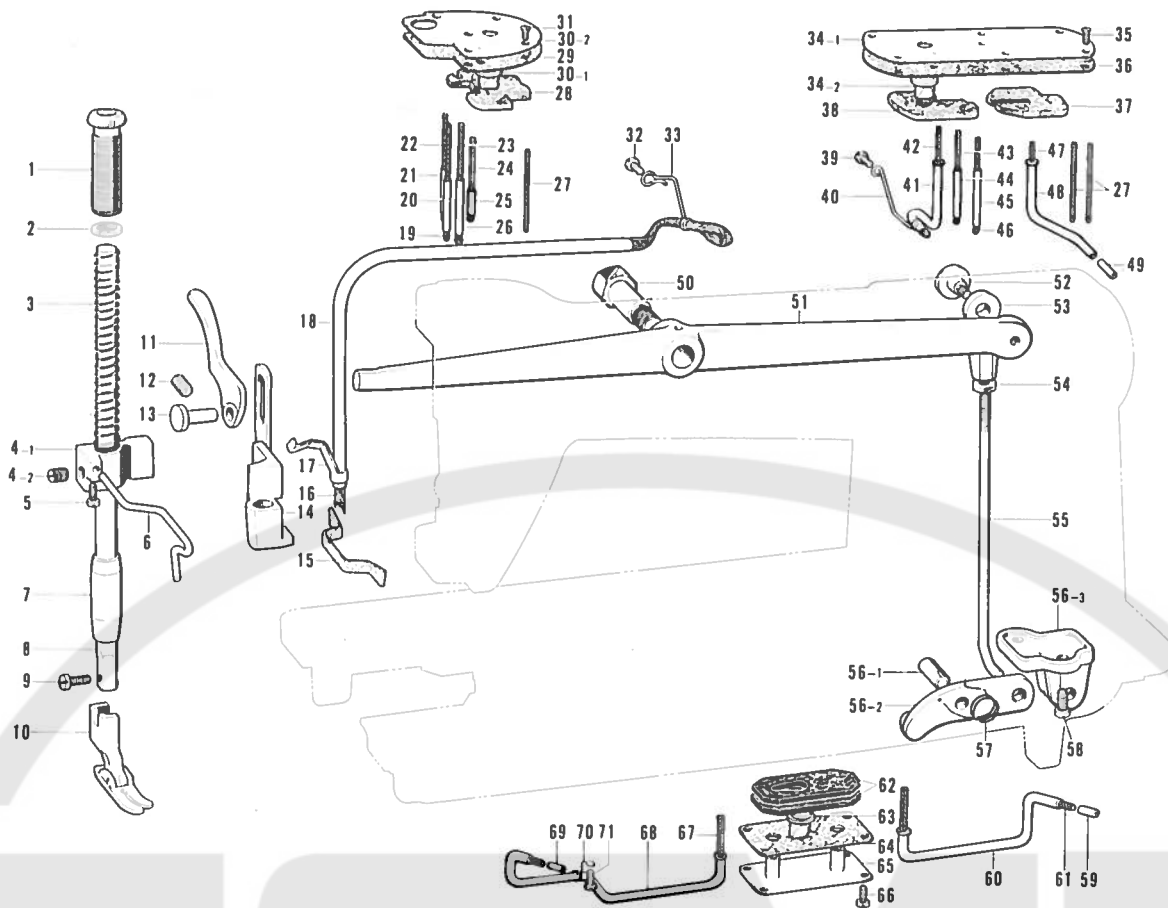
| Ref. No. | Name of Parts                     | Q'ty | Parts No.   | Assembly No.                          | Ref. No. | Name of Parts                       | Q'ty | Parts No.   | Assembly No.                                    |
|----------|-----------------------------------|------|-------------|---------------------------------------|----------|-------------------------------------|------|-------------|-------------------------------------------------|
| B-1      | Screw                             | 1    | 100260-0-01 |                                       | B-33     | Oil Seal Right                      | 1    | 103738-0-01 |                                                 |
| B-2      | Needle Bar Bushing Upper          | 1    |             |                                       | B-34-1   | Bevel Gear Case Upper               | 1    |             | B-34 Bevel Gear Case Upper Assembly 140381-0-01 |
| B-3      | Needle Bar                        | 1    |             |                                       | B-34-2   | Screw                               | 2    | 100320-0-02 |                                                 |
| B-4      | Needle Bar Bushing Lower          | 1    |             |                                       | B-35     | Seal                                | 2    | 103796-0-01 |                                                 |
| B-5      | Screw                             | 1    | 100260-0-01 |                                       | B-36-1   | Bevel Gear Case Lower               | 1    |             | B-36 Lower Gear Case D Assembly 118298-0-01     |
| B-6-1    | Needle Clamp                      | 1    |             | B-6 Needle Clamp Assembly             | B-36-2   | Screw                               | 1    | 100343-0-01 |                                                 |
| B-6-2    | Screw                             | 1    | 118521-0-01 |                                       | B-37     | Oil Seal                            | 1    | 103797-0-01 |                                                 |
| B-7      | Screw                             | 1    |             |                                       | B-38     | Vertical Shaft Upper Bushing        | 1    | 146363-0-00 |                                                 |
| B-8      | Needle Bar Thread Guide           | 1    |             |                                       | B-39     | Screw                               | 1    | 013760-6-10 |                                                 |
| B-9      | Needle                            | 1    |             |                                       | B-40     | Vertical Shaft                      | 1    | 144555-0-01 |                                                 |
| B-10     | Screw                             | 1    | 013761-0-10 |                                       | B-41-1   | Set Collar                          | 1    |             | B-41 Vertical Shaft Collar Assembly 118759-0-01 |
| B-11-1   | Stud for Thread Tack-up Supporter | 1    |             |                                       | B-41-2   | Screw                               | 2    | 101706-0-01 |                                                 |
| B-11-2   | Link Tack-up Supporter            | 1    |             |                                       | B-42     | Screw                               | 1    | 013761-4-10 |                                                 |
| B-11-3   | Thread Tack-up Lever              | 1    |             |                                       | B-43     | Vertical Shaft Lower Bushing        | 1    | 146364-0-00 |                                                 |
| B-11-4   | Needle Bar Crank                  | 1    |             |                                       | B-44     | Wick                                | 2    | 114240-0-01 |                                                 |
| B-11-5   | Needle Roller Bearing             | 1    |             |                                       | B-45-1   | Gear                                | 1    |             |                                                 |
| B-11-6   | Screw                             | 1    | 145465-0-01 |                                       | B-45-2   | Screw                               | 2    | 013770-7-10 |                                                 |
| B-11-7   | Needle Bar Crank Rod              | 1    |             |                                       | B-45-3   | Gear                                | 1    |             | B-45 Lower Shaft Gear Assembly 118296-0-01      |
| B-11-8   | Screw                             | 1    | 140004-0-01 |                                       | B-45-4   | Screw                               | 2    | 013770-7-10 |                                                 |
| B-11-9   | Needle Bar Clamp                  | 1    |             |                                       | B-46     | Lower Shaft Bushing Right           | 1    | 144559-0-00 |                                                 |
| B-12     | Needle Bar Guide Slide Block      | 1    | 102630-0-01 |                                       | B-47     | Screw                               | 1    | 011681-2-12 |                                                 |
| B-13     | Needle Bar Guide                  | 1    | 116950-0-00 |                                       | B-48     | Wick                                | 1    | 118450-0-01 |                                                 |
| B-14     | Screw                             | 2    | 009670-6-12 |                                       | B-49-1   | Screw                               | 2    | 101706-0-03 | B-49 Set Collar Assembly 118299-0-01            |
| B-15     | Thread Tack-up Crank              | 1    |             |                                       | B-49-2   | Set Collar                          | 1    |             |                                                 |
| B-16     | Screw                             | 2    | 013770-7-10 |                                       | B-50     | Lower Shaft                         | 1    | 100351-0-01 |                                                 |
| B-17     | Screw                             | 1    | 104464-0-01 |                                       | B-51     | Screw                               | 1    | 011681-2-12 |                                                 |
| B-18     | Screw                             | 1    | 013761-4-10 |                                       | B-52     | Lower Bushing Left                  | 1    | 144558-0-00 |                                                 |
| B-19     | Upper Shaft Bushing Left          | 1    | 144552-0-00 |                                       | B-53     | Wick                                | 1    | 117007-0-01 |                                                 |
| B-20     | Felt                              | 2    | 100248-0-01 |                                       | B-54     | Rotary Hook                         | 1    |             |                                                 |
| B-21     | Wick                              | 1    | 108808-0-01 |                                       | B-55     | Screw                               | 1    | 009681-0-12 |                                                 |
| B-22-1   | Screw                             | 2    | 013770-7-10 |                                       | B-56     | Bobbin Case Holder Position Bracket | 1    | 100367-0-01 |                                                 |
| B-22-1   | Collar                            | 1    |             | B-22 Pulley Bush Assembly 118371-0-01 | B-57     | Bobbin                              | 1    | 117132-0-01 |                                                 |
| B-23     | Screw                             | 1    | 013761-4-10 |                                       | B-58     | Bobbin Case                         | 1    | 100369-0-01 |                                                 |
| B-24     | Upper Shaft Bushing Middle        | 1    | 116947-0-00 |                                       | B-59     | Screw                               | 1    |             |                                                 |
| B-25     | Upper Shaft                       | 1    | 144551-0-01 |                                       | B-60     | Needle Bar Thread Guide             | 1    |             |                                                 |
| B-26-1   | Gear                              | 1    |             |                                       | B-61-1   | Needle Clamp                        | 1    |             |                                                 |
| B-26-2   | Screw                             | 2    | 013770-7-10 |                                       | B-61-2   | Screw                               | 1    | 114928-0-01 | B-61 Needle Clamp Assembly                      |
| B-26-3   | Gear                              | 1    |             | B-26 Gear Assembly 140378-0-01        | B-62     | Needle Bar Thread Guide             | 1    |             |                                                 |
| B-26-4   | Screw                             | 2    | 013770-7-10 |                                       | B-63     | Screw                               | 1    |             |                                                 |
| B-27     | Screw                             | 1    | 013760-6-10 |                                       |          |                                     |      |             |                                                 |
| B-28     | Upper Shaft Bushing Right         | 1    | 144554-0-00 |                                       |          |                                     |      |             |                                                 |
| B-29     | Wick                              | 1    | 108808-0-01 |                                       |          |                                     |      |             |                                                 |
| B-30     | Pulley                            | 1    |             |                                       |          |                                     |      |             |                                                 |
| B-31     | Screw                             | 1    | 104478-0-01 |                                       |          |                                     |      |             |                                                 |
| B-32     | Screw                             | 2    | 013761-4-10 |                                       |          |                                     |      |             |                                                 |

## C. Feed Mechanism



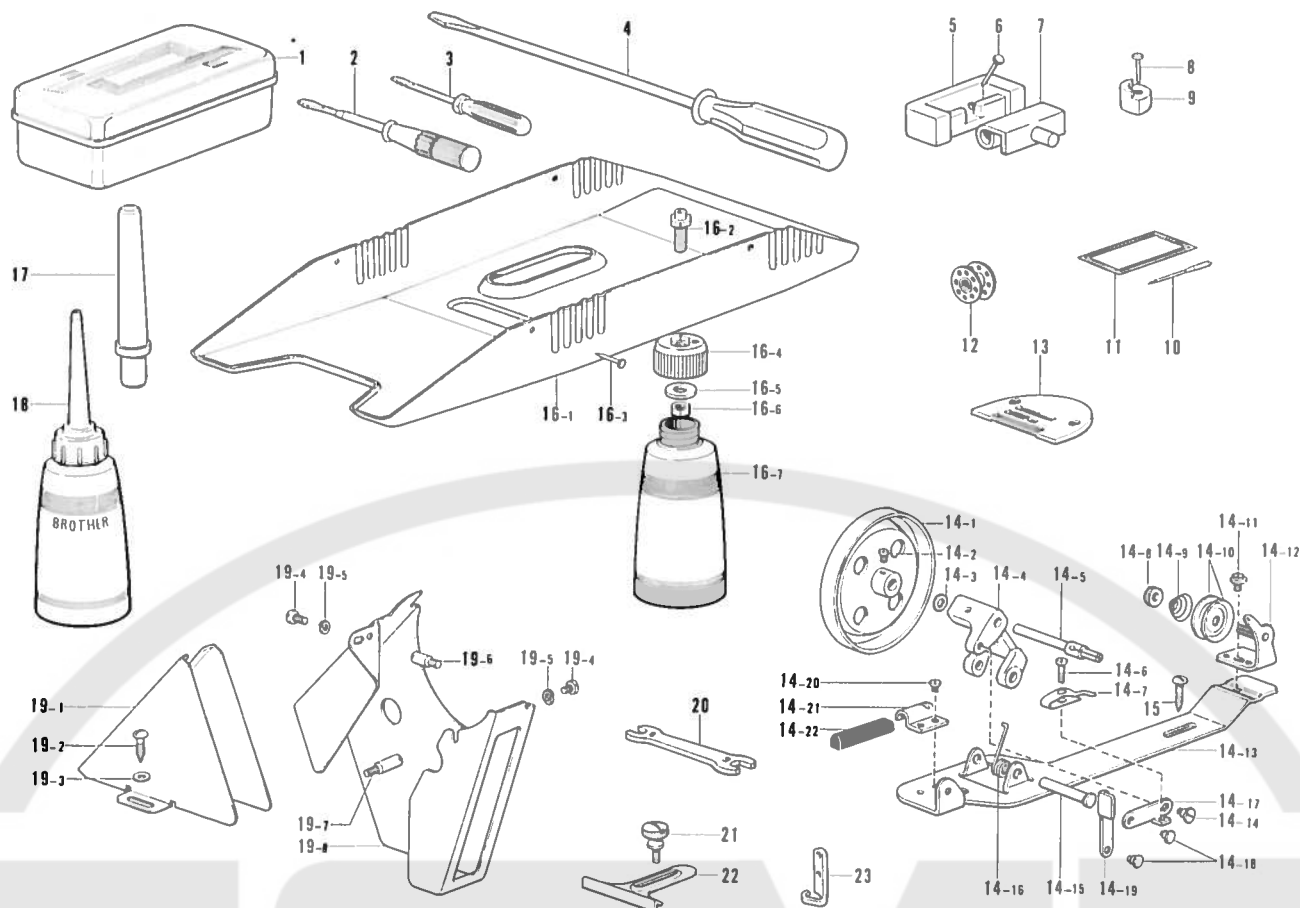
| Ref. No. | Name of Parts              | Q'ty | Parts No.   | Assembly No.                                 | Ref. No. | Name of Parts           | Q'ty | Parts No.   | Assembly No.                                        |
|----------|----------------------------|------|-------------|----------------------------------------------|----------|-------------------------|------|-------------|-----------------------------------------------------|
| C-1-1    | Screw                      | 1    | 102627-0-01 | C-1<br>Feed Regulator<br>with Screw          | C-30     | Screw                   | 1    | 100310-0-01 |                                                     |
| C-1-2    | Feed Regulator             | 1    |             |                                              | C-31     | Nut                     | 1    | 104689-0-01 |                                                     |
| C-2      | Screw                      | 1    | 013781-0-12 |                                              | C-32     | Screw                   | 1    |             |                                                     |
| C-3      | Stud                       | 1    | 111491-0-01 |                                              | C-33     | Nut                     | 1    |             |                                                     |
| C-4      | Screw                      | 1    | 100310-0-01 |                                              | C-34-1   | Nut                     | 4    | 100075-0-04 | C-34<br>Center Screw<br>with Nut<br>180987-0-01     |
| C-5      | Feed Regulator Link        | 1    |             |                                              | C-34-2   | Center Screw            | 4    |             |                                                     |
| C-6      | Taper Hinge                | 1    | 100312-0-01 |                                              | C-35-1   | Feed Rock Shaft Arm     | 1    |             | C-35<br>Feed Rock<br>Shaft Arm<br>with Screw        |
| C-7      | Nut                        | 1    | 104689-0-01 |                                              | C-35-2   | Screw                   | 1    | 009681-2-12 |                                                     |
| C-8      | Pin                        | 1    | 100327-0-01 |                                              | C-36     | Feed Rock Shaft         | 1    | 116992-0-01 |                                                     |
| C-9      | Spring                     | 1    | 100328-0-01 |                                              | C-37     | Screw                   | 2    | 104908-0-01 |                                                     |
| C-10     | Screw                      | 1    | 100322-0-01 |                                              | C-38     | Feed Bar                | 1    | 116993-0-01 |                                                     |
| C-11     | Feed Regulator Spring      | 1    | 116956-0-01 |                                              | C-39     | Feed Bar Shaft          | 1    | 116957-0-01 |                                                     |
| C-12     | Bolt                       | 1    | 108749-0-01 |                                              | C-40     | Screw                   | 2    | 100080-0-03 |                                                     |
| C-13     | Feed Regu                  | 1    | 116953-0-01 |                                              | C-41     | Feed Dog                | 1    |             |                                                     |
| C-14     | Length Control Dial        | 1    | 142483-0-01 |                                              | C-42-1   | Screw                   | 1    | 009681-6-12 | C-42<br>Feed Lifting<br>Arm Assembly<br>181562-0-01 |
| C-15     | Length Control Plate       | 1    | 142484-0-01 |                                              | C-42-2   | Feed Lifting Arm        | 1    |             |                                                     |
| C-16     | Washer                     | 1    | 142746-0-01 |                                              | C-43     | Feed Lifting Rock Shaft | 1    | 116995-0-01 |                                                     |
| C-17     | Screw                      | 1    | 142747-0-01 |                                              | C-44-1   | Feed Rock Shaft Arm     | 1    |             | C-44<br>Feed Rock<br>Shaft Arm<br>with Screw        |
| C-18     | Feed Regulator Lever Shaft | 1    | 146365-0-01 |                                              | C-44-2   | Screw                   | 2    | 009681-4-13 |                                                     |
| C-19     | Stop Ring                  | 1    | 048080-3-42 |                                              | C-45     | Screw                   | 1    |             |                                                     |
| C-20     | Washer                     | 1    | 025100-1-30 |                                              | C-46     | Feed Rock Shaft Arm Pin | 1    |             |                                                     |
| C-21     | Collar                     | 1    | 141190-0-01 |                                              |          |                         |      |             |                                                     |
| C-22     | Screw                      | 1    | 015771-0-12 |                                              |          |                         |      |             |                                                     |
| C-23     | Reverse Lever              | 1    | 108540-0-01 |                                              |          |                         |      |             |                                                     |
| C-24     | Feed Forked Connector      | 1    |             |                                              |          |                         |      |             |                                                     |
| C-25-1   | Sleeve                     | 1    |             | C-25<br>Feed Cam<br>Sleeve<br>Assembly       |          |                         |      |             |                                                     |
| C-25-2   | Feed Cam                   | 1    |             |                                              |          |                         |      |             |                                                     |
| C-26     | Felt                       | 1    | 106442-0-01 |                                              |          |                         |      |             |                                                     |
| C-27     | Felt Wipe                  | 1    | 106440-0-00 |                                              |          |                         |      |             |                                                     |
| C-28     | Screw                      | 2    | 013760-8-10 |                                              |          |                         |      |             |                                                     |
| C-29-1   | Crank Rod                  | 1    |             | C-29<br>Crank Rod<br>Assembly<br>118293-0-01 |          |                         |      |             |                                                     |
| C-29-2   | Screw                      | 2    | 107428-0-01 |                                              |          |                         |      |             |                                                     |

#### D. Lubrication and Presser Foot Mechanism



| Ref. No. | Name of Parts                    | Q'ty | Parts No.   | Assembly No.                                             | Ref. No.                   | Name of Parts    | Q'ty        | Parts No.   | Assembly No.                                  |
|----------|----------------------------------|------|-------------|----------------------------------------------------------|----------------------------|------------------|-------------|-------------|-----------------------------------------------|
| D-1      | Screw                            | 1    | 100279-1-01 | D-4<br>Presser Bar<br>Clamp with<br>Screw<br>118290-0-01 | D-35                       | Screw            | 6           | 102538-0-06 | D-56<br>Lever Pawl<br>Assembly<br>143868-0-01 |
| D-2      | Washer                           | 1    | 141099-0-01 |                                                          | D-36                       | Packing          | 1           | 116979-0-01 |                                               |
| D-3      | Presser Spring                   | 1    | 144748-0-01 |                                                          | D-37                       | Felt A           | 1           | 117009-0-01 |                                               |
| D-4-1    | Presser Bar Clamp                | 1    |             |                                                          | D-38                       | Felt B           | 1           | 117010-0-01 |                                               |
| D-4-2    | Screw                            | 1    | 013760-8-10 |                                                          | D-39                       | Screw            | 1           | 001670-6-12 |                                               |
|          |                                  |      |             |                                                          | D-40                       | Tube Stopper     | 1           | 116975-0-01 |                                               |
| D-5      | Screw                            | 1    | 140553-0-01 |                                                          | D-41                       | Vinyl Tube       | 1           | 116976-0-00 |                                               |
| D-6      | Thread Guide                     | 1    | 117178-0-01 |                                                          | D-42                       | Wick             | 1           | 108802-0-01 |                                               |
| D-7      | Presser Bar Bushing              | 1    | 111467-0-01 |                                                          | D-43                       | Wick             | 1           | 117007-0-01 |                                               |
| D-8      | Presser Bar                      | 1    | 103013-0-01 |                                                          | D-44                       | Oil Pipe         | 1           | 116967-0-00 |                                               |
| D-9      | Screw                            | 1    | 001670-8-14 | D-45                                                     | Oil Pipe                   | 1                | 116970-0-00 |             |                                               |
| D-10     | Presser Foot                     | 1    |             | D-46                                                     | Wick                       | 1                | 117007-0-01 |             |                                               |
| D-11     | Presser Foot Lifter              | 1    | 142481-0-01 | D-47                                                     | Wick                       | 1                | 109405-0-01 |             |                                               |
| D-12     | Screw                            | 1    | 013760-6-12 | D-48                                                     | Vinyl Tube                 | 1                | 117179-0-00 |             |                                               |
| D-13     | Presser Foot Lifter Stud         | 1    | 109801-0-01 | D-49                                                     | Oil Pipe                   | 1                | 116968-0-00 |             |                                               |
| D-14     | Presser Foot Lifter Bracket      | 1    | 100498-0-01 | D-50                                                     | Screw                      | 1                | 02921-0-02  |             |                                               |
| D-15     | Packing                          | 1    | 117024-0-00 | D-51                                                     | Knee Lifter Lever          | 1                | 116990-0-01 |             |                                               |
| D-16     | Wick                             | 1    | 140439-0-01 | D-52                                                     | Screw                      | 1                | 00299-0-01  |             |                                               |
| D-17     | Vinyl Tube Holder                | 1    | 140437-0-01 | D-53                                                     | Knee Lifter Joint          | 1                | 00298-0-01  |             |                                               |
| D-18     | Vinyl Tube                       | 1    | 117021-0-00 | D-54                                                     | Nut                        | 1                | 110161-0-03 |             |                                               |
| D-19     | Wick                             | 1    | 109405-0-01 | D-55                                                     | Knee Lifter Connecting Rod | 1                | 100300-0-01 |             |                                               |
| D-20     | Oil Pipe                         | 1    | 116966-0-00 | D-56-1                                                   | Pin                        | 1                | 118550-0-00 |             |                                               |
| D-21     | Oil Pipe                         | 1    | 116967-0-00 | D-56-2                                                   | Lever Pawl                 | 1                | 143869-0-01 |             |                                               |
| D-22     | Wick                             | 1    | 117007-0-01 | D-56-3                                                   | Lever Pawl Support         | 1                |             |             |                                               |
| D-23     | Wick                             | 1    | 109405-0-01 | D-57                                                     | Spring                     | 1                | 100304-0-01 |             |                                               |
| D-24     | Wick                             | 1    | 117006-0-01 | D-58                                                     | Screw                      | 2                | 009710-8-12 |             |                                               |
| D-25     | Oil Pipe                         | 1    | 116968-0-00 | D-59                                                     | Oil Pipe                   | 1                | 116968-0-00 |             |                                               |
| D-26     | Oil Pipe                         | 1    | 116969-0-00 | D-60                                                     | Vinyl Tube                 | 1                | 116984-0-00 |             |                                               |
| D-27     | Wick                             | 3    | 108805-0-01 | D-61                                                     | Wick                       | 1                | 117012-0-01 |             |                                               |
| D-28     | Felt                             | 1    | 117008-0-01 | D-62                                                     | Bed Oil Reserver Felt      | 2                | 117013-0-01 |             |                                               |
| D-29     | Packing                          | 1    | 116974-0-01 | D-63                                                     | Bed Oil Window             | 1                | 116987-0-01 |             |                                               |
| D-30-1   | Oil Reserver Window<br>Right Arm | 1    | 116973-0-01 | D-30<br>Oil Reserver<br>Cover<br>Assembly<br>116971-0-01 | D-64                       | Packing          | 1           | 116986-0-01 |                                               |
|          |                                  |      |             |                                                          | D-65                       | Bed Oil Reserver | 1           | 116985-0-01 |                                               |
| D-30-2   | Oil Reserver Cover<br>Right Arm  | 1    | D-66        |                                                          | Screw                      | 4                | 009670-8-13 |             |                                               |
|          |                                  |      | D-67        |                                                          | Wick                       | 1                | 117011-0-01 |             |                                               |
| D-31     | Screw                            | 4    | 102528-0-06 | D-68                                                     | Vinyl Tube                 | 1                | 116983-0-00 |             |                                               |
| D-32     | Screw                            | 1    | 009670-6-13 | D-69                                                     | Oil Pipe                   | 1                | 116968-0-00 |             |                                               |
| D-33     | Oil Wick Supporter               | 1    | 142100-0-01 | D-70                                                     | Wick Holder                | 1                | 112745-0-01 |             |                                               |
| D-34-1   | Oil Reserver Window<br>Right Arm | 1    | 116973-0-01 | D-71                                                     | Screw                      | 1                | 009670-5-12 |             |                                               |
|          |                                  |      |             |                                                          |                            |                  |             |             |                                               |
| D-34-2   | Oil Reserver<br>Right Arm        | 1    |             |                                                          |                            |                  |             |             |                                               |

## Z. Accessories



| Ref. No. | Name of Parts                              | Q'ty | Parts No.   | Assembly No. | Ref. No. | Name of Parts                      | Q'ty | Parts No.   | Assembly No. |
|----------|--------------------------------------------|------|-------------|--------------|----------|------------------------------------|------|-------------|--------------|
| Z- 1     | Accessory Box                              |      | 110436-0-01 |              | Z-14-15  | Pin                                |      |             |              |
| Z- 2     | Screw Driver                               |      | 118837-0-01 |              | Z-14-16  | Spring                             |      | 117969-0-01 |              |
| Z- 3     | Screw Driver                               |      | 142443-0-01 |              | Z-14-17  | Bobbin Presser Arm                 |      |             |              |
| Z- 4     | Screw Driver                               |      | 101572-1-01 |              | Z-14-18  | Pin                                |      | 100661-0-01 |              |
| Z- 5     | Rubber Hinge                               |      | 143910-0-01 |              | Z-14-19  | Bobbin Presser Arm Bracket         |      |             |              |
| Z- 6     | Nail                                       |      | 109714-0-00 |              | Z-14-20  | Screw                              |      | 009679-3-12 |              |
| Z- 7     | Hinge                                      |      | 143882-0-01 |              | Z-14-21  | Bobbin Winder Wheel Stopper Holder |      |             |              |
| Z- 8     | Nail                                       |      | 109714-0-00 |              | Z-14-22  | Bobbin Winder Wheel Stopper        |      | 100662-0-01 |              |
| Z- 9     | Head Cushion                               |      | 148890-1-01 |              | Z-15     | Screw                              |      | 100666-0-02 |              |
| Z-10     | Needle                                     |      |             |              | Z-16- 1  | Oil Pan                            |      |             |              |
| Z-11     | Needle Bag                                 |      |             |              | Z-16- 2  | Oil Hole                           |      | 144507-0-00 |              |
| Z-12     | Bobbin                                     |      | 117132-0-01 |              | Z-16- 3  | Nail                               |      | 109714-0-00 |              |
| Z-13     | Needle Plate                               |      |             |              | Z-16- 4  | Cap                                |      | 144508-0-01 |              |
| Z-14- 1  | Bobbin Winder Wheel Assembly               |      |             |              | Z-16- 5  | Washer                             |      | 025080-2-32 |              |
| Z-14- 2  | Screw                                      |      | 100366-0-02 |              | Z-16- 6  | Nut                                |      | 021080-3-06 |              |
| Z-14- 3  | Washer                                     |      |             |              | Z-16- 7  | Oiler                              |      | 114486-0-01 |              |
| Z-14- 4  | Bobbin Winder Wheel Shaft Bushing          |      |             |              | Z-17     | Head Rest                          |      | 100477-0-01 |              |
| Z-14- 5  | Bobbin Winder Shaft                        |      | 117970-0-01 |              | Z-18     | Oiler                              |      | 114483-0-01 |              |
| Z-14- 6  | Screw                                      |      | 100657-0-01 |              | Z-19- 1  | Belt Cover D                       |      |             |              |
| Z-14- 7  | Bobbin Presser                             |      |             |              | Z-19- 2  | Screw                              |      | 100666-0-02 |              |
| Z-14- 8  | Nut                                        |      |             |              | Z-19- 3  | Washer                             |      | 025750-1-32 |              |
| Z-14- 9  | Spring                                     |      | 100401-0-01 |              | Z-19- 4  | Screw                              |      | 009680-8-12 |              |
| Z-14-10  | Tension Disc                               |      | 145446-0-01 |              | Z-19- 5  | Washer                             |      | 028680-2-42 |              |
| Z-14-11  | Screw                                      |      |             |              | Z-19- 6  | Stud                               |      | 147856-0-01 |              |
| Z-14-12  | Bobbin Winder Wheel Guide Bracket Assembly |      |             |              | Z-19- 7  | Stud                               |      | 147855-0-01 |              |
| Z-14-13  | Bobbin Winder Wheel Bracket                |      |             |              | Z-19- 8  | Belt Cover UA                      |      |             |              |
| Z-14-14  | Screw                                      |      | 100659-0-01 |              | Z-20     | Spanner                            |      |             |              |
|          |                                            |      |             |              | Z-21     | Ruler                              |      |             |              |
|          |                                            |      |             |              | Z-22     | Thumb Screw                        |      |             |              |
|          |                                            |      |             |              | Z-23     | Needle Bar Thread Guide            |      |             |              |

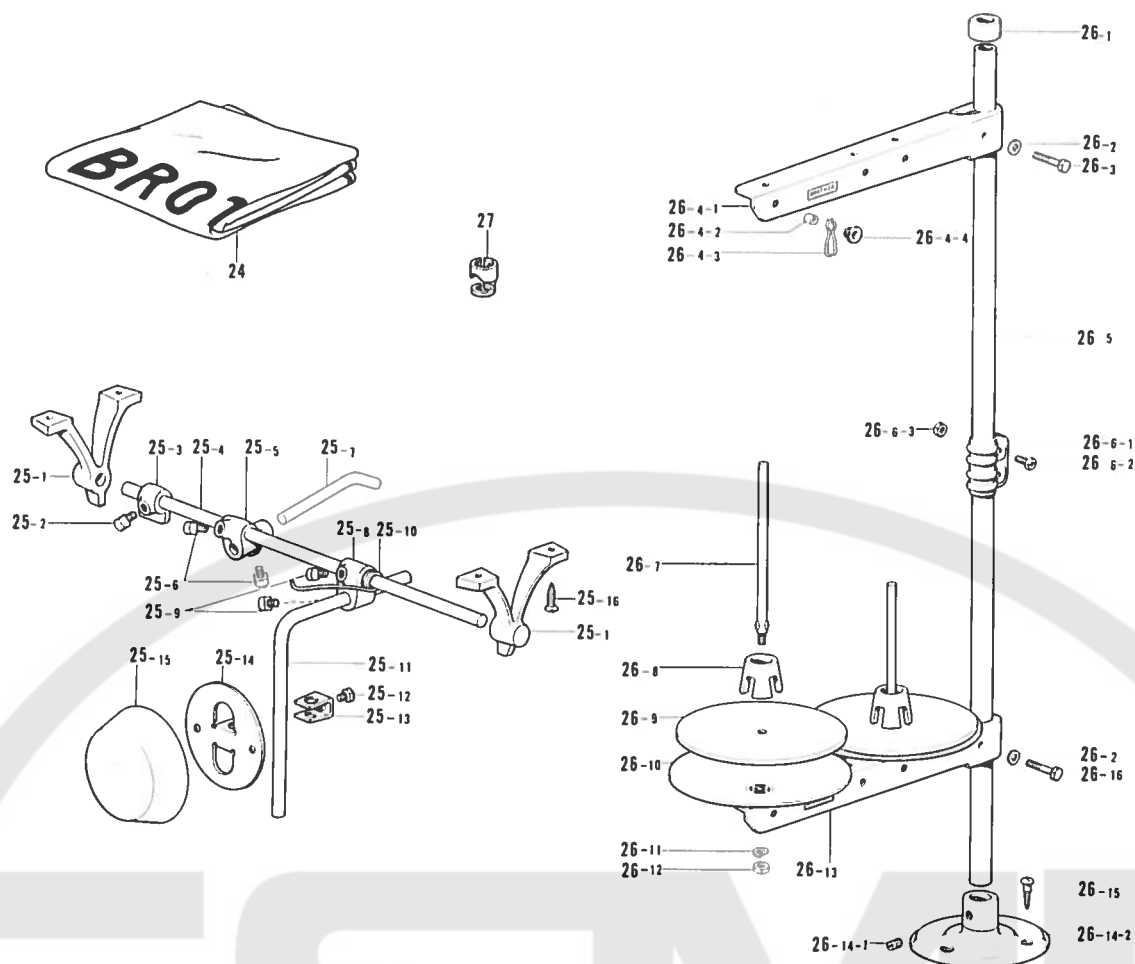
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\* Änderungen in der Aufstellung der mitgelieferten Zubehöre sind vorbehalten.

\* Les détails des accessoires inclus sont sujets à des changements.

\* Los detalles de los accesorios incluidos pueden variar.

## Z. Accessories



| Ref. No. | Name of Parts                           | Qty | Parts No.   | Assembly No. | Ref. No.  | Name of Parts           | Qty | Parts No.   | Assembly No.               |
|----------|-----------------------------------------|-----|-------------|--------------|-----------|-------------------------|-----|-------------|----------------------------|
| Z-24     | Head Cover                              |     | 144222-0-01 |              | Z-26-4-1  | Spool Holder            |     |             | Z-26-4                     |
| Z-25-1   | Knee Lifter Shaft Bracket               |     |             |              | Z-26-4-2  | Thread Bushing          |     | 142990-0-01 | Thread Hanger Assembly     |
| Z-25-2   | Bolt                                    |     | 100463-0-01 |              | Z-26-4-3  | Thread Guide Spring     |     | 150184-0-01 |                            |
| Z-25-3   | Stopper Collar                          |     |             |              | Z-26-4-4  | Thread Hanger           |     | 150183-0-00 | 150192-0-01                |
| Z-25-4   | Knee Lifter Shaft                       |     |             |              | Z-26-5    | Pipe                    |     | 150172-0-01 |                            |
| Z-25-5   | Knee Lifter Crank Presser Bar Connector |     |             |              | Z-26-6-1  | Joint                   |     |             | Z-26-6                     |
| Z-25-6   | Bolt                                    |     | 100463-0-01 |              | Z-26-6-2  | Screw                   |     | 150202-0-01 | Joint Assembly             |
| Z-25-7   | Knee Lifter Crank Presser Bar           |     |             |              | Z-26-6-3  | Nut                     |     | 021500-1-03 | 150106-0-01                |
| Z-25-8   | Knee Lifter Joint                       |     |             |              | Z-26-7    | Spool Shaft             |     | 150179-0-01 |                            |
| Z-25-9   | Bolt                                    |     | 100463-0-01 |              | Z-26-8    | Spool Cushion           |     | 147060-0-01 | Z-26                       |
| Z-25-10  | Spring                                  |     |             |              | Z-26-9    | Spool Mat               |     | 150182-0-00 | Cotton Stand Assembly      |
| Z-25-11  | Knee Lifter Bar                         |     | 104619-0-02 |              | Z-26-10   | Spool Stand Base        |     | 150180-0-00 | 150150-0-01                |
| Z-25-12  | Bolt                                    |     | 110087-0-01 |              | Z-26-11   | Spring Washer           |     | 028050-2-43 |                            |
| Z-25-13  | Knee Lifter Plate Stopper               |     | 114967-0-01 |              | Z-26-12   | Nut                     |     | 021500-1-03 |                            |
| Z-25-14  | Knee Lifter Plate                       |     | 114966-0-01 |              | Z-26-13   | Spool Holder Assembly   |     | 150177-0-01 |                            |
| Z-25-15  | Knee Lifter Cover                       |     | 140503-0-01 |              | Z-26-14-1 | Screw                   |     | 150181-0-01 | Z-26-14                    |
| Z-25-16  | Screw                                   |     | 100460-0-00 |              | Z-26-14-2 | Cotton Stand Base       |     |             | Cotton Stand Base Assembly |
| Z-26-1   | Cap                                     |     | 150174-0-00 |              | Z-26-15   | Screw                   |     | 031452-2-03 |                            |
| Z-26-2   | Washer                                  |     | 025050-2-33 |              | Z-26-16   | Screw                   |     | 017502-8-03 |                            |
| Z-26-3   | Screw                                   |     | 017502-8-03 |              | Z-27      | Needle Bar Thread Guide |     |             |                            |

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\* Los detalles de los accesorios incluidos pueden variar.

## SEPARATE PARTS LIST

| Ref. No. | Sub-Class                          | —1          | —3          |             |  |             |
|----------|------------------------------------|-------------|-------------|-------------|--|-------------|
|          | Destination<br>Name of Parts       |             |             |             |  | England     |
| A-44     | Needle Plate                       | 100603-0-01 | 100266-0-01 |             |  | 111241-0-01 |
| B- 2     | Needle Bar Bushing Upper           | 117004-0-01 | 117004-0-01 |             |  |             |
| B- 3     | Needle Bar                         | 117121-0-01 | 106408-0-01 |             |  | 109356-0-01 |
| B- 4     | Needle Bar Bushing Lower           | 109206-0-01 | 109206-0-01 |             |  |             |
| B- 6     | Needle Clamp Assembly              |             | 143930-0-01 |             |  |             |
| B- 7     | Screw                              |             | 009630-4-12 |             |  |             |
| B- 8     | Needle Bar Thread Guide            |             | 144577-0-01 |             |  |             |
| B- 9     | Needle                             | 100575-0-11 | 100265-0-14 |             |  | 100265-0-21 |
| B-11     | Needle Bar Connecting Rod Assembly | 117119-0-01 | 117003-0-01 |             |  |             |
| B-11-9   | Needle Bar Clamp                   | 104463-0-01 | 104463-0-01 |             |  |             |
| B-15     | Thread Tack-up Crank               | 142405-0-00 | 142097-0-00 |             |  |             |
| B-30     | Pulley                             | 117525-0-01 | 117525-0-01 |             |  |             |
| B-51     | Rotary Hook                        | 116996-0-01 | 116996-0-01 |             |  |             |
| B-59     | Screw                              |             |             |             |  |             |
| B-60     | Needle Bar Thread Guide            |             |             |             |  |             |
| B-61     | Needle Clamp Assembly              |             |             |             |  |             |
| B-62     | Needle Bar Thread Guide            | 117123-0-01 |             |             |  |             |
| B-63     | Screw                              | 140553-0-01 |             |             |  |             |
| C- 1     | Feed Regulator with Screw          | 182334-0-01 | 182349-0-01 |             |  |             |
| C- 5     | Feed Regulator Link                | 104897-0-01 | 104897-0-00 |             |  |             |
| C-24     | Feed Froked Connector              | 116991-0-01 | 116991-0-01 |             |  |             |
| C-25     | Feed Cam Sleeve Assembly           | 118300-0-01 | 180435-0-01 |             |  |             |
| C-32     | Screw                              | 100310-0-01 | 100310-0-01 |             |  |             |
| C-33     | Nut                                | 104689-0-01 | 104689-0-01 |             |  |             |
| C-35     | Feed Rock Shaft Arm with Screw     | 118292-0-01 | 118292-0-01 |             |  |             |
| C-41     | Feed Dog                           | 111898-0-01 | 100334-0-01 |             |  |             |
| C-44     | Feed Rock Shaft Arm with Screw     |             |             |             |  |             |
| C-45     | Screw                              |             |             |             |  |             |
| C-46     | Feed Rock Shaft Arm Pin            |             |             |             |  |             |
| D-10     | Presser Foot                       | 111856-0-01 | 113280-0-01 |             |  |             |
| Z-10     | Needle                             | 100575-0-11 | 100265-0-14 |             |  | 100265-0-21 |
| Z-13     | Needle Plate                       | 100603-0-01 | 100266-0-01 | 100267-0-01 |  | 111241-0-01 |
| Z-19     | Belt Cover Assembly                |             |             |             |  | 147895-0-11 |
| Z-20     | Spanner                            | 100887-0-01 | 100887-0-01 |             |  |             |
| Z-21     | Ruler                              | 100471-0-01 | 100471-0-01 |             |  |             |
| Z-22     | Thumb Screw                        | 106120-0-01 | 106120-0-01 |             |  |             |
| Z-23     | Thread Guide                       |             | 144577-0-01 |             |  |             |
| Z-25     | Knee Lifter Assembly               | 110845-0-01 | 110845-0-01 |             |  |             |
| Z-26     | Cotton Stand Assembly              |             | 150150-0-01 |             |  | 150150-0-01 |
| Z-27     | Needle Bar Thread Guide            | 117123-0-01 |             |             |  |             |

| Ref. No. | Sub-Class                          |             | -5          |  |             |  | Fromosa     |
|----------|------------------------------------|-------------|-------------|--|-------------|--|-------------|
|          | Name of Parts                      | Destination |             |  |             |  |             |
| A-44     | Needle Plate                       |             | 118107-0-01 |  |             |  |             |
| B- 2     | Needle Bar Bushing Upper           |             | 117116-0-01 |  |             |  | 111463-0-01 |
| B- 3     | Needle Bar                         |             | 117252-0-01 |  |             |  | 145268-0-01 |
| B- 4     | Needle Bar Bushing Lower           |             | 117117-0-01 |  |             |  | 145760-0-01 |
| B- 6     | Needle Clamp Assembly              |             |             |  |             |  |             |
| B- 7     | Screw                              |             |             |  |             |  |             |
| B- 8     | Needle Bar Thread Guide            |             |             |  |             |  |             |
| B- 9     | Needle                             |             | 100265-0-19 |  |             |  |             |
| B-11     | Needle Bar Connecting Rod Assembly |             | 117114-0-01 |  |             |  | 142675-0-01 |
| B-11-9   | Needle Bar Clamp                   |             | 111237-0-01 |  |             |  |             |
| B-15     | Thread Tack-up Crank               |             | 142406-0-00 |  |             |  |             |
| B-30     | Pulley                             |             | 115246-0-01 |  |             |  |             |
| B-54     | Rotary Hook                        |             | 111272-0-01 |  |             |  |             |
| B-59     | Screw                              |             | 140530-0-01 |  |             |  |             |
| B-60     | Needle Bar Thread Guide            |             | 118382-0-01 |  |             |  |             |
| B-61     | Needle Clamp Assembly              |             | 180166-0-01 |  |             |  |             |
| B-62     | Needle Bar Thread Guide            |             |             |  |             |  | 112775-0-01 |
| B-63     | Screw                              |             |             |  |             |  | 140553-0-01 |
| C- 1     | Feed Regulator with Screw          |             | 182352-0-01 |  |             |  | 181127-0-01 |
| C- 5     | Feed Regulator Link                |             | 104897-0-01 |  |             |  |             |
| C-24     | Feed Froked Connector              |             | 109147-0-01 |  |             |  |             |
| C-25     | Feed Cam Sleeve Assembly           |             | 180435-0-01 |  |             |  |             |
| C-32     | Screw                              |             |             |  |             |  |             |
| C-33     | Nut                                |             |             |  |             |  |             |
| C-35     | Feed Rock Shaft Arm with Screw     |             |             |  |             |  |             |
| C-41     | Feed Dog                           |             | 117775-0-01 |  |             |  |             |
| C-44     | Feed Rock Shaft Arm with Screw     |             | 144563-0-01 |  |             |  |             |
| C-45     | Screw                              |             | 013680-6-12 |  |             |  |             |
| C-46     | Feed Rock Shaft Arm Pin            |             | 109153-0-01 |  |             |  |             |
| D-10     | Presser Foot                       |             | 113280-0-01 |  |             |  |             |
| Z-10     | Needle                             |             | 100265-0-19 |  |             |  |             |
| Z-13     | Needle Plate                       |             | 118108-0-01 |  |             |  |             |
| Z-19     | Belt Cover Assembly                |             |             |  | 147895-0-11 |  |             |
| Z-20     | Spanner                            |             | 100887-0-01 |  |             |  |             |
| Z-21     | Ruler                              |             | 100471-0-01 |  |             |  |             |
| Z-22     | Thumb Screw                        |             | 106120-0-01 |  |             |  |             |
| Z-23     | Thread Guide                       |             |             |  |             |  |             |
| Z-25     | Knee Lifter Assembly               |             | 110845-0-01 |  |             |  |             |
| Z-26     | Cotton Stand Assembly              |             | 150150-0-01 |  | 150150-0-01 |  |             |
| Z-27     | Needle Bar Thread Guide            |             |             |  |             |  |             |

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| 001670-6-12 | D-39     |        | 100267-0-01 | Z-13     |        | 104897-0-00 | C-5      |        | 116971-0-01 | D-30     |        |
| 001670-8-11 | D-9      |        | 100279-1-01 | D-1      |        | 104897-0-01 | C-5      |        | 116973-0-01 | D-30-1   |        |
| 009630-4-12 | B-7      |        | 100298-0-01 | D-53     |        | 101908-0-01 | C-37     |        |             | D-34-1   |        |
| 009630-6-12 | A-9      |        | 100299-0-01 | D-52     |        | 106120-0-01 | Z-22     |        | 116974-0-01 | D-29     |        |
|             | A-11     |        | 100300-0-01 | D-55     |        | 106408-0-01 | B-3      |        | 116975-0-01 | D-40     |        |
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| 009670-6-12 | B-11     |        | 100310-0-01 | C-4      |        | 106412-0-01 | C-26     |        | 116977-0-01 | D-34     |        |
| 009670-6-13 | D-32     |        |             | C-30     |        | 107128-0-01 | C-29-2   |        | 116979-0-01 | D-36     |        |
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| 013761-1-10 | B-18     |        | 100463-0-01 | Z-25-2   |        | 110845-0-01 | Z-25     |        | 117008-0-01 | D-28     |        |
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|             | B-32     |        |             | Z-25-9   |        | 111241-0-01 | A-44     |        | 117010-0-01 | D-38     |        |
|             | B-42     |        | 100471-0-01 | Z-21     |        |             | Z-13     |        | 117011-0-01 | D-67     |        |
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|             | B-22-1   |        | 100498-0-01 | D-14     |        | 111463-0-01 | B-2      |        | 117013-0-01 | D-61     |        |
|             | B-26-2   |        | 100537-0-00 | A-37     |        | 111467-0-01 | D-7      |        | 117021-0-00 | D-18     |        |
|             | B-26-4   |        | 100575-0-11 | Z-10     |        | 111491-0-01 | C-3      |        | 117024-0-00 | D-15     |        |
|             | B-45-2   |        | 100603-0-01 | Z-13     |        | 111856-0-01 | D-10     |        | 117114-0-01 | B-11     |        |
|             | B-45-4   |        | 100657-0-01 | Z-14-6   |        | 111898-0-01 | C-41     |        | 117116-0-01 | B-2      |        |
| 013781-0-12 | C-2      |        | 100659-0-01 | Z-14-14  |        | 112745-0-01 | D-70     |        | 117117-0-01 | B-4      |        |
| 015771-0-12 | C-22     |        | 100661-0-01 | Z-14-18  |        | 112775-0-01 | B-62     |        | 117119-0-01 | B-11     |        |
| 017502-8-03 | Z-26-3   |        | 100662-0-01 | Z-14-22  |        | 113280-0-01 | D-10     |        | 117121-0-01 | B-3      |        |
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|             | Z-26-12  |        | 100887-0-01 | Z-20     |        | 114240-0-01 | B-44     |        | 117132-0-01 | B-57     |        |
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| 025080-2-32 | Z-16-5   |        | 101706-0-01 | B-41-2   |        | 114486-0-01 | Z-16-7   |        | 117178-0-01 | D-6      |        |
| 025100-1-30 | C-20     |        | 101706-0-03 | B-49-1   |        | 114561-0-01 | A-46-2   |        | 117179-0-00 | D-48     |        |
| 025630-2-32 | A-8      |        | 102528-0-06 | D-31     |        | 114928-0-01 | B-61-2   |        | 117185-0-01 | A-5      |        |
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| 028050-2-43 | Z-26-11  |        |             | D-35     |        | 114967-0-01 | Z-25-13  |        | 117525-0-01 | B-30     |        |
| 031452-2-03 | Z-26-15  |        | 102627-0-01 | C-1-1    |        | 115246-0-01 | B-30     |        | 117672-0-01 | A-22     |        |
| 048080-3-42 | C-19     |        | 102630-0-01 | B-12     |        | 115280-0-01 | A-2      |        | 117673-0-00 | A-23     |        |
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| 100075-0-04 | C-34-1   |        | 103013-0-01 | D-8      |        | 116950-0-00 | B-13     |        | 117963-0-01 | Z-14     |        |
| 100080-0-03 | C-40     |        | 103738-0-01 | B-33     |        | 116953-0-01 | C-13     |        | 117969-0-01 | Z-14-16  |        |
| 100134-0-01 | A-33     |        | 103796-0-01 | B-35     |        | 116956-0-01 | C-11     |        | 117970-0-01 | Z-14-5   |        |
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| 100260-0-01 | B-1      |        | 104449-0-01 | A-12     |        | 116964-0-01 | A-10     |        | 118289-0-01 | A-46     |        |
|             | B-5      |        | 104451-0-01 | A-27     |        | 116966-0-00 | D-20     |        | 118290-0-01 | D-4      |        |
| 100265-0-14 | B-9      |        | 104463-0-01 | B-11-9   |        | 116967-0-00 | D-21     |        | 118292-0-01 | C-35     |        |
|             | Z-10     |        | 104464-0-01 | B-17     |        |             | D-44     |        | 118293-0-01 | C-29     |        |
| 100265-0-19 | B-9      |        | 104478-0-01 | B-31     |        | 116968-0-00 | D-25     |        | 118296-0-01 | B-45     |        |
|             | Z-10     |        | 104619-0-02 | Z-25-11  |        |             | D-49     |        | 118298-0-01 | B-36     |        |
| 100265-0-21 | B-9      |        | 104689-0-01 | C-7      |        |             | D-59     |        | 118299-0-01 | B-49     |        |
|             | Z-10     |        |             | C-31     |        |             | D-69     |        | 118300-0-01 | C-25     |        |
| 100266-0-01 | A-44     |        |             | C-33     |        | 116969-0-00 | D-26     |        | 118371-0-01 | B-22     |        |
|             | Z-13     |        | 104821-0-01 | A-17     |        | 116970-0-00 | D-45     |        | 118382-0-01 | B-60     |        |

| Parts No.   | Ref. No.  | Remark | Parts No.   | Ref. No. | Remark | Parts No. | Ref. No. | Remark | Parts No. | Ref. No. | Remark |
|-------------|-----------|--------|-------------|----------|--------|-----------|----------|--------|-----------|----------|--------|
| 118450-0-01 | B-48      |        | 150181-0-01 | Z-26-4-3 |        |           |          |        |           |          |        |
| 118521-0-01 | B-6-2     |        | 150202-0-01 | Z-26-6-2 |        |           |          |        |           |          |        |
| 118550-0-00 | D-56-1    |        | 180166-0-01 | B-61     |        |           |          |        |           |          |        |
| 118759-0-01 | B-41      |        | 180435-0-01 | C-25     |        |           |          |        |           |          |        |
| 118837-0-01 | Z-2       |        | 180987-0-01 | C-34     |        |           |          |        |           |          |        |
| 122771-0-01 | A-46-3    |        | 181127-0-01 | C-1      |        |           |          |        |           |          |        |
| 140004-0-01 | B-11-8    |        | 181562-0-01 | C-42     |        |           |          |        |           |          |        |
| 140378-0-01 | B-26      |        | 182334-0-01 | C-1      |        |           |          |        |           |          |        |
| 140384-0-01 | B-31      |        | 182319-0-01 | C-1      |        |           |          |        |           |          |        |
| 140437-0-01 | D-17      |        | 182352-0-01 | C-1      |        |           |          |        |           |          |        |
| 140439-0-01 | D-16      |        | 403159-0-01 | A-6      |        |           |          |        |           |          |        |
| 140503-0-01 | Z-25-15   |        |             |          |        |           |          |        |           |          |        |
| 140530-0-01 | B-59      |        |             |          |        |           |          |        |           |          |        |
| 140553-0-01 | B-63      |        |             |          |        |           |          |        |           |          |        |
|             | D-5       |        |             |          |        |           |          |        |           |          |        |
| 141099-0-01 | D-2       |        |             |          |        |           |          |        |           |          |        |
| 141190-0-01 | C-21      |        |             |          |        |           |          |        |           |          |        |
| 142097-0-00 | B-15      |        |             |          |        |           |          |        |           |          |        |
| 142100-0-01 | D-33      |        |             |          |        |           |          |        |           |          |        |
| 142405-0-00 | B-15      |        |             |          |        |           |          |        |           |          |        |
| 142406-0-00 | B-15      |        |             |          |        |           |          |        |           |          |        |
| 142443-0-01 | Z-3       |        |             |          |        |           |          |        |           |          |        |
| 142481-0-01 | D-11      |        |             |          |        |           |          |        |           |          |        |
| 142483-0-01 | C-14      |        |             |          |        |           |          |        |           |          |        |
| 142484-0-01 | C-15      |        |             |          |        |           |          |        |           |          |        |
| 142675-0-01 | B-11      |        |             |          |        |           |          |        |           |          |        |
| 142746-0-01 | C-16      |        |             |          |        |           |          |        |           |          |        |
| 142747-0-01 | C-17      |        |             |          |        |           |          |        |           |          |        |
| 142990-0-01 | Z-26-4-2  |        |             |          |        |           |          |        |           |          |        |
| 143868-0-01 | D-56      |        |             |          |        |           |          |        |           |          |        |
| 143869-0-01 | D-56-2    |        |             |          |        |           |          |        |           |          |        |
| 143882-0-01 | Z-7       |        |             |          |        |           |          |        |           |          |        |
| 143910-0-01 | Z-5       |        |             |          |        |           |          |        |           |          |        |
| 143930-0-01 | B-6       |        |             |          |        |           |          |        |           |          |        |
| 144222-0-01 | Z-24      |        |             |          |        |           |          |        |           |          |        |
| 144507-0-00 | Z-16-2    |        |             |          |        |           |          |        |           |          |        |
| 144508-0-01 | Z-16-4    |        |             |          |        |           |          |        |           |          |        |
| 144551-0-01 | B-25      |        |             |          |        |           |          |        |           |          |        |
| 144552-0-00 | B-19      |        |             |          |        |           |          |        |           |          |        |
| 144554-0-00 | B-28      |        |             |          |        |           |          |        |           |          |        |
| 144555-0-01 | B-40      |        |             |          |        |           |          |        |           |          |        |
| 144558-0-00 | B-52      |        |             |          |        |           |          |        |           |          |        |
| 144559-0-00 | B-46      |        |             |          |        |           |          |        |           |          |        |
| 144563-0-01 | C-44      |        |             |          |        |           |          |        |           |          |        |
| 144577-0-01 | B-8       |        |             |          |        |           |          |        |           |          |        |
|             | Z-23      |        |             |          |        |           |          |        |           |          |        |
| 144748-0-01 | D-3       |        |             |          |        |           |          |        |           |          |        |
| 145250-0-01 | A-39      |        |             |          |        |           |          |        |           |          |        |
| 145268-0-01 | B-3       |        |             |          |        |           |          |        |           |          |        |
| 145446-0-01 | A-34      |        |             |          |        |           |          |        |           |          |        |
|             | Z-14-10   |        |             |          |        |           |          |        |           |          |        |
| 145465-0-01 | B-11-6    |        |             |          |        |           |          |        |           |          |        |
| 145760-0-01 | B-4       |        |             |          |        |           |          |        |           |          |        |
| 146363-0-00 | B-38      |        |             |          |        |           |          |        |           |          |        |
| 146364-0-00 | B-43      |        |             |          |        |           |          |        |           |          |        |
| 146365-0-01 | C-18      |        |             |          |        |           |          |        |           |          |        |
| 147060-0-01 | Z-26-8    |        |             |          |        |           |          |        |           |          |        |
| 147855-0-01 | Z-19-7    |        |             |          |        |           |          |        |           |          |        |
| 147856-0-01 | Z-19-6    |        |             |          |        |           |          |        |           |          |        |
| 147895-0-11 | Z-19      |        |             |          |        |           |          |        |           |          |        |
| 148890-1-01 | Z-9       |        |             |          |        |           |          |        |           |          |        |
| 150150-0-01 | Z-26      |        |             |          |        |           |          |        |           |          |        |
| 150172-0-01 | Z-26-5    |        |             |          |        |           |          |        |           |          |        |
| 150174-0-00 | Z-26-1    |        |             |          |        |           |          |        |           |          |        |
| 150177-0-01 | Z-26-13   |        |             |          |        |           |          |        |           |          |        |
| 150179-0-01 | Z-26-7    |        |             |          |        |           |          |        |           |          |        |
| 150180-0-00 | Z-26-10   |        |             |          |        |           |          |        |           |          |        |
| 150181-0-01 | Z-26-14-1 |        |             |          |        |           |          |        |           |          |        |
| 150182-0-00 | Z-26-9    |        |             |          |        |           |          |        |           |          |        |
| 150183-0-00 | Z-26-4-4  |        |             |          |        |           |          |        |           |          |        |



