

brother®

TWIN-NEEDLE, NEEDLE-FEED CORNER-STITCHING MACHINE

DOPPELNADEL-NADELTRANSPORT-ECKENNÄHMASCHINE

MACHINE À AIGUILLE DOUBLE, COUTURES D'ANGLES, ENTRAÎNEMENT PAR AIGUILLE.

MÁQUINA DE COSER DE DOS AGUJAS CON DOBLE ALIMENTACIÓN PARA COSTURA ANGULAR

LT2-B835

PARTS BOOK

TEILEKATALOG

LIVRE DES PIECES

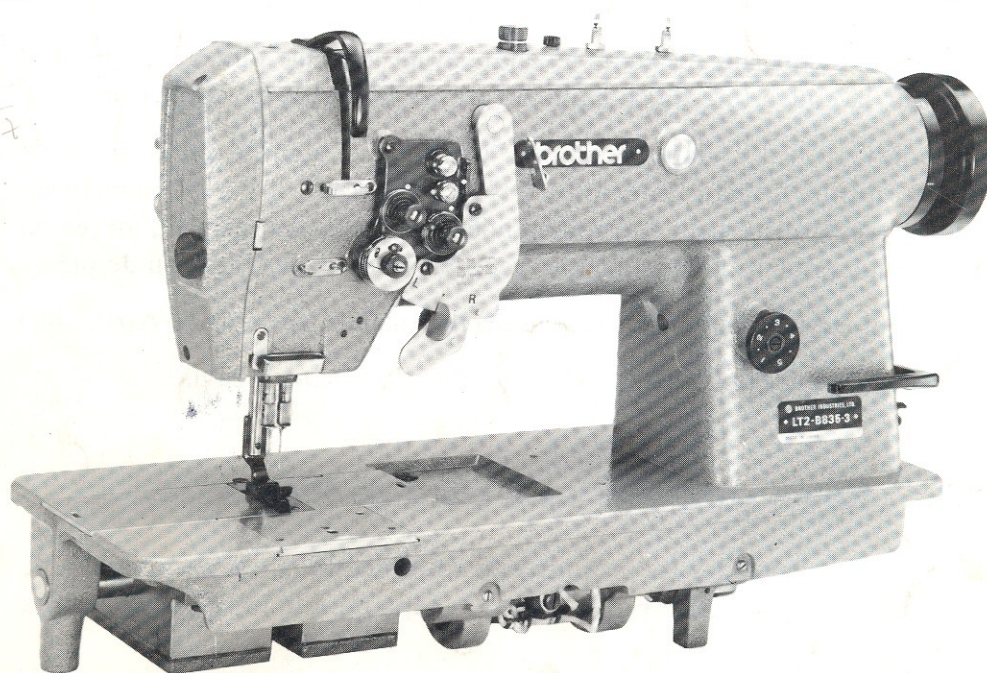
LIBRO DE REFERENCIA DE PIEZAS

ESCANTADO

P835402

Cadastrado

16  
4  
8+



Cavemac

Controle do Acervo de Catálogos

|               |                  |
|---------------|------------------|
| Identificação | 105              |
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| Conteúdo      | BROTHER LT2-B835 |

00000105



AM - ORIGINAL

16 folhas

## Notes for using this parts book

1. This book is applicable to sewing machines which have the same plate number as shown on the cover of this book (or correction sheet).
2. The symbol  in the "Parts No." column indicates that the parts is not available for supply. If, however, there is a number in the "Assembly No." column, the parts can be ordered as an assembly. Please, therefore, order by using the Assembly No.
3. This book was prepared based on information available in April, 1983.
4. Parts are subject to changes in design without prior notice.

## Anmerkungen zum Gebrauch dieses Stücklistebuches

1. Dieses Buch bezieht sich auf die Nähmaschinen mit derselben Kennungsnummer wie auf diesem Buchumschlag (oder auf dem Korrekturblatt).
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 April, 1983.
4. Modelländerungen sind vorbehalten.

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

1. Ce manuel est destiné aux machines à coudre ayant le même numéro de plaque montré sur la couverture de ce manuel (ou sur la feuille de corrections).
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° de jeu de pièces.
3. Ce manuel a été fait d'après les renseignements valables au mois de Avril, 1983.
4. Les pièces peuvent être sujettes à des modifications sans préavis.

## Notas para usar este Libro de Piezas

1. Este libro sirve para todas las máquinas de coser que llevan la misma placa de identificación que la que se puede ver en la tapa de este libro (o en la hoja de erratas).
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 abril de 1983.
4. Las piezas quedan sujetas a cambios de diseño sin aviso previo.

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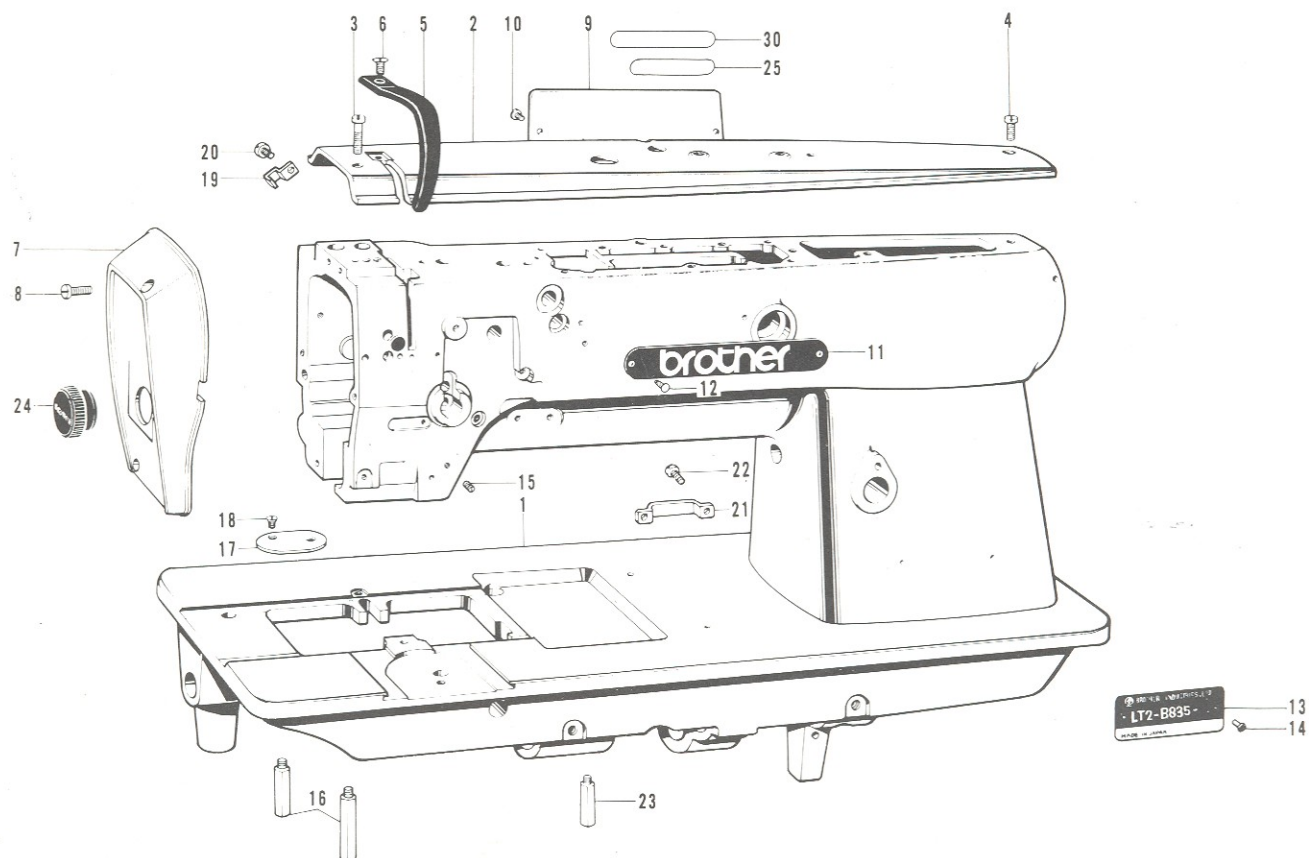
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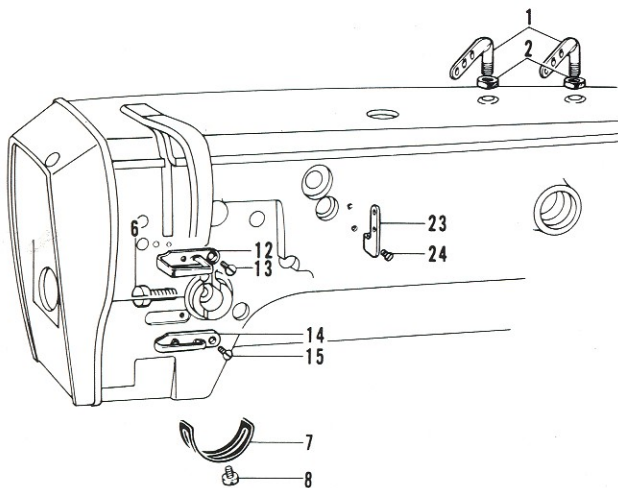
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A. Machine body / Maschinengehäuse  
Corps de la machine / Denominación del mecanismo

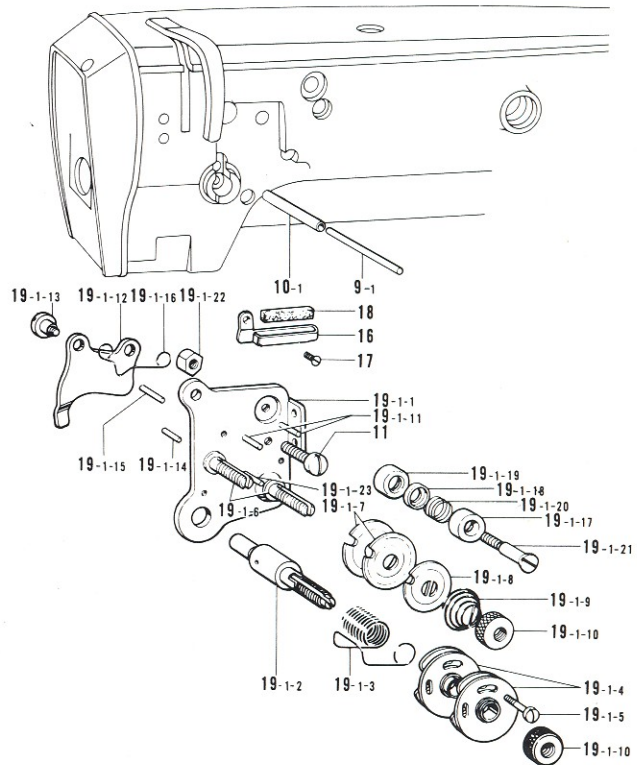


| Ref. No. | Name of Parts        | Q'ty | Parts No.   | Assembly No. | Ref. No. | Name of Parts                       | Q'ty | Parts No.   | Assembly No. |
|----------|----------------------|------|-------------|--------------|----------|-------------------------------------|------|-------------|--------------|
| 1        | Arm Bed              | 1    |             |              | 15       | Screw 4.37                          | 2    | 151602-0-02 |              |
| 2        | Arm Top Cover        | 1    | 112560-0-03 |              | 16       | Bed Leg (for Thread Trimmer)        | 2    | 148611-0-01 |              |
| 3        | Screw 4.37 x 16      | 1    | 009681-6-12 |              | 17       | Cover (for Thread Trimmer)          | 1    | 148614-0-01 |              |
| 4        | Screw 4.37 x 10      | 1    | 009681-0-12 |              | 18       | Screw 3.18 (for Thread Trimmer)     | 2    | 149288-0-02 |              |
| 5        | Thread Take-up Cover | 1    | 112561-0-02 |              | 19       | Tube Holder (L)(for Thread Trimmer) | 2    | 142268-0-01 |              |
| 6        | Screw 4.76           | 1    | 107231-0-02 |              | 20       | Screw 3.57 x 6 (for Thread Trimmer) | 2    | 009670-6-12 |              |
| 7        | Face Plate           | 1    | 149819-0-03 |              | 21       | Cord Holder (LL)(for -400A, -700A)  | 1    | 148818-0-01 |              |
| 8        | Screw 3.57 x 8       | 2    | 009670-8-12 |              |          | Cord Holder 3 (for -900A)           | 2    | 148462-0-01 |              |
| 9        | Read Cover           | 1    | 112566-0-03 |              | 22       | Screw 3.57 x 6                      | 2    | 009670-6-12 |              |
| 10       | Screw 3.57 x 6       | 2    | 009670-6-12 |              | 23       | Bed Leg (Small)                     | 1    | 149179-0-01 |              |
| 11       | Name Plate           | 1    |             |              | 24       | Face Plate Cap                      | 1    | 150815-0-01 |              |
| 12       | Pin                  | 2    |             |              | 25       | Name Plate                          | 1    |             |              |
| 13       | Model Plate          | 1    |             |              | 30       | Parts Book Number Plate             | 1    |             |              |
| 14       | Pin                  | 2    |             |              |          |                                     |      |             |              |

B. Threading mechanism (1)  
 FadenführungsVorrichtung (1)  
 Mécanisme de Jénfilage (1)  
 Mécanismo de la enhebrado (1)



B. Threading mechanism (2)(Standard)  
 FadenführungsVorrichtung (2)(Norm)  
 Mécanisme de Jénfilage (2)(Standard)  
 Mécanismo de la enhebrado (2)(Norma)

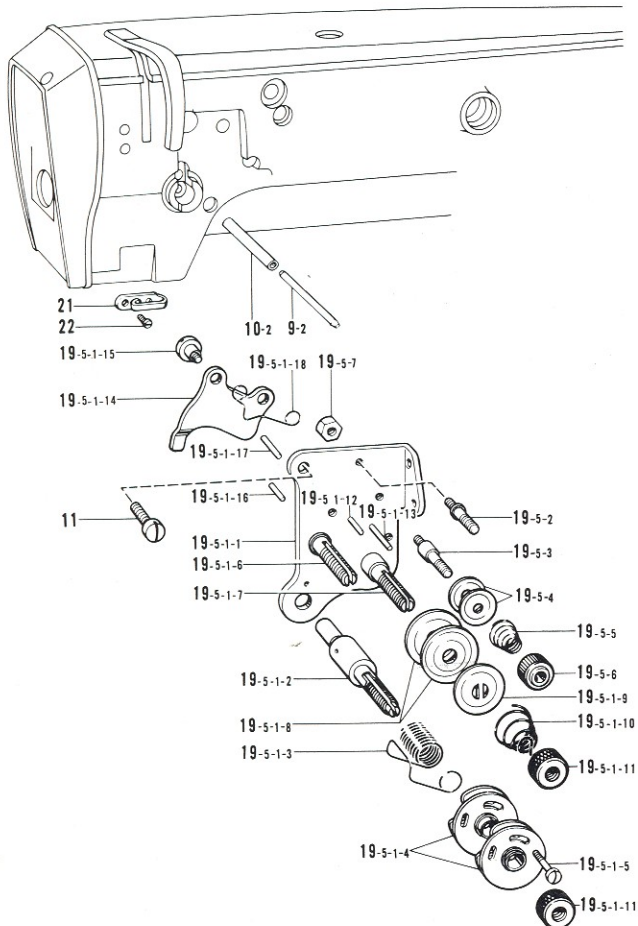


| Ref. No. | Name of Parts             | Q'ty | Parts No.   | Assembly No. |
|----------|---------------------------|------|-------------|--------------|
| 1        | Top Cover Therad Guide    | 2    | 140527-0-01 |              |
| 2        | Nut 5.95                  | 2    | 150553-0-03 |              |
| 6        | Screw 3.57                | 1    | 100064-0-02 |              |
| 7        | Stopper                   | 1    | 112709-0-01 |              |
| 8        | Screw 3.57 x 6            | 1    | 009670-6-12 |              |
| 12       | Arm Thread Guide (Upper)  | 1    | 108266-0-01 |              |
| 13       | Screw 3.57                | 1    | 108960-0-02 |              |
| 14       | Arm Thread Guide (Center) | 1    | 112658-0-01 |              |
| 15       | Screw 3.57                | 1    | 108960-0-02 |              |
| 23       | Thread Guide (F)          | 1    | 149826-0-01 |              |
| 24       | Screw 3.57                | 1    | 108960-0-02 |              |

| Ref. No. | Name of Parts              | Q'ty | Parts No.   | Assembly No. |
|----------|----------------------------|------|-------------|--------------|
| 9-1      | Tension Release Bar        | 1    | 144823-0-01 |              |
| 10-1     | Pipe                       | 1    | 112714-0-00 |              |
| 11       | Screw 4.37 x 10            | 1    | 009681-0-12 |              |
| 16       | Arm Thread Guide (Lower)   | 1    | 112715-0-01 |              |
| 17       | Screw 3.57                 | 1    | 108960-0-02 |              |
| 18       | Felt                       | 1    | 114941-0-01 |              |
| 19-1- 1  | Upper Thread Tension Plate | 1    |             |              |
| 19-1- 2  | Tension Stud               | 1    | 144680-0-01 |              |
| 19-1- 3  | Thread Take-up Spring      | 1    | 144681-0-01 |              |
| 19-1- 4  | Spring Guide Assembly      | 2    | 108254-0-01 |              |
| 19-1- 5  | Screw 2.38                 | 1    | 144682-0-01 |              |
| 19-1- 6  | Tension Stud               | 2    | 112706-0-01 |              |
| 19-1- 7  | Tension Disc               | 4    | 108263-0-01 |              |
| 19-1- 8  | Tension Disc Washer        | 2    | 108264-0-01 |              |
| 19-1- 9  | Tension Spring (for-3)     | 2    | 118317-0-01 |              |
| 19-1- 10 | Tension Spring (for-5)     | 2    | 148924-1-01 |              |
| 19-1-11  | Tension Control Nut        | 3    | 108265-0-01 |              |
| 19-1-12  | Pin                        | 2    |             |              |
| 19-1-13  | Tension Release Plate      | 1    | 144683-0-01 |              |
| 19-1-14  | Stud Screw 3.57            | 2    | 112712-0-01 |              |
| 19-1-15  | Pin                        | 1    | 144703-0-01 |              |
| 19-1-16  | Pin                        | 1    | 144704-0-01 |              |
| 19-1-17  | Tension Release Spring     | 2    | 118320-0-01 |              |
| 19-1-18  | Cap                        | 2    | 144685-0-01 |              |
| 19-1-19  | Disc                       | 2    | 144686-0-01 |              |
| 19-1-20  | Thread Guide Bracket       | 2    | 144687-0-01 |              |
| 19-1-21  | Thread Guide Spring        | 2    | 144688-0-01 |              |
| 19-1-22  | Stud Screw                 | 2    | 144689-0-01 |              |
| 19-1-23  | Nut 3.57                   | 2    | 021670-1-02 |              |
| 19-1-24  | Pin                        | 2    |             |              |

B-19-1  
 Upper Tension  
 Control Assembly  
 (for-3)  
 144678-0-01  
 (for-5)  
 148011-1-01

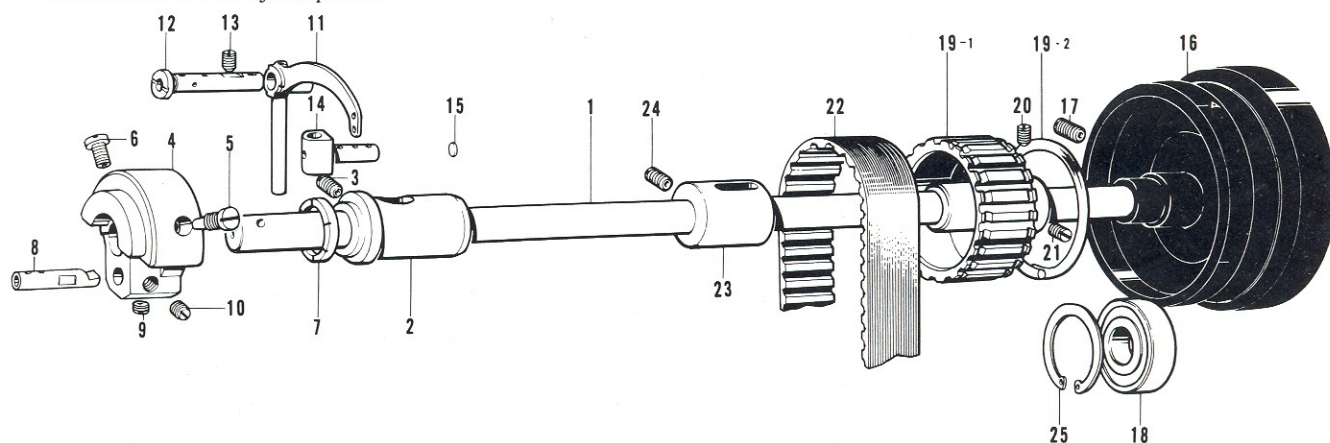
**B. Threading mechanism (3)[-400A--700A--900A]  
Fadenführungsvorrichtung (3)[-400A--700A--900A]  
Mécanisme de Jénfilage (3)[-400A--700A--900A]  
Mecanismo de la enhebrado (3)[-400A--700A--900A]**



| Ref. No.  | Name of Parts              | Q'ty | Parts No.   | Assembly No. |
|-----------|----------------------------|------|-------------|--------------|
| 9-2       | Thread Tension Releaser    | 1    | 112713-0-01 |              |
| 10-2      | Pipe                       | 1    | 148604-0-00 |              |
| 11        | Screw 4.37 x 10            | 1    | 009681-0-12 |              |
| 19-5-1- 1 | Upper Thread Tension Plate | 1    |             |              |
| 19-5-1- 2 | Tension Stud               | 1    | 144680-0-01 |              |
| 19-5-1- 3 | Thread Take-up Spring      | 1    | 155491-0-01 |              |
| 19-5-1- 4 | Spring Guide               | 2    | 108254-0-01 |              |
| 19-5-1- 5 | Screw 2.38                 | 1    | 144682-0-01 |              |
| 19-5-1- 6 | Tension Stud               | 1    |             |              |
| 19-5-1- 7 | Tension Stud (R)           | 1    |             |              |
| 19-5-1- 8 | Tension Disc               | 4    | 145446-0-01 |              |
| 19-5-1- 9 | Presser for Tension Disc   | 2    | 159805-0-01 |              |
| 19-5-1-10 | Tension Spring             | 2    | 155492-0-01 |              |
| 19-5-1-11 | Tension Control Nut        | 3    | 108265-0-01 |              |
| 19-5-1-12 | Pin                        | 1    |             |              |
| 19-5-1-13 | Pin 2.6 x 20               | 1    |             |              |
| 19-5-1-14 | Tension Release Plate      | 1    | 144683-0-01 |              |
| 19-5-1-15 | Stud Screw 3.57            | 2    | 112712-0-01 |              |
| 19-5-1-16 | Pin                        | 1    | 144703-0-01 |              |
| 19-5-1-17 | Pin (R)                    | 1    | 158769-0-01 |              |
| 19-5-1-18 | Tension Release Spring     | 1    | 118320-0-01 |              |
| 19-5-2    | Thread Guide Shaft (L)     | 1    | 158771-0-01 |              |
| 19-5-3    | Thread Guide Shaft (R)     | 1    | 158770-0-01 |              |
| 19-5-4    | Thread Guide Disc          | 4    | 144504-0-01 |              |
| 19-5-5    | Pre-Tension Spring         | 2    | 158782-1-01 |              |
| 19-5-6    | Nut                        | 2    | 155510-0-01 |              |
| 19-5-7    | Nut 3.57                   | 2    | 021670-1-02 |              |
| 21        | Arm Thread Guide (Center)  | 1    | 112658-0-01 |              |
| 22        | Screw 3.57                 | 1    | 108960-0-02 |              |

B-19-5  
Upper Tension  
Control Assembly  
158764-1-01

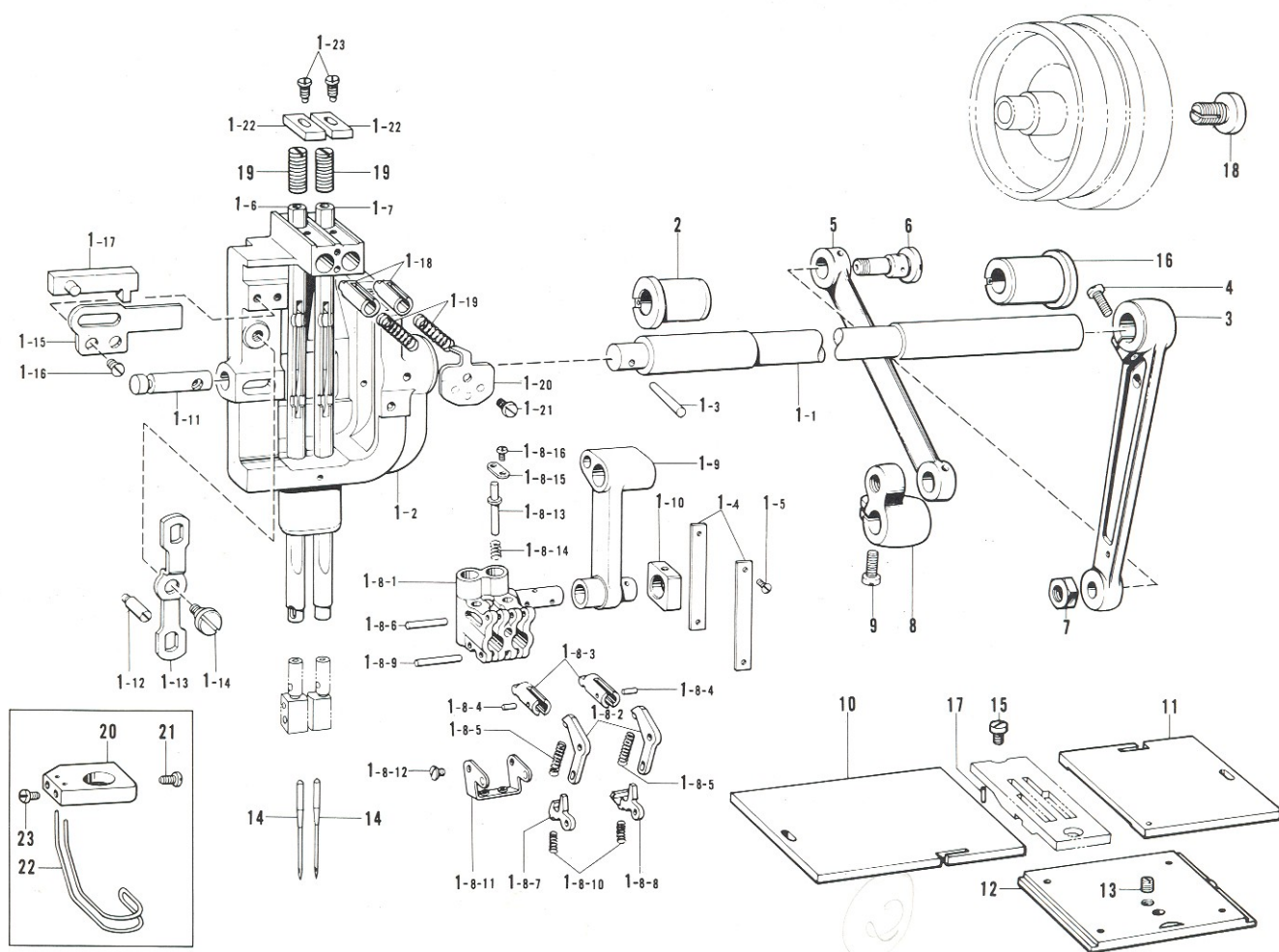
**C. Upper shaft mechanism  
Obere welle  
Mécanisme de l'arbre superieur  
Mecanismo de la eje superior**



| Ref. No. | Name of Parts                       | Q'ty | Parts No.   | Assembly No. | Ref. No. | Name of Parts                | Q'ty | Parts No.   | Assembly No. |
|----------|-------------------------------------|------|-------------|--------------|----------|------------------------------|------|-------------|--------------|
| 1        | Upper Shaft                         | 1    | 112572-0-01 |              | 15       | Pusher                       | 1    | 113024-0-00 |              |
| 2        | Upper Shaft Bushing (Left)          | 1    | 112573-0-01 |              | 16       | Pulley (for Standard)        | 1    | 144614-0-01 |              |
| 3        | Screw 5.95                          | 1    | 013761-4-10 |              |          | Pulley (for Thread Trimmer)  | 1    | 158749-0-01 |              |
| 4        | Counter Weight                      | 1    | 149820-0-00 |              | 17       | Screw 5.95                   | 2    | 013761-4-10 |              |
| 5        | Screw 7.14                          | 1    | 100250-0-01 |              | 18       | Bearing 6204 VV              | 1    | 072620-4-60 |              |
| 6        | Screw 7.14                          | 1    | 146141-0-01 |              | 19-1     | Timing Belt Wheel (Upper)    | 1    |             |              |
| 7        | Thrust Ring                         | 1    | 112576-0-01 |              | 19-2     | Side Ring                    | 2    |             |              |
| 8        | Needle Bar Crank                    | 1    | 149821-0-01 |              | 20       | Screw 6.35 x 12              | 1    | 015771-2-12 |              |
| 9        | Screw 6.35                          | 1    | 101706-0-01 |              | 21       | Screw 6.35 x 12              | 1    | 013771-2-12 |              |
| 10       | Screw 6.35                          | 1    | 100251-0-01 |              | 22       | Timing Belt                  | 1    | 112586-0-01 |              |
|          | Thread Take-up (for Standard)       | 1    | 149823-0-01 |              | 23       | Upper Shaft Bushing (Center) | 1    | 114680-0-01 |              |
|          | Thread Take-up (for Thread Trimmer) | 1    | S00314-0-01 |              | 24       | Screw 5.95                   | 1    | 013761-4-10 |              |
| 12       | Stud                                | 1    | 149824-0-01 |              | 25       | Stop Ring (C)                | 1    | 112760-0-01 |              |
| 13       | Screw 5.95                          | 1    | 013761-4-10 |              |          |                              |      |             |              |
| 14       | Thread Take-up Lever Slide Block    | 1    | 149825-0-01 |              |          |                              |      |             |              |

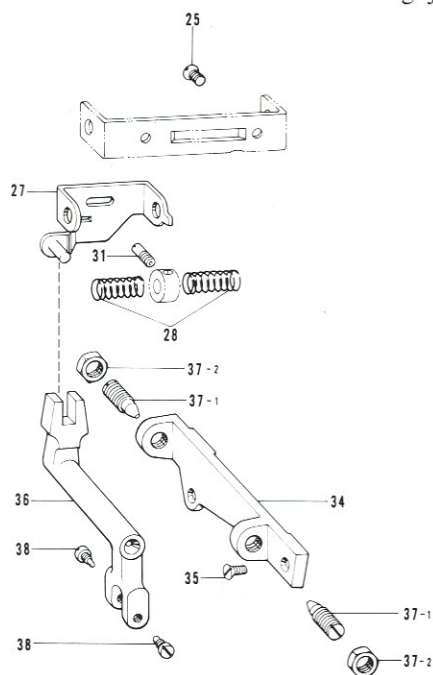
C-19  
Timing Belt Wheel  
Upper Assembly  
180157-0-01

D. Needle bar rocking mechanism / Nadelstangenbetätigung  
Mécanisme de balancement de la barre à aiguille / Mecanismo de oscilación de la barra de aguja



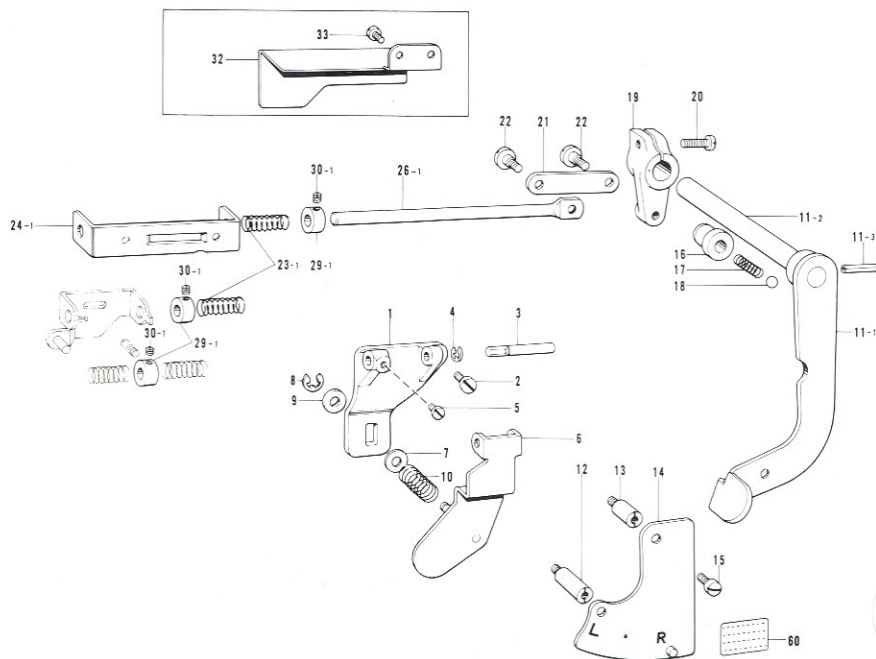
| Ref. No. | Name of Parts                      | Q'ty | Parts No.   | Assembly No.                                                                                                        | Ref. No. | Name of Parts                                   | Q'ty | Parts No.   | Assembly No.                                               |
|----------|------------------------------------|------|-------------|---------------------------------------------------------------------------------------------------------------------|----------|-------------------------------------------------|------|-------------|------------------------------------------------------------|
| 1- 1     | Needle Bar Rock Shaft              | 1    |             | D-1<br>Needle Bar<br>Rock Shaft<br>Assembly<br>150369-1-01                                                          |          | Slide Block Assembly 60 (11.60 mm)              | 1    | 149618-0-07 | D-1<br>Needle Bar<br>Rock Shaft<br>Assembly<br>150369-1-01 |
| 1- 2     | Needle Bar Support                 | 1    |             |                                                                                                                     |          | Slide Block Assembly 65 (11.65 mm)              | 1    | 149618-0-08 |                                                            |
| 1- 3     | Pin                                | 1    | 107030-0-01 |                                                                                                                     | 1-17     | Slide Block Assembly 70 (11.70 mm)              | 1    | 149618-0-09 |                                                            |
| 1- 4     | Guide Plate                        | 2    |             |                                                                                                                     |          | Slide Block Assembly 75 (11.75 mm)              | 1    | 149618-0-10 |                                                            |
| 1- 5     | Screw 2.38                         | 4    | 102731-0-04 |                                                                                                                     |          | Slide Block Assembly 80 (11.80 mm)              | 1    | 149618-0-11 |                                                            |
| 1- 6     | Needle Bar Left Assembly           | 1    | 153604-1-01 | D-1-8<br>Needle Bar<br>Clamp Assembly<br>A(9.45)<br>S00858-0-01<br>B(9.50)<br>S00858-0-02<br>C(9.51)<br>S00858-0-03 | 1-18     | Needle Bar Stopper                              | 2    | 149621-0-01 | D-1<br>Needle Bar<br>Rock Shaft<br>Assembly<br>150369-1-01 |
| 1- 7     | Needle Bar Right Assembly          | 1    | 153606-0-01 |                                                                                                                     | 1-19     | Needle Bar Stopper Spring                       | 2    | 149622-0-01 |                                                            |
| 1- 8- 1  | Needle Bar Clamp                   | 1    |             |                                                                                                                     | 1-20     | Spring Lid                                      | 1    | 149623-0-01 |                                                            |
| 1- 8- 2  | Clutch Lever                       | 2    |             |                                                                                                                     | 1-21     | Screw 3.18 x 5                                  | 1    | 001660-5-12 |                                                            |
| 1- 8- 3  | Clutch                             | 2    |             |                                                                                                                     | 1-22     | Needle Bar Rotary Stopper                       | 2    | 149624-0-01 |                                                            |
| 1- 8- 4  | Pin 1.5 x 5.8                      | 2    | 149604-0-01 |                                                                                                                     | 1-23     | Screw 3.18                                      | 2    | 149625-0-01 |                                                            |
| 1- 8- 5  | Spring                             | 2    | 149605-0-01 |                                                                                                                     | 2        | Needle Bar Rock Shaft Bushing (Left)            | 1    | 112594-0-01 |                                                            |
| 1- 8- 6  | Pin 2 x 15.8                       | 1    | 149827-0-01 |                                                                                                                     | 3        | Needle Bar Connecting Rod                       | 1    | 112595-0-00 |                                                            |
| 1- 8- 7  | Clutch Stopper (Left)              | 1    | 149606-0-01 |                                                                                                                     | 4        | Screw 6.35                                      | 1    | 105351-0-02 |                                                            |
| 1- 8- 8  | Clutch Stopper (Right)             | 1    | 149607-0-01 |                                                                                                                     | 5        | Needle Bar Rock Link                            | 1    | 112596-0-01 |                                                            |
| 1- 8- 9  | Pin 2 x 17.8                       | 1    | 149608-0-01 |                                                                                                                     | 6        | Needle Bar Rock Link Stud                       | 2    | 112597-0-01 |                                                            |
| 1- 8-10  | Slide Plate Stopper Spring         | 2    | 112609-0-01 |                                                                                                                     | 7        | Nut 7.94                                        | 2    | 101268-0-02 |                                                            |
| 1- 8-11  | Spring Holder                      | 1    | 149609-0-01 |                                                                                                                     | 8        | Needle Bar Connecting Crank                     | 1    | 112598-0-01 |                                                            |
| 1- 8-12  | Screw 2.38                         | 2    | 100105-0-05 |                                                                                                                     | 9        | Screw 6.35 x 18                                 | 1    | 009781-8-12 |                                                            |
| 1- 8-13  | Release Pin                        | 1    | 149610-0-01 |                                                                                                                     | 10       | Slide Plate (Left)                              | 1    | 112606-0-01 |                                                            |
| 1- 8-14  | Release Pin Spring                 | 1    | 149611-0-01 |                                                                                                                     | 11       | Slide Plate (Right)                             | 1    | 112607-0-01 |                                                            |
| 1- 8-15  | Release Pin Cover                  | 1    | 149612-0-01 |                                                                                                                     | 12       | Slide Plate Front Assembly (for Standard)       | 1    | 112610-0-01 |                                                            |
| 1- 8-16  | Screw 2.38                         | 1    | 114447-0-02 |                                                                                                                     | 13       | Slide Plate Front Assembly (for Thread Trimmer) | 1    | 148599-0-01 |                                                            |
| 1- 9     | Needle Bar Crank Rod               | 1    | 149613-0-01 |                                                                                                                     | 14       | Screw 5.16                                      | 1    | 116010-0-01 |                                                            |
| 1-10     | Needle Bar Guide Slide Block       | 1    | 150816-0-01 |                                                                                                                     | 15       | Needle DP x 5 (for-3)                           | 2    | 107415-0-14 |                                                            |
| 1-11     | Slide Block Driving Stud           | 1    | 149614-1-01 |                                                                                                                     | 16       | Needle DP x 5 (for-5)                           | 2    | 107415-0-22 |                                                            |
| 1-12     | Screw                              | 1    | 149615-1-01 |                                                                                                                     | 17       | Screw 3.57                                      | 1    | 112751-0-03 |                                                            |
| 1-13     | Slide Block Driving Lever          | 1    | 149616-0-01 |                                                                                                                     | 18       | Needle Bar Rock Shaft Bushing (Right)           | 1    | 112764-0-01 |                                                            |
| 1-14     | Screw 4.37                         | 1    | 120264-0-01 |                                                                                                                     | 19       | Pin                                             | 1    | 113386-0-00 |                                                            |
| 1-15     | Slide Block Guide Plate            | 1    | 149617-0-01 |                                                                                                                     | 20       | Screw 8.73                                      | 1    | 104478-0-01 |                                                            |
| 1-16     | Screw 3.57                         | 2    | 102843-0-04 |                                                                                                                     | 21       | Needle Bar Stopper Screw                        | 2    | 150817-1-01 |                                                            |
| 1-17     | Slide Block Assembly 35 (11.35 mm) | 1    | 149618-0-02 |                                                                                                                     | 22       | Finger Guard Supporter (Option Part)            | 1    | 151191-0-01 |                                                            |
|          | Slide Block Assembly 40 (11.40 mm) | 1    | 149618-0-03 |                                                                                                                     | 23       | Screw 3.57 (Option Part)                        | 1    | 144458-0-01 |                                                            |
|          | Slide Block Assembly 45 (11.45 mm) | 1    | 149618-0-04 |                                                                                                                     |          | Finger Guard (Option Part)                      | 1    | 150917-0-01 |                                                            |
|          | Slide Block Assembly 50 (11.50 mm) | 1    | 149618-0-05 |                                                                                                                     |          | Screw (Option Part)                             | 2    | 149177-0-01 |                                                            |
|          | Slide Block Assembly 55 (11.55 mm) | 1    | 149618-0-06 |                                                                                                                     |          |                                                 |      |             |                                                            |

E. Needle bar flip-up mechanism (1)  
 Nadelstangenhochstellung (1)  
 Mécanisme de sautée de la barre à aiguille (1)  
 Mecanismo del lanzador de barra de aguja (1)



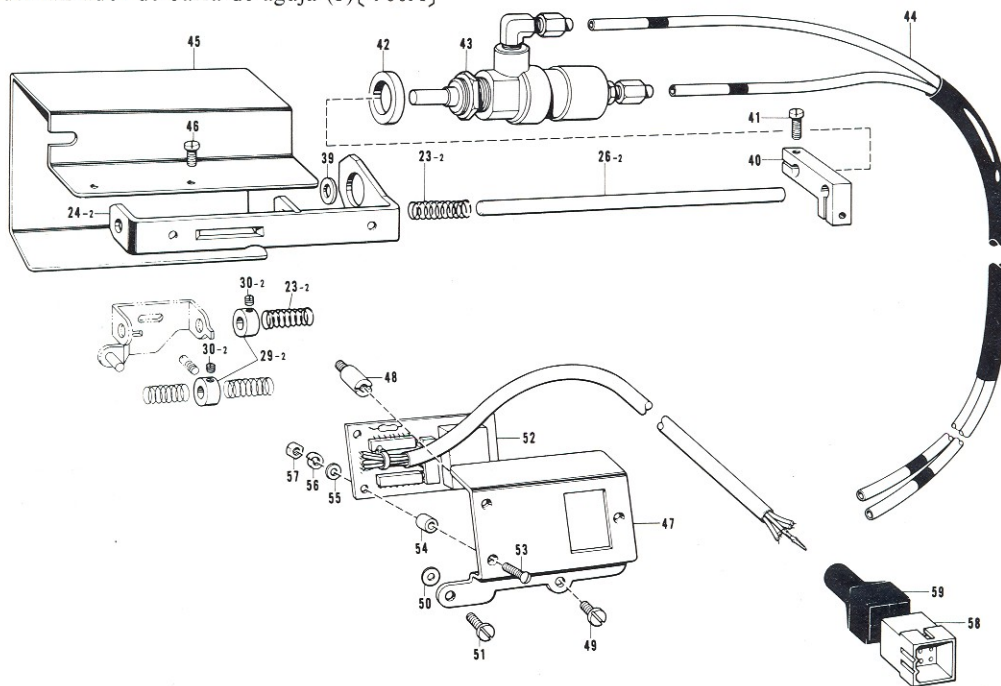
| Ref. No. | Name of Parts                        | Q'ty | Parts No.                                       | Assembly No. |
|----------|--------------------------------------|------|-------------------------------------------------|--------------|
| 25       | Screw 4.37                           | 2    | 107272-0-02                                     |              |
| 27       | Slide Shaft Support Bracket Assembly | 1    | 149860-0-01                                     |              |
| 28       | Spring                               | 2    | 149863-0-01                                     |              |
| 31       | Guide Screw                          | 1    | 149865-0-01                                     |              |
| 34       | Rock Crank Shaft Supporter           | 1    | 149867-0-01                                     |              |
| 35       | Screw 4.37                           | 2    | 107272-0-02                                     |              |
| 36       | Rock Crank                           | 1    | 149868-0-01                                     |              |
| 37-1     | Taper Screw (Right) 7.14             | 2    | E-37<br>Taper Screw<br>Assembly<br>115638-0-0-4 |              |
| 37-2     | Nut 7.14                             | 2    |                                                 |              |
| 38       | Screw                                | 2    | 100043-0-03                                     |              |

E. Needle bar flip-up mechanism (2)(Standard•-400A•-700A)  
 Nadelstangenhochstellung (2)(Norm•-400A•-700A)  
 Mécanisme de sautée de la barre à aiguille (2)(Standard•-400A•-700A)  
 Mecanismo del lanzador de barra de aguja (2)(Norma•-400A•-700A)



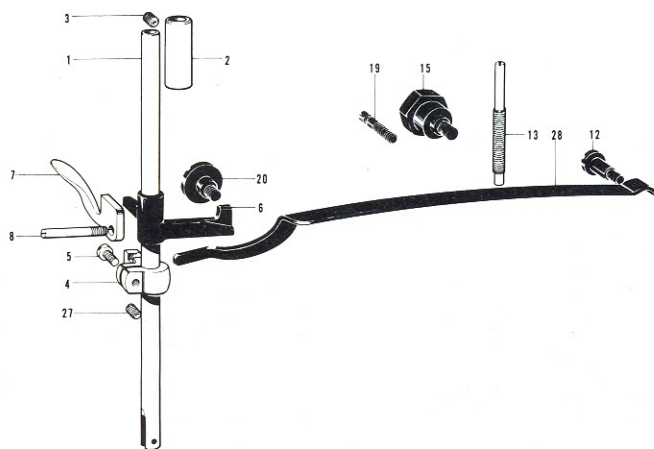
| Ref. No. | Name of Parts                 | Q'ty | Parts No.                                           | Assembly No. | Ref. No. | Name of Parts                    | Q'ty | Parts No.   | Assembly No. |
|----------|-------------------------------|------|-----------------------------------------------------|--------------|----------|----------------------------------|------|-------------|--------------|
| 1        | Push Lever Bracket            | 1    | 149837-0-01                                         |              | 15       | Screw 4.76 x 8                   | 2    | 009710-8-12 |              |
| 2        | Screw 4.76 x 10               | 2    | 009711-0-12                                         |              | 16       | Joint Guide Bushing              | 1    | 150819-0-01 |              |
| 3        | Stud 5 x 32                   | 1    | 149838-0-01                                         |              | 17       | Spring                           | 1    | 150820-0-01 |              |
| 4        | Stop Ring E4                  | 1    | 048040-3-42                                         |              | 18       | Steel Ball 1/4                   | 1    | 071063-5-50 |              |
| 5        | Screw 3.57                    | 1    | 009670-5-12                                         |              | 19       | Lever Shaft Arm                  | 1    | 149855-0-01 |              |
| 6        | Push Lever Assembly           | 1    | 149839-0-01                                         |              | 20       | Screw 4.76 x 14                  | 1    | 009711-4-12 |              |
| 7        | Washer 4.76                   | 1    | 025710-2-32                                         |              | 21       | Lever Shaft Arm Link             | 1    | 149856-0-01 |              |
| 8        | Stop Ring E3                  | 1    | 048030-3-42                                         |              | 22       | Screw 4.37                       | 2    | 146597-1-01 |              |
| 9        | Washer 4.76                   | 1    | 025710-2-32                                         |              | 23-1     | Spring                           | 2    | 149857-0-01 |              |
| 10       | Spring                        | 1    | 149843-0-01                                         |              | 24-1     | Slide Shaft Supporter            | 1    | 149858-0-01 |              |
| 11-1     | Stop Lever                    | 1    | E-11<br>Stop Lever<br>Shaft Assembly<br>149847-0-01 |              | 26-1     | Slide Shaft                      | 1    | 149859-0-01 |              |
| 11-2     | Stop Lever Shaft              | 1    |                                                     |              | 29-1     | Set Collar                       | 3    | 149864-0-01 |              |
| 11-3     | Spring Pin AW3                | 1    |                                                     |              | 30-1     | Screw 3.57                       | 5    | 011679-3-12 |              |
| 12       | Stud (L)                      | 1    |                                                     |              | 32       | Slide Shaft Cover (for Standard) | 1    | 149866-0-02 |              |
| 13       | Stud (S)                      | 1    | 149852-0-01                                         |              | 33       | Screw 3.57 x 6 (for Standard)    | 2    | 009670-6-12 |              |
| 14       | Flip-up Holder Plate Assembly | 1    | 150818-0-01                                         |              | 60       | Label                            | 1    |             |              |

E. Needle bar flip-up mechanism (3)[-900A]  
Nadelstangenhochstellung (3)[-900A]  
Mécanisme de sautée de la barre à aiguille (3)[-900A]  
Mecanismo del lanzador de barra de aguja (3)[-900A]



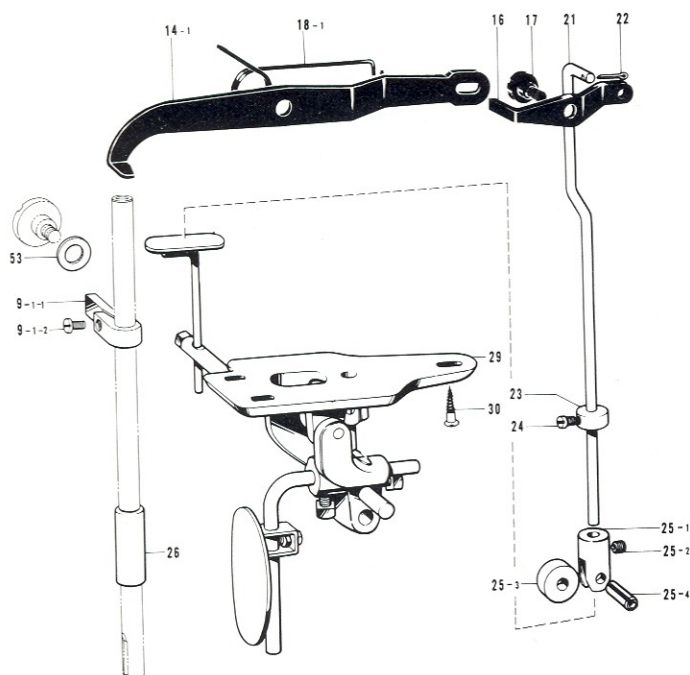
| Ref. No. | Name of Parts         | Q'ty | Parts No.   | Assembly No. | Ref. No. | Name of Parts       | Q'ty | Parts No.   | Assembly No. |
|----------|-----------------------|------|-------------|--------------|----------|---------------------|------|-------------|--------------|
| 23-2     | Spring                | 2    | 153066-0-01 |              | 47       | Led Mount           | 1    | 154498-1-01 |              |
| 24-2     | Slide Shaft Supporter | 1    | 153064-0-01 |              | 48       | Stud (S)            | 1    | 149853-0-01 |              |
| 26-2     | Slide Shaft           | 1    | 153065-0-01 |              | 49       | Screw 4.76 x 8      | 1    | 009710-8-12 |              |
| 29-2     | Set Color             | 2    | 149864-0-01 |              | 50       | Washer              | 1    | 110735-0-01 |              |
| 30-2     | Screw 3.57            | 3    | 011679-3-12 |              | 51       | Screw 4.37 x 12     | 1    | 009681-2-12 |              |
| 39       | Washer                | 2    | 118735-0-01 |              | 52       | Led Circuit Board   | 1    | S00315-0-01 |              |
| 40       | Joint                 | 1    | 153067-0-01 |              | 53       | Screw 3.57 x 14     | 3    | 151626-0-01 |              |
| 41       | Screw 3.57 x 10       | 2    | 009671-0-12 |              | 54       | Spacer              | 3    | 154514-0-01 |              |
| 42       | Spacer                | 1    | 153068-0-01 |              | 55       | Washer              | 3    | 105248-0-03 |              |
| 43       | Cylinder Assembly     | 1    | 153069-0-01 |              | 56       | Washer 2-3.5        | 3    | 028350-2-42 |              |
| 44       | Air Tube Assembly     | 1    | 154491-0-01 |              | 57       | Nut 3.57            | 3    | 021670-1-02 |              |
| 45       | Cylinder Cover        | 1    | 153073-0-02 |              | 58       | Nylon Connector 12P | 1    | 153969-0-00 |              |
| 46       | Screw 4.37 x 7        | 2    | 009680-7-12 |              | 59       | Connector Cap 5     | 1    | 153971-0-01 |              |

F. Presser foot mechanism (1)  
Stoffdruckerfuß (1)  
Mécanisme du pied presseur (1)  
Mecanismo del prensa telas (1)

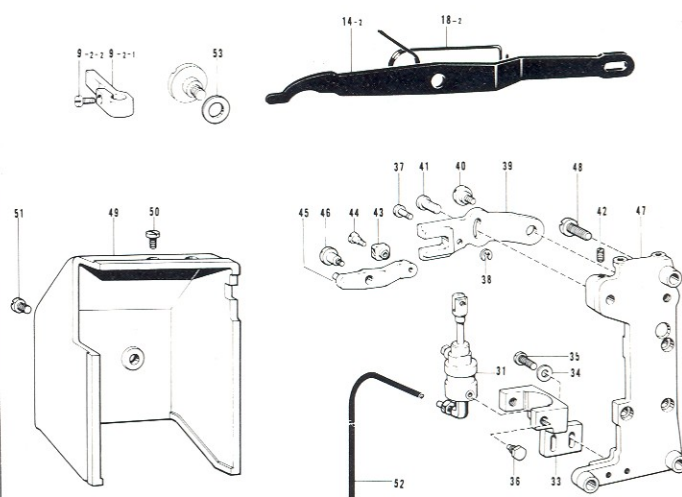


| Ref. No. | Name of Parts               | Q'ty | Parts No.   | Assembly No. |
|----------|-----------------------------|------|-------------|--------------|
| 1        | Presser Bar                 | 1    | 112614-0-01 |              |
| 2        | Presser Bar Bushing (Upper) | 1    | 112615-0-01 |              |
| 3        | Screw 5.95                  | 1    | 013760-6-10 |              |
| 4        | Presser Bar Bracket         | 1    | 112616-0-01 |              |
| 5        | Screw 3.57 x 8              | 1    | 009670-8-12 |              |
| 6        | Presser Bar Lifter          | 1    | 148483-0-01 |              |
| 7        | Presser Foot Lifter         | 1    | 112618-0-01 |              |
| 8        | Screw                       | 1    | 112619-0-01 |              |
| 12       | Stud Screw 6.35             | 1    | 112623-0-01 |              |
| 13       | Presser Adjusting Screw     | 1    | 112624-0-01 |              |
| 15       | Stud Screw 6.35             | 1    | 112626-0-01 |              |
| 19       | Stopper Screw               | 1    | 112630-0-01 |              |
| 20       | Screw                       | 1    | 112631-0-01 |              |
| 27       | Screw 5.95                  | 1    | 151605-0-01 |              |
| 28       | Presser Plate Spring        | 1    | 118170-1-01 |              |

F. Presser foot mechanism (2)[Standard-400A]  
 Stoffdrückerfuß (2)[Norm-400A]  
 Mécanisme du pied presseur (2)[Standard-400A]  
 Mecanismo del prensa telas (2)[Norma-400A]



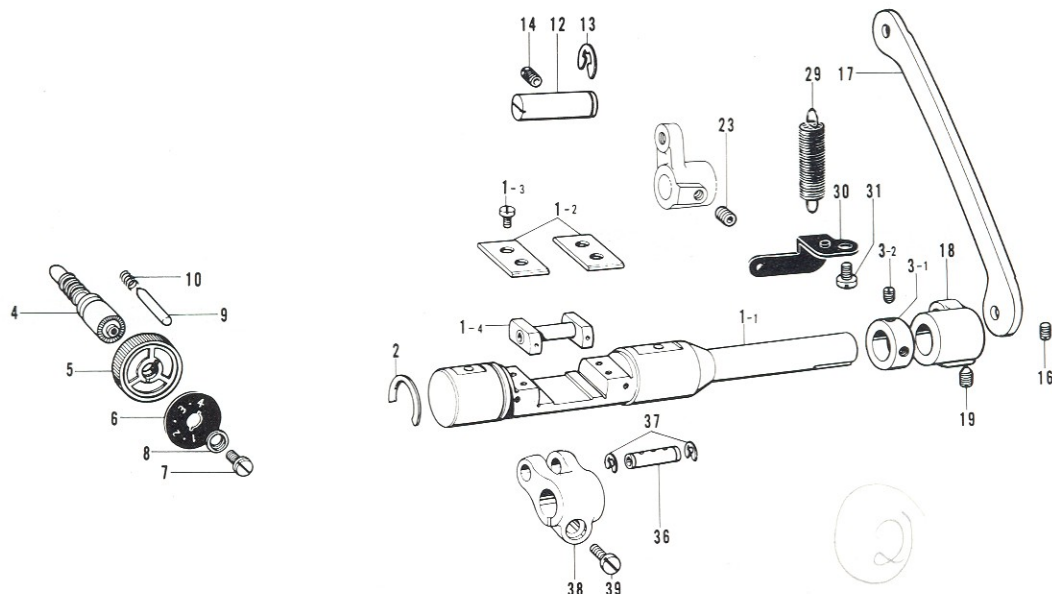
F. Presser foot mechanism (3)[-700A-900A]  
 Stoffdrückerfuß (3)[-700A-900A]  
 Mécanisme du pied Presseur (3)[-700A-900A]  
 Mecanismo del prensa telas (3)[-700A-900A]



| Ref. No. | Name of Parts                               | Q'ty | Parts No.   | Assembly No.                                                                                         |
|----------|---------------------------------------------|------|-------------|------------------------------------------------------------------------------------------------------|
| 9-1-1    | Presser Bar Guide                           | 1    |             | F-9-1<br>Presser Bar<br>Guide Assembly<br>(for Standard)<br>180950-0-01<br>(for 400A)<br>148835-0-01 |
| 9-1-2    | Screw 4.37 x 7                              | 1    | 009680-7-12 |                                                                                                      |
| 14-1     | Knee Lifter Connecting Lever (for Standard) | 1    | 112625-0-01 |                                                                                                      |
|          | Knee Lifter Connecting Lever (for-400A)     | 1    | 148486-0-01 |                                                                                                      |
| 16       | Knee Lifter Lever                           | 1    | 155505-0-01 |                                                                                                      |
| 17       | Stud Screw 6.35                             | 1    | 112628-0-01 |                                                                                                      |
| 18-1     | Spring                                      | 1    | 112629-0-01 |                                                                                                      |
| 21       | Knee Lifter Connecting Rod                  | 1    | 155447-1-01 |                                                                                                      |
| 22       | Pin                                         | 1    | 114909-0-00 |                                                                                                      |
| 23       | Set Collar                                  | 1    | 159436-0-01 |                                                                                                      |
| 24       | Screw 4.37                                  | 1    | 104908-0-04 |                                                                                                      |
| 25-1     | Roller Bracket                              | 1    |             | F-25<br>Knee Lifter<br>Roller Assembly<br>156824-0-01                                                |
| 25-2     | Screw 4.37                                  | 1    | 151601-0-02 |                                                                                                      |
| 25-3     | Roller                                      | 1    | 112636-0-01 |                                                                                                      |
| 25-4     | Spring Pin AW5                              | 1    | 047501-2-42 |                                                                                                      |
| 26       | Presser Bar Bushing (Lower)                 | 1    | 112763-0-01 |                                                                                                      |
| 29       | Knee Lifter Assembly (for Standard)         | 1    | 113380-0-01 |                                                                                                      |
|          | Knee Lifter Assembly (for-400A)             | 1    | 148674-0-01 |                                                                                                      |
| 30       | Screw 6.2 x 32                              | 3    | 106030-0-01 |                                                                                                      |
| 53       | Collar (for-400A)                           | 1    | 148605-0-01 |                                                                                                      |

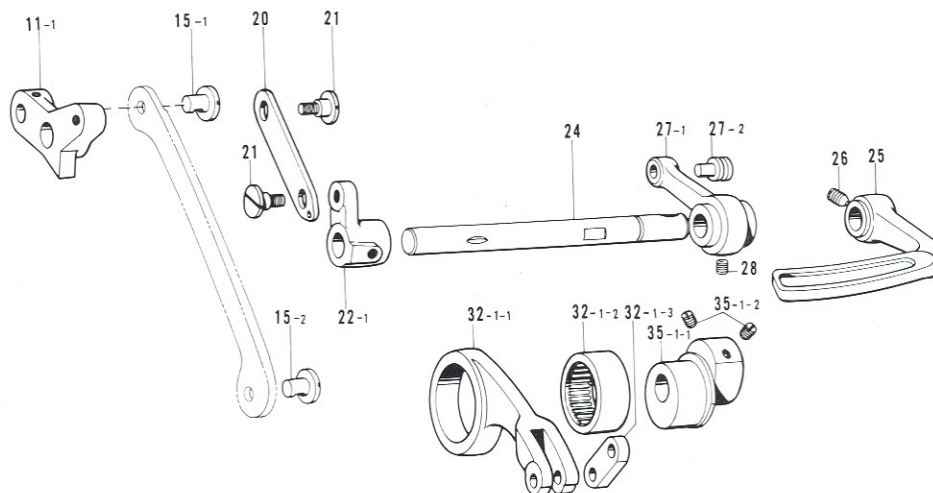
| Ref. No. | Name of Parts                                | Q'ty | Parts No.   | Assembly No.                                          |
|----------|----------------------------------------------|------|-------------|-------------------------------------------------------|
| 9-2-1    | Presser Bar Guide                            | 1    |             | F-9-2<br>Presser Bar<br>Guide Assembly<br>148835-0-01 |
| 9-2-2    | Screw 4.37 x 7                               | 1    | 009680-7-12 |                                                       |
| 14-2     | Knee Lifter Connecting Lever                 | 1    | 148486-0-01 |                                                       |
| 18-2     | Spring                                       | 1    | 149768-0-01 |                                                       |
| 31       | Presser Foot Lifter Cylinder (for-700A-900A) | 1    | 159621-0-01 |                                                       |
| 33       | Cylinder Supporter                           | 1    | 159605-0-01 |                                                       |
| 34       | Washer 4.76                                  | 2    | 025710-2-32 |                                                       |
| 35       | Screw 4.76 x 16                              | 2    | 009711-6-12 |                                                       |
| 36       | Screw                                        | 2    | 140620-0-01 |                                                       |
| 37       | Pin                                          | 1    | 146153-0-01 |                                                       |
| 38       | Stop Ring E4                                 | 1    | 048040-3-42 |                                                       |
| 39       | Presser Foot Lifter Lever                    | 1    | 149024-0-01 |                                                       |
| 40       | Stud Screw 6.35                              | 1    | 141439-0-01 |                                                       |
| 41       | Pin                                          | 1    | 118713-0-01 |                                                       |
| 42       | Screw 4.76                                   | 1    | 013710-7-12 |                                                       |
| 43       | Slide Block Assembly                         | 1    | 149025-0-01 |                                                       |
| 44       | Screw                                        | 1    | 141494-0-01 |                                                       |
| 45       | Lever Assembly                               | 1    | 149027-0-01 |                                                       |
| 46       | Screw 6.35                                   | 1    | 149991-0-01 |                                                       |
| 47       | Cylinder Base                                | 1    | 159606-0-01 |                                                       |
| 48       | Screw 6.35 x 14                              | 3    | 009782-5-12 |                                                       |
| 49       | Cylinder Cover                               | 1    | 159607-0-01 |                                                       |
| 50       | Screw 4.76 x 8                               | 2    | 009710-8-12 |                                                       |
| 51       | Screw 5 x 6                                  | 1    | 007500-6-02 |                                                       |
| 52       | Air Tube                                     | 1    | 159608-0-01 |                                                       |
| 53       | Collar                                       | 1    | 148605-0-01 |                                                       |

G. Feed mechanism (1)  
 Transportvorrichtung (1)  
 Mécanisme de l'entraînement (1)  
 Mecanismo de la alimentación (1)



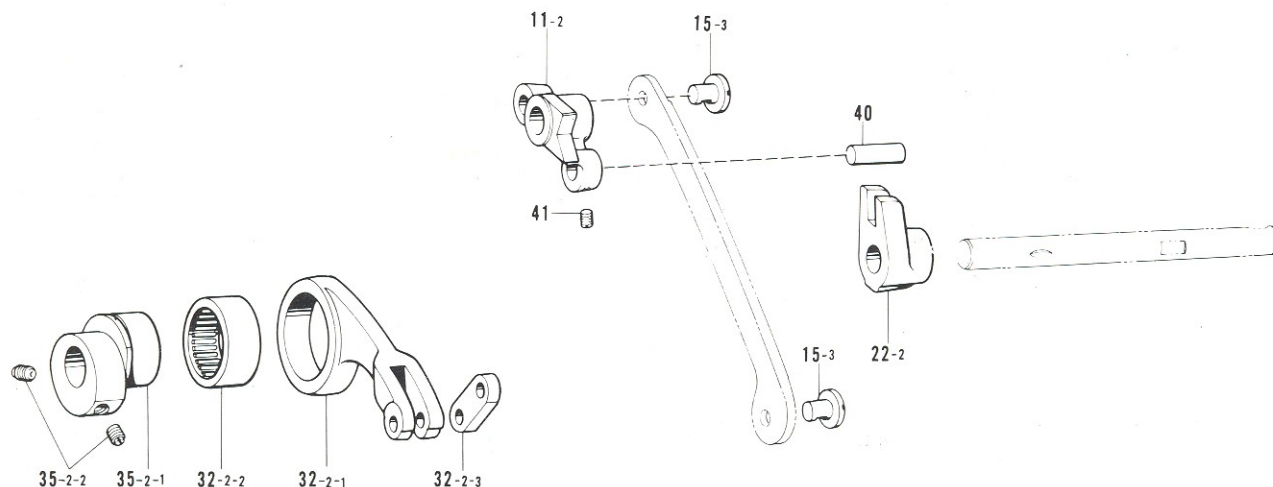
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|----------|-------------------------|------|-------------|--------------------------------------------------------|----------|--------------------------------|------|-------------|--------------|
| 1-1      | Feed Regulator Shaft    | 1    |             |                                                        | 13       | Stop Ring E7                   | 1    | 048070-3-42 |              |
| 1-2      | Slide Block Guide Plate | 2    | 143594-0-01 |                                                        | 14       | Screw 5.95                     | 1    | 013761-4-10 |              |
| 1-3      | Screw 4.37 x 10         | 4    | 009681-0-12 |                                                        | 16       | Screw 4.37                     | 2    | 151602-0-01 |              |
| 1-4      | Slide Block Assembly    | 1    | 145328-0-01 | G-1<br>Feed Regulator<br>Shaft Assembly<br>148771-0-01 | 17       | Feed Regulator Connecting Link | 1    | 148487-0-01 |              |
| 2        | Stop Ring               | 1    | 143597-0-01 |                                                        | 18       | Feed Regulator Arm             | 1    | 148500-0-01 |              |
| 3-1      | Collar                  | 1    |             |                                                        | 19       | Screw 5.95                     | 1    | 118853-0-01 |              |
| 3-2      | Screw 6.35              | 2    | 101706-0-01 | G-3<br>Collar Assembly<br>180321-0-01                  | 23       | Screw 5.95                     | 1    | 118853-0-01 |              |
| 4        | Length Control Screw    | 1    | 159361-0-01 |                                                        | 29       | Spring                         | 1    | 143609-0-01 |              |
| 5        | Length Control Dial     | 1    | 153168-0-01 |                                                        | 30       | Spring Hook Plate              | 1    | 143610-0-01 |              |
| 6        | Length Control Plate    | 1    | 151507-0-01 |                                                        | 31       | Screw 4.76 x 8                 | 1    | 009710-8-12 |              |
| 7        | Screw 4.76              | 1    | 142747-0-02 |                                                        | 36       | Stud                           | 1    | 143616-0-01 |              |
| 8        | Washer                  | 1    | 142746-0-02 |                                                        | 37       | Stop Ring E6                   | 2    | 048060-3-42 |              |
| 9        | Pin                     | 1    | 145502-0-01 |                                                        | 38       | Lever Feed Arm                 | 1    | 148495-0-01 |              |
| 10       | Notch Spring            | 1    | 100328-0-01 |                                                        | 39       | Screw 6.35 x 18                | 1    | 009781-8-12 |              |
| 12       | Feed Regulator Stud     | 1    | 148488-0-01 |                                                        |          |                                |      |             |              |

G. Feed mechanism (2)[Standard]  
 Transportvorrichtung (2)[Norm]  
 Mécanisme de l'entraînement (2)[Standard]  
 Mecanismo de la alimentación (2)[Norma]



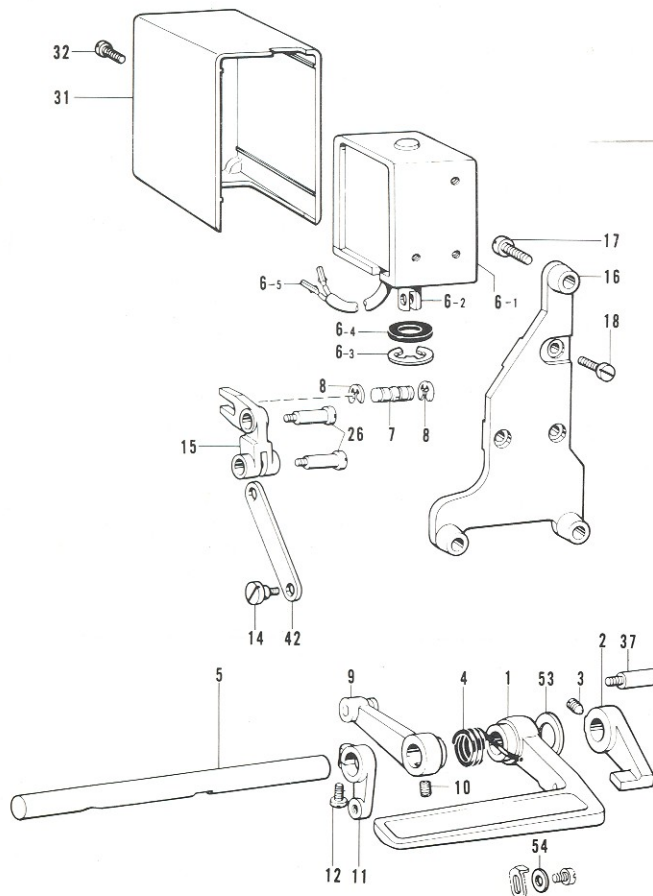
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|----------|----------------------------|------|-------------|--------------|----------|-------------------------------|------|-------------|-------------------------------------------------------------------|
| 11-1     | Feed Regulator             | 1    | 148489-0-01 |              | 27-1     | Link (B)                      | 1    |             | G-27<br>Link Assembly<br>143608-0-01                              |
| 15-1     | Pin                        | 1    | 118713-0-01 |              | 27-2     | Spring Hook                   | 1    | 108546-0-01 |                                                                   |
| 15-2     | Pin                        | 1    | 148501-1-01 |              | 28       | Screw 5.95 x 6                | 1    | 014760-6-22 |                                                                   |
| 20       | Connecting Plate           | 1    | 118746-0-01 |              | 32-1-1   | Level Feed Connecting Rod     | 1    | 143612-0-00 | G-32-1<br>Level Feed<br>Connection<br>Rod Assembly<br>143611-0-01 |
| 21       | Stud Screw 4.37            | 2    | 112072-0-01 |              | 32-1-2   | Needle Bearing                | 1    | 118954-0-00 |                                                                   |
| 22-1     | Lever                      | 1    | 118747-0-01 |              | 32-1-3   | Level Feed Connecting Linh. k | 1    | 143613-0-01 |                                                                   |
| 24       | Feed Regulator Lever Shaft | 1    | 151080-0-01 |              | 35-1-1   | Eccentric Wheel               | 1    |             | G-35-1<br>Eccentric Wheel<br>Assembly<br>148802-0-01              |
| 25       | Reverse Lever              | 1    | 118752-0-03 |              | 35-1-2   | Screw 5.95                    | 2    | 151605-0-01 |                                                                   |
| 26       | Screw 6.35 x 10            | 1    | 015771-0-12 |              |          |                               |      |             |                                                                   |

G. Feed mechanism (3)[-400A.-700A.-900A]  
 Transportvorrichtung (3)[-400A.-700A.-900A]  
 Mécanisme de l'entraînement (3)[-400A.-700A.-900A]  
 Mecanismo de la alimentación (3)[-400A.-700A.-900A]



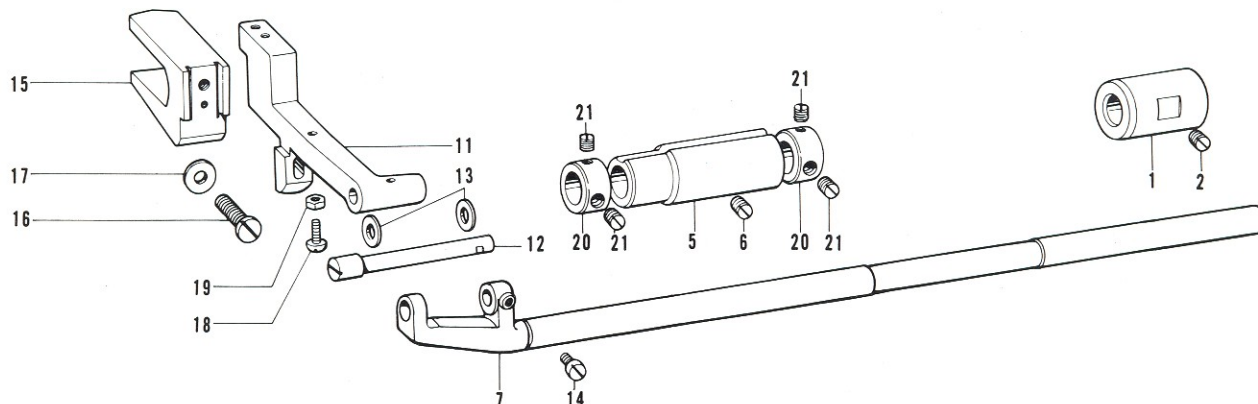
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|----------|----------------------------|------|-------------|-------------------------------------------------------------------|----------|-----------------|------|-------------|------------------------------------------------------|
| 11-2     | Feed Regulator             | 1    | 158747-0-01 |                                                                   | 35-2-1   | Eccentric Wheel | 1    |             | G-35-2<br>Eccentric Wheel<br>Assembly<br>155451-0-01 |
| 15-3     | Pin                        | 2    | 148501-1-01 |                                                                   | 35-2-2   | Screw 5.95      | 2    | 151605-0-01 |                                                      |
| 22-2     | Lever                      | 1    | 158748-0-01 |                                                                   | 40       | Link Stud       | 1    | 156956-0-01 |                                                      |
| 32-2-1   | Level Feed Connecting Rod  | 1    | 148496-0-00 | G-32-2<br>Level Feed<br>Connecting<br>Rod Assembly<br>148801-0-01 | 41       | Screw 4.37      | 1    | 151602-0-01 |                                                      |
| 32-2-2   | Needle Bearing             | 1    | 118954-0-00 |                                                                   |          |                 |      |             |                                                      |
| 32-2-3   | Level Feed Connecting Link | 1    | 143613-0-01 |                                                                   |          |                 |      |             |                                                      |

H. Quick reverse mechanism[-400A.-700A.-900A]  
 Umkehr[-400A.-700A.-900A]  
 Mécanisme de marche arrière rapide[-400A.-700A.-900A]  
 Mecanismo de inversión rápida[-400A.-700A.-900A]



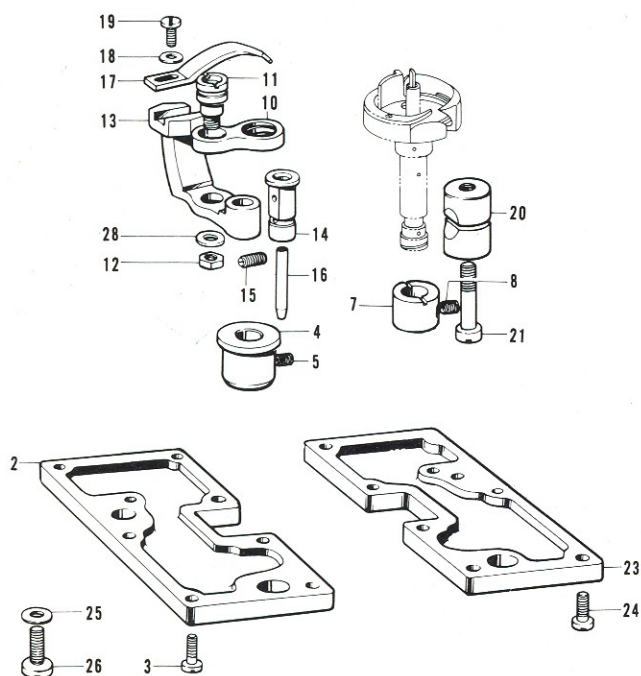
| Ref. No. | Name of Parts                          | Q'ty | Parts No.   | Assembly No.                                                                                                                           |
|----------|----------------------------------------|------|-------------|----------------------------------------------------------------------------------------------------------------------------------------|
| 1        | Reverse Lever                          | 1    | 156362-0-01 |                                                                                                                                        |
| 2        | Reverse Lever (B)                      | 1    | 148607-0-02 |                                                                                                                                        |
| 3        | Screw 6.35 x 10                        | 1    | 015771-0-12 | XXXX                                                                                                                                   |
| 4        | Spring                                 | 1    | 148608-0-01 |                                                                                                                                        |
| 5        | Reverse Lever Shaft                    | 1    | 159429-0-01 |                                                                                                                                        |
| 6-1      | Solenoid                               | 1    |             | H-6 Reverse<br>Solenoid Assembly<br>(for EFKA Motor)<br>154734-0-01<br>(for Brother Motor)<br>159902-0-01<br>(for 900A)<br>154732-0-01 |
| 6-2      | Plunger                                | 1    | 154729-0-01 |                                                                                                                                        |
| 6-3      | Stop Ring E15                          | 1    | 154730-0-01 |                                                                                                                                        |
| 6-4      | Rubber Stopper                         | 1    | 154731-0-00 |                                                                                                                                        |
| 6-5      | Terminal Pin (for 900A, Brother Motor) | 2    | 143549-0-00 |                                                                                                                                        |
| 7        | Pin                                    | 1    | 149174-0-01 |                                                                                                                                        |
| 8        | Stop Ring E4                           | 2    | 048040-3-42 |                                                                                                                                        |
| 9        | Feed Regulator Link                    | 1    | 148638-0-01 |                                                                                                                                        |
| 10       | Screw 5.95 x 6                         | 1    | 014760-6-22 |                                                                                                                                        |
| 11       | Reverse Lever Shaft Arm                | 1    | 148640-0-01 |                                                                                                                                        |
| 12       | Screw 4.76 x 14                        | 1    | 009711-4-12 |                                                                                                                                        |
| 14       | Stud Screw 4.76                        | 1    | 110171-0-01 |                                                                                                                                        |
| 15       | Reverse Crank                          | 1    | 158753-0-01 |                                                                                                                                        |
| 16       | Reverse Solenoid Bracket (for 400A)    | 1    | 158752-0-01 |                                                                                                                                        |
| 17       | Screw 6.35 x 25 (for 400A)             | 3    | 009782-5-12 |                                                                                                                                        |
| 18       | Screw 5 x 8                            | 3    | 007500-8-02 |                                                                                                                                        |
| 26       | Stud Screw 4.76                        | 2    | 148764-0-01 |                                                                                                                                        |
| 31       | Solenoid Cover (for 400A)              | 1    | 146105-0-00 |                                                                                                                                        |
| 32       | Screw 5 x 6 (for 400A)                 | 1    | 007500-6-02 |                                                                                                                                        |
| 37       | Screw                                  | 1    | 141748-0-01 |                                                                                                                                        |
| 42       | Reverse Link                           | 1    | 149063-0-01 |                                                                                                                                        |
| 53       | Thrust Ring                            | 1    | 149554-0-01 |                                                                                                                                        |
| 54       | Washer                                 | 1    | 100645-0-03 |                                                                                                                                        |

**J. Feed shaft mechanism**  
 Transport welle  
 Mécanisme de l'arbre entraînement  
 Mecanismo de la eje alimentación



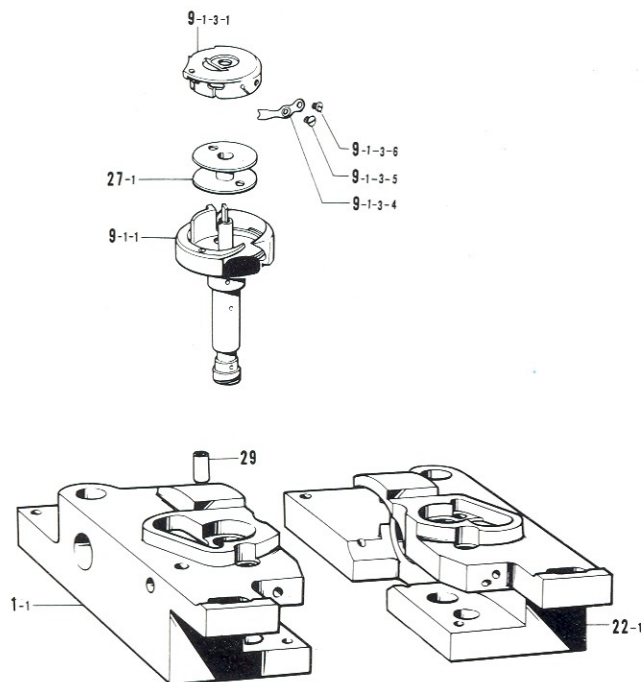
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|----------|--------------------------------------|------|-------------|--------------|----------|-----------------|------|-------------|--------------|
| 1        | Feed Rock Shaft Bushing (Right)      | 1    | 148493-0-01 |              | 13       | Thrust Ring     | 2    | 143591-0-01 |              |
| 2        | Screw 5.95                           | 1    | 013761-4-10 |              | 14       | Screw 4.37      | 1    | 104908-0-04 |              |
| 5        | Feed Rock Shaft Bushing (Left)       | 1    | 148494-0-01 |              | 15       | Feed Bar Fork   | 1    | 112656-0-01 |              |
| 6        | Screw 5.95                           | 1    | 013761-4-10 |              | 16       | Screw 5.95 x 14 | 1    | 009761-4-12 |              |
| 7        | Feed Rock Shaft (for Standard)       | 1    | 149001-0-01 |              | 17       | Washer 6        | 1    | 025060-1-32 |              |
|          | Feed Rock Shaft (for Thread Trimmer) | 1    | 148492-0-01 |              | 18       | Screw 3.18      | 1    | 107278-0-02 |              |
| 11       | Feed Bar (for Standard)              | 1    | 151081-0-01 |              | 19       | Nut 3.18        | 1    | 021660-1-02 |              |
|          | Feed Bar (for Thread Trimmer)        | 1    | 148490-0-01 |              | 20       | Collar          | 2    | 113074-0-01 |              |
| 12       | Feed Bar Shaft (for Standard)        | 1    | 148977-0-01 |              | 21       | Screw 6.35      | 4    | 101706-0-01 |              |
|          | Feed Bar Shaft (for Thread Trimmer)  | 1    | 148491-0-01 |              |          |                 |      |             |              |

**K. Rotary hook mechanism (1)**  
 Greifervorrichtung (1)  
 Mécanisme du crochet rotatif (1)  
 Mecanismo del cangrejo (1)



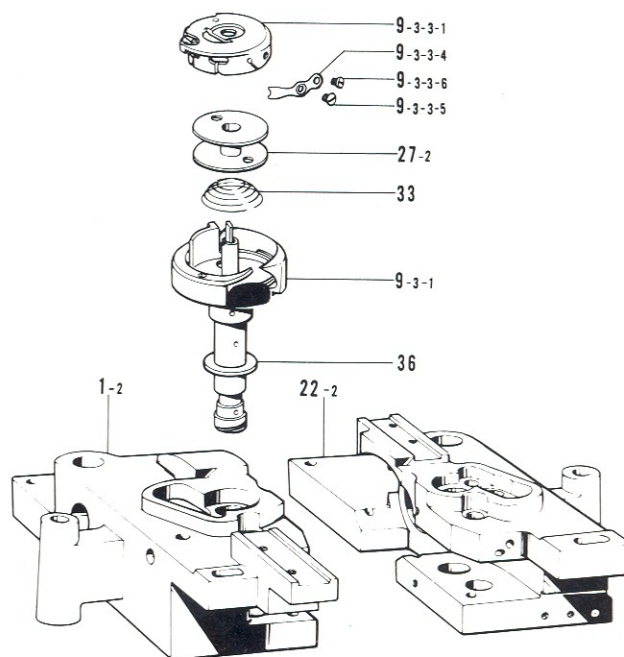
| Ref. No. | Name of Parts                          | Q'ty | Parts No.   | Assembly No. |
|----------|----------------------------------------|------|-------------|--------------|
| 2        | Oil Reservoir (Left)                   | 1    | 112686-0-01 |              |
| 3        | Screw 4.76                             | 8    | 100320-0-02 |              |
| 4        | Rotary Hook Shaft Bushing (Lower)      | 2    | 112687-0-01 |              |
| 5        | Screw 4.76                             | 2    | 107794-0-01 |              |
| 7        | Rotary Hook Shaft Bushing (Upper)      | 2    | 112690-0-01 |              |
| 8        | Screw 4.76                             | 2    | 107794-0-01 |              |
| 10       | Opener Link                            | 2    | 112692-0-01 |              |
| 11       | Link Stud Opener                       | 2    | 148005-0-01 |              |
| 12       | Nut 4.76                               | 2    | 110161-0-06 |              |
| 13       | Opener Crank                           | 2    | 112694-0-01 |              |
| 14       | Opener Crank Stud                      | 2    | 112695-0-01 |              |
| 15       | Screw 4.76                             | 2    | 153483-0-01 |              |
| 16       | Pipe                                   | 1    | 112696-0-00 |              |
| 17       | Bobbin Case Opener <i>9/64 x 40</i>    | 2    | 112697-0-01 |              |
| 18       | Washer                                 | 2    | 105161-0-02 |              |
| 19       | Screw 3.57 x 8                         | 2    | 009670-8-12 |              |
| 20       | Pinch Sleeve                           | 2    | 112699-0-01 |              |
| 21       | Screw 5.95                             | 2    | 112700-0-01 |              |
| 23       | Rotary Hook Base Oil Reservoir (Right) | 1    | 112702-0-01 |              |
| 24       | Screw 4.76                             | 8    | 100320-0-02 |              |
| 25       | Washer                                 | 2    | 100197-0-02 |              |
| 26       | Screw 6.35                             | 2    | 105351-0-02 |              |
| 28       | Washer 4.76                            | 2    | 025710-2-32 |              |

K. Rotary hook mechanism (2)[Standard]  
 Greifervorrichtung (2)[Norm]  
 Mécanisme du crochet rotatif (2)[Standard]  
 Mecanismo del cangrejo (2)[Norma]



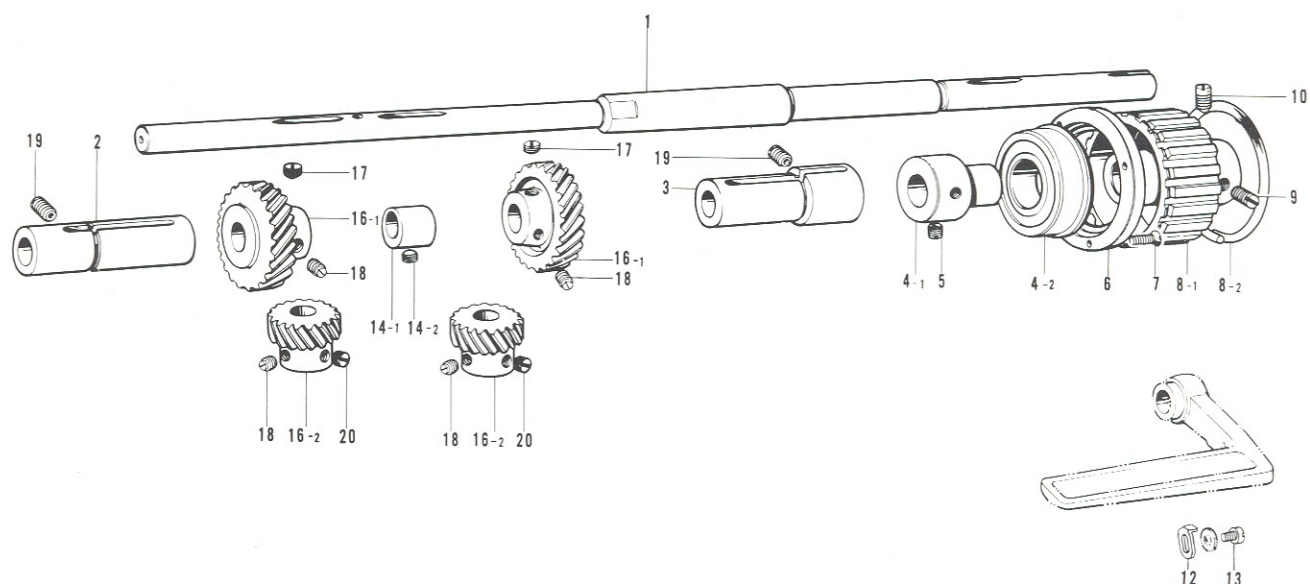
| Ref. No. | Name of Parts            | Q'ty | Parts No.     | Assembly No.                                    |
|----------|--------------------------|------|---------------|-------------------------------------------------|
| 1-1      | Rotary Hook Base (Left)  | 1    | 112685-0-01   |                                                 |
| 9-1-1    | Rotary Hook              | 2    | 121544<br>D/R | K-9-1<br>Rotary Hook<br>Assembly<br>150371-0-01 |
| 9-1-3-1  | Cap                      | 2    |               | K-9-1-3<br>Cap Assembly<br>151041-0-01          |
| 9-1-3-4  | Tension Adjusting Spring | 2    | 151025-0-01   |                                                 |
| 9-1-3-5  | Tension Adjusting Screw  | 2    | 151029-0-01   |                                                 |
| 9-1-3-6  | Screw                    | 2    | 151030-0-01   |                                                 |
| 22-1     | Rotary Hook Base (Right) | 1    | 112701-0-01   |                                                 |
| 27-1     | Bobbin                   | 2    | 112781-0-01   |                                                 |
| 29       | Oil Pipe                 | 2    | 115287-0-00   |                                                 |

K. Rotary hook mechanism (3)[-400A.-700A.-900A]  
 Greifervorrichtung (3)[-400A.-700A.-900A]  
 Mécanisme du crochet rotatif (3)[-400A.-700A.-900A]  
 Mecanismo del cangrejo (3)[-400A.-700A.-900A]



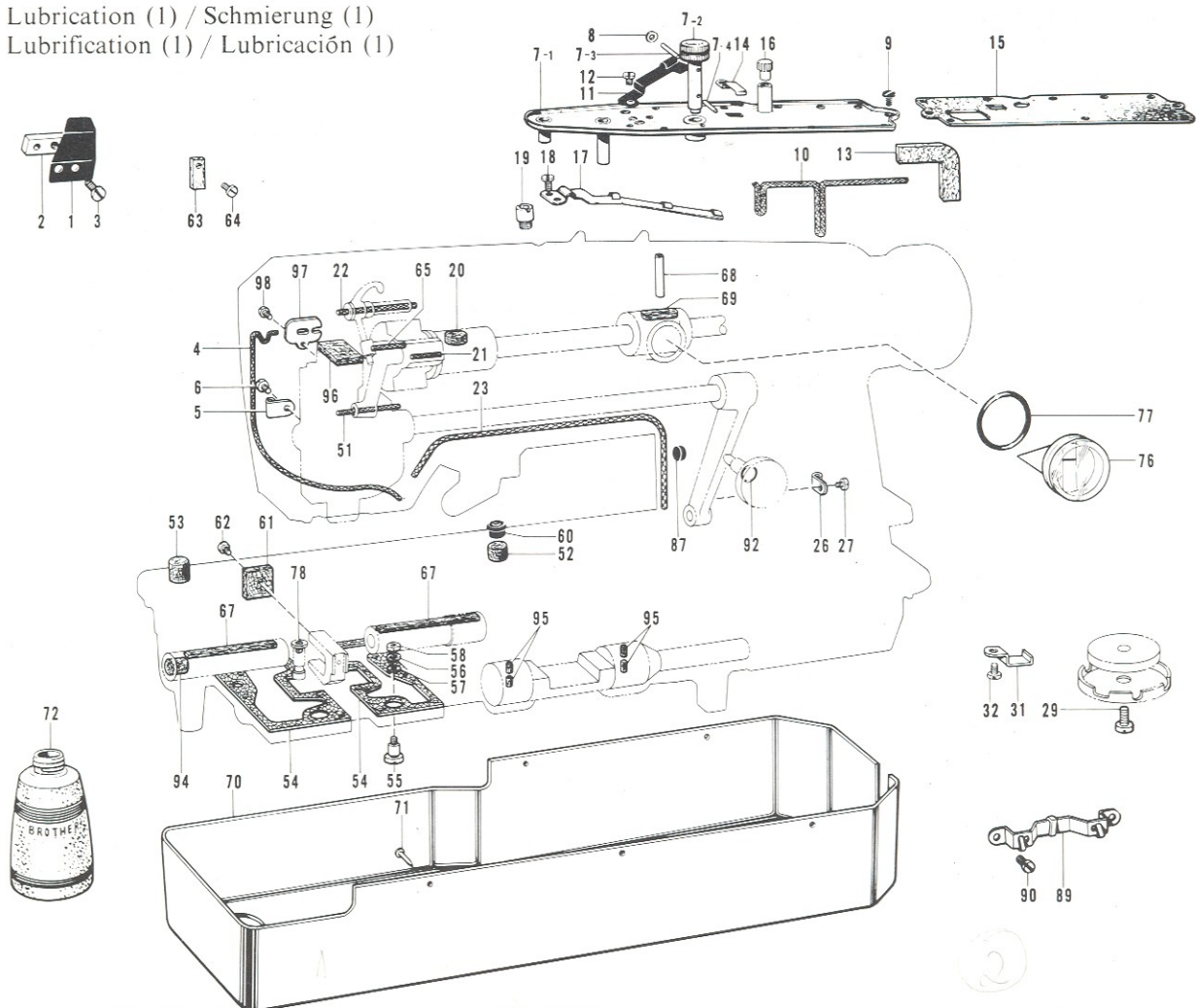
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|----------|--------------------------|------|-------------|-------------------------------------------------|
| 1-2      | Rotary Hook Base (Left)  | 1    | 148481-0-01 |                                                 |
| 9-3-1    | Rotary Hook              | 2    |             | K-9-3<br>Rotary Hook<br>Assembly<br>158761-0-01 |
| 9-3-3-1  | Cap                      | 2    |             | K-9-3-3<br>Cap Assembly<br>159803-0-01          |
| 9-3-3-4  | Tension Adjusting Spring | 2    | 151043-0-01 |                                                 |
| 9-3-3-5  | Tension Adjusting Screw  | 2    | 151029-0-01 |                                                 |
| 9-3-3-6  | Screw                    | 2    | 151030-0-01 |                                                 |
| 22-2     | Rotary Hook Base (Right) | 1    | 148480-0-01 |                                                 |
| 27-2     | Bobbin                   | 2    | 148603-0-01 |                                                 |
| 33       | Bobbin Tension Spring    | 2    | 148601-0-01 |                                                 |
| 36       | Specer 0.3               | 2    | 153244-0-01 |                                                 |
|          | Spacer 0.2               | 4    | 153243-0-01 |                                                 |

L. Lower shaft mechanism / Untere welle  
Mécanisme de l'arbre inférieur / Mecanismo de la eje inferior



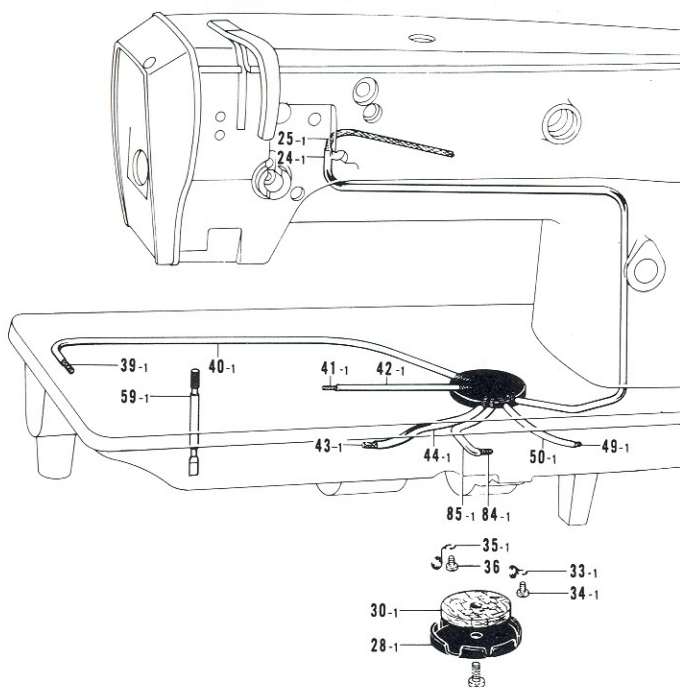
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|----------|--------------------------------------|------|-------------|-----------------------------------------------------------------------------------------------------------------------|----------|---------------------------------|------|------------------------------------------------------------------------------------------------------------------------------|--------------|
| 1        | Lower Shaft (for Standard)           | 1    | 151082-0-01 |                                                                                                                       | 10       | Screw 6.35 x 12 (for Standard)  | 1    | 015771-2-12                                                                                                                  |              |
|          | Lower Shaft (for Thread Trimmer)     | 1    | 158750-0-01 |                                                                                                                       |          | Screw 6.35 (for Thread Trimmer) | 1    | 148821-0-01                                                                                                                  |              |
| 2        | Rotary Hook Base Bushing (Left)      | 1    | 148503-0-00 |                                                                                                                       | 12       | Reverse Lever Stopper           | 1    | 118865-0-01                                                                                                                  |              |
| 3        | Rotary Hook Base Bushing (Right)     | 1    | 148502-0-00 |                                                                                                                       | 13       | Screw 4.37 x 7                  | 1    | 009680-7-12                                                                                                                  |              |
| 4-1      | Bearing Holder                       | 1    | 112666-0-00 | L-4<br>Bearing Holder<br>Assembly<br>112698-0-01                                                                      | 14-1     | Vertical Feed Eccentric Wheel   | 1    | L-14<br>Vertical Feed<br>Eccentric Wheel<br>Assembly<br>(for Standard)<br>181486-0-01<br>(for Thread Trimmer)<br>148804-0-01 |              |
| 4-2      | Bushing                              | 1    | 112667-0-01 |                                                                                                                       | 14-2     | Screw 6.35                      | 1    |                                                                                                                              | 112684-0-01  |
| 5        | Screw 6.35 x 7                       | 2    | 013780-7-10 |                                                                                                                       | 16-1     | Spiral Gear                     | 2    | L-16<br>Spiral Gear<br>Assembly<br>180949-0-01                                                                               |              |
| 6        | Presser                              | 1    | 112668-0-01 | L-8<br>Timing Belt<br>Wheel Lower<br>Assembly<br>(for Standard)<br>180164-0-01<br>(for Thread Trimmer)<br>148803-0-01 | 16-2     | Pinion                          | 2    |                                                                                                                              |              |
| 7        | Screw 3.57 x 12                      | 3    | 005671-2-12 |                                                                                                                       | 17       | Screw 6.35                      | 2    |                                                                                                                              | 112684-0-01  |
| 8-1      | Timing Belt Wheel Lower              | 1    |             |                                                                                                                       | 18       | Screw 6.35                      | 2    |                                                                                                                              | 100251-0-01  |
| 8-2      | Side Ring                            | 1    |             |                                                                                                                       | 19       | Screw 5.95                      | 2    |                                                                                                                              | 151605-0-01  |
| 9        | Screw 6.35 x 12 (for Standard)       | 1    | 013771-2-12 |                                                                                                                       | 20       | Screw 6.35                      | 6    |                                                                                                                              | 101706-0-01  |
|          | Screw 6.35 x 12 (for Thread Trimmer) | 2    | 013771-2-12 |                                                                                                                       |          |                                 |      |                                                                                                                              |              |

M. Lubrication (I) / Schmierung (I)  
Lubrification (I) / Lubricación (I)



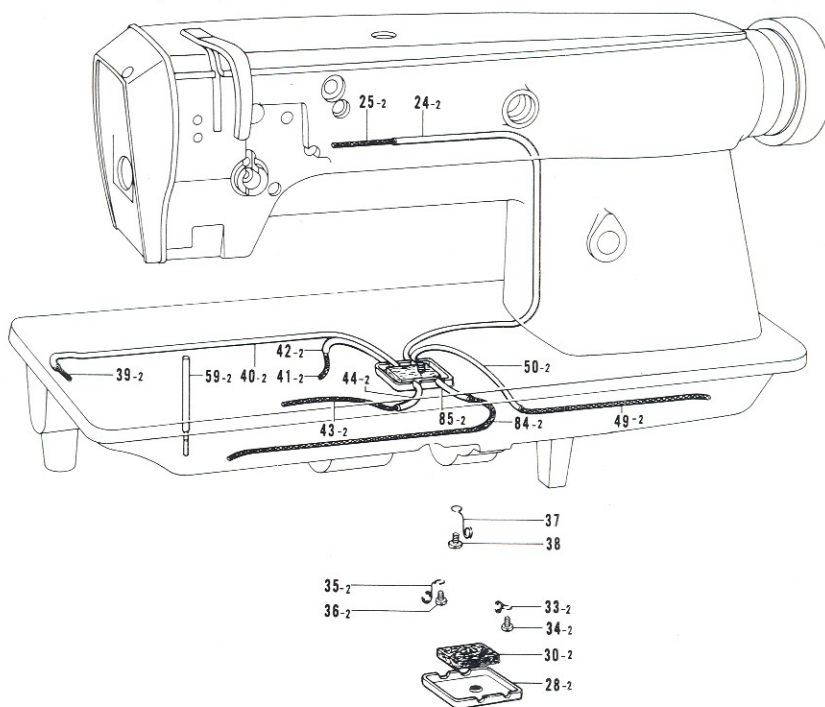
| Ref. No. | Name of Parts             | Q'ty | Parts No.   | Assembly No.                                         | Ref. No. | Name of Parts        | Q'ty | Parts No.   | Assembly No. |
|----------|---------------------------|------|-------------|------------------------------------------------------|----------|----------------------|------|-------------|--------------|
| 1        | Oil Stopper Plate         | 1    | 112716-0-01 |                                                      | 52       | Felt                 | 1    | 112753-0-01 |              |
| 2        | Oil Stopper Plate Presser | 1    | 112717-0-01 |                                                      | 53       | Felt                 | 1    | 112754-0-01 |              |
| 3        | Screw 4.76 x 8            | 1    | 009710-8-12 |                                                      | 54       | Packing              | 2    | 112755-0-01 |              |
| 4        | Wick                      | 1    | 150374-0-00 |                                                      | 55       | Oil Adjusting Screw  | 2    | 112756-0-01 |              |
| 5        | Wick Supporter            | 2    | 112739-0-01 |                                                      | 56       | Spring Washer 2-4.37 | 2    | 028680-2-42 |              |
| 6        | Screw 3.57 x 5            | 2    | 009670-5-12 |                                                      | 57       | Washer               | 2    | 100645-0-03 |              |
| 7-1      | Oil Receiver Plate        | 1    |             | M-7<br>Oil Receiver<br>Plate Assembly<br>112762-0-01 | 58       | Nut 4.37             | 2    | 105234-0-03 |              |
| 7-2      | Oil Adjusting Knob        | 1    |             |                                                      | 60       | Oil Cap              | 1    | 112758-0-01 |              |
| 7-3      | Pin                       | 1    |             |                                                      | 61       | Felt                 | 1    | 112759-0-01 |              |
| 7-4      | Pin                       | 1    |             |                                                      | 62       | Screw 3.57           | 1    | 100242-0-03 |              |
| 8        | Washer                    | 1    | 503093-0-01 |                                                      | 63       | Felt                 | 1    | 148762-0-01 |              |
| 9        | Screw 3.57 x 6            | 10   | 009670-6-12 |                                                      | 64       | Screw 3.57 x 6       | 1    | 001670-6-12 |              |
| 10       | Wick                      | 1    | 112725-0-01 |                                                      | 65       | Wick                 | 1    | 114693-0-01 |              |
| 11       | Spring Plate              | 1    | 112730-0-01 |                                                      | 67       | Felt (Right)         | 2    | 113362-0-01 |              |
| 12       | Screw 3.57 x 3.5          | 1    | 009679-3-12 |                                                      | 68       | Pipe                 | 1    | 112696-0-00 |              |
| 13       | Felt                      | 1    | 112724-0-01 |                                                      | 69       | Felt                 | 1    | 100248-0-01 |              |
| 14       | Felt Presser              | 1    | 114297-0-01 |                                                      | 70       | Oil Pan              | 1    | 151007-1-01 |              |
| 15       | Packing                   | 1    | 112723-0-01 |                                                      | 71       | Nail                 | 5    | 109714-0-00 |              |
| 16       | Cap for Oil Inlet         | 1    | 113526-0-01 |                                                      | 72       | Oiler                | 1    | 114486-0-02 |              |
| 17       | Wick Holder               | 1    | 143657-0-01 |                                                      | 76       | Oil Gauge Window     | 1    | 116558-0-01 |              |
| 18       | Screw 3.18                | 2    | 106640-0-01 |                                                      | 77       | Packing P16          | 1    | 081016-0-70 |              |
| 19       | Oil Guide Tube            | 1    | 113524-0-01 |                                                      | 78       | Felt                 | 2    | 107155-0-01 |              |
| 20       | Felt                      | 1    | 112734-0-01 |                                                      | 87       | Cap                  | 1    | 143766-0-01 |              |
| 21       | Wick                      | 1    | 112735-0-00 |                                                      | 89       | Wick Support         | 1    | 143673-0-01 |              |
| 22       | Wick                      | 1    | 112735-0-01 |                                                      | 90       | Screw 3.18 x 4       | 2    | 009660-4-12 |              |
| 23       | Wick                      | 1    | 112736-0-00 |                                                      | 92       | Packing              | 1    | 108549-0-01 |              |
| 26       | Wick Supporter            | 1    | 112739-0-01 |                                                      | 94       | Felt                 | 1    | 115249-0-01 |              |
| 27       | Screw 3.57 x 5            | 1    | 009670-5-12 |                                                      | 95       | Felt                 | 4    | 148743-0-01 |              |
| 29       | Screw 4.76 x 10           | 1    | 009711-0-12 |                                                      | 96       | Felt                 | 1    | 149834-0-00 |              |
| 31       | Felt Presser              | 2    | 114297-0-01 |                                                      | 97       | Wick Cover           | 1    | 149626-0-01 |              |
| 32       | Screw 3.57 x 5            | 2    | 009670-5-12 |                                                      | 98       | Screw 3.18 x 5       | 1    | 001660-5-12 |              |
| 51       | Wick                      | 1    | 150825-0-01 |                                                      |          |                      |      |             |              |

M. Lubrication (2)[Standard]  
 Schmierung (2)[Norm]  
 Lubrification (2)[Standard]  
 Lubricación (2)[Norma]



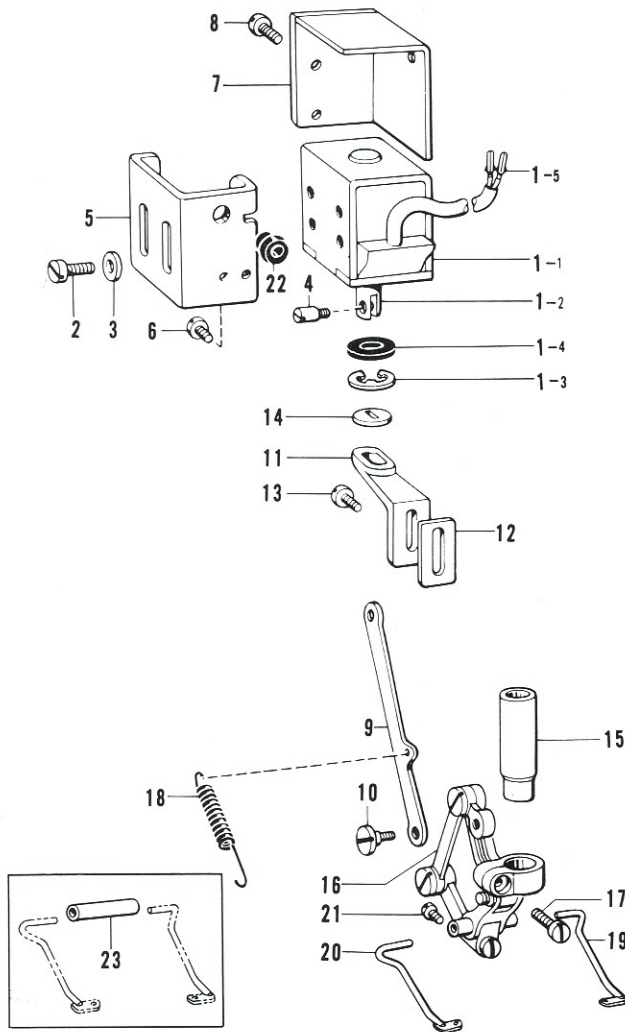
| Ref. No. | Name of Parts      | Q'ty | Parts No.   | Assembly No. |
|----------|--------------------|------|-------------|--------------|
| 24-1     | Oil Tube           | 1    | 112737-0-01 |              |
| 25-1     | Wick               | 1    | 112738-0-00 |              |
| 28-1     | Oil Pipe Supporter | 1    | 151083-0-01 |              |
| 30-1     | Oil Felt           | 1    | 112741-0-01 |              |
| 33-1     | Tube Holder        | 4    | 112743-0-01 |              |
| 34-1     | Screw 3.57 x 5     | 4    | 009670-5-12 |              |
| 35-1     | Tube Holder        | 2    | 112744-0-01 |              |
| 36       | Screw 3.57 x 5     | 2    | 009670-5-12 |              |
| 39-1     | Wick               | 1    | 143660-0-00 |              |
| 40-1     | Vinyl Tube         | 1    | 143661-0-00 |              |
| 41-1     | Wick               | 1    | 143662-0-00 |              |
| 42-1     | Oil Tube           | 1    | 151084-0-00 |              |
| 43-1     | Wick               | 1    | 143668-0-00 |              |
| 44-1     | Oil Tube           | 1    | 143669-0-00 |              |
| 49-1     | Wick               | 1    | 143670-0-00 |              |
| 50-1     | Oil Tube           | 1    | 143671-0-00 |              |
| 59-1     | Oil Gauge          | 2    | 112757-0-01 |              |
| 84-1     | Wick               | 1    | 143668-0-00 |              |
| 85-1     | Oil Tube           | 1    | 143669-0-00 |              |

M. Lubrication (3)[-400A--700A--900A]  
 Schmierung (3)[-400A--700A--900A]  
 Lubrification (3)[-400A--700A--900A]  
 Lubricación (3)[-400A--700A--900A]



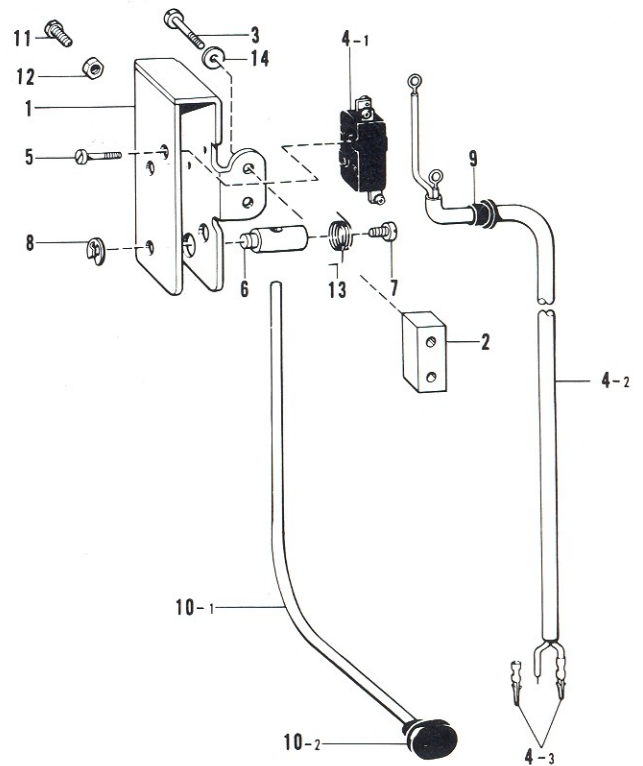
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|----------|--------------------|------|-------------|--------------|----------|---------------|------|-------------|--------------|
| 24-2     | Oil Tube           | 1    | 148730-0-01 |              | 40-2     | Oil Tube      | 1    | 148741-0-01 |              |
| 25-2     | Wick               | 1    | 148731-0-00 |              | 41-2     | Wick          | 1    | 148740-0-00 |              |
| 28-2     | Oil Tube Supporter | 1    | 148729-0-01 |              | 42-2     | Oil Tube      | 1    | 148733-0-01 |              |
| 30-2     | Felt               | 1    | 148732-0-01 |              | 43-2     | Wick          | 1    | 148736-0-00 |              |
| 33-2     | Tube Holder        | 3    | 112743-0-01 |              | 44-2     | Oil Tube      | 1    | 148735-0-01 |              |
| 34-2     | Screw 3.57 x 5     | 3    | 009670-5-12 |              | 49-2     | Wick          | 1    | 148734-0-00 |              |
| 35-2     | Tube Holder        | 1    | 112744-0-01 |              | 50-2     | Oil Tube      | 1    | 148733-0-01 |              |
| 36-2     | Screw 3.57 x 5     | 1    | 009670-5-12 |              | 59-2     | Oil Gauge     | 2    | 148728-0-01 |              |
| 37       | Wick Holder        | 1    | 112745-0-01 |              | 84-2     | Wick          | 1    | 148738-0-00 |              |
| 38       | Screw 3.57 x 5     | 1    | 009670-5-12 |              | 85-2     | Oil Tube      | 1    | 148737-0-01 |              |
| 39-2     | Wick               | 1    | 148742-0-00 |              |          |               |      |             |              |

N. Thread wiper mechanism [-400A--700A--900A]  
 Fadenwischvorrichtung [-400A--700A--900A]  
 Mécanisme de tire-fil [-400A--700A--900A]  
 Mecanismo de limpiador de hilos [-400A--700A--900A]



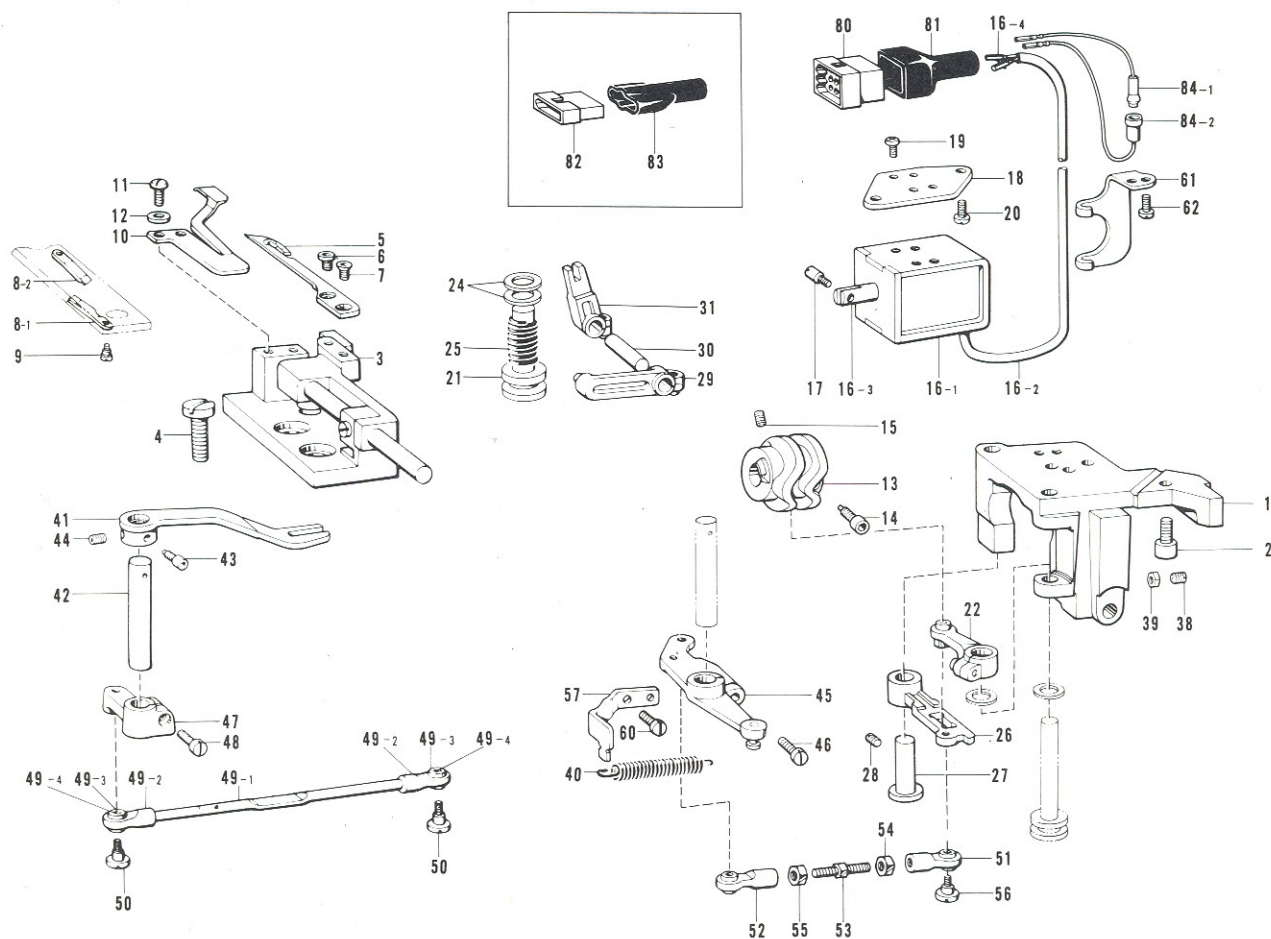
| Ref. No. | Name of Parts                          | Q'ty | Parts No.   | Assembly No.                               |
|----------|----------------------------------------|------|-------------|--------------------------------------------|
| 1-1      | Solenoid                               | 1    |             |                                            |
| 1-2      | Plunger                                | 1    | 148511-0-01 | N-1 Thread Wiper Solenoid (for EFKA Motor) |
| 1-3      | Stop Ring                              | 1    | 048090-3-42 | 156546-0-01 (for Brother Motor)            |
| 1-4      | Rubber Stopper                         | 1    | 148512-0-00 | 159898-0-01 (for 900A)                     |
| 1-5      | Terminal Pin (for-900A, Brother Motor) | 2    | 143549-0-00 | 158815-0-01                                |
| 2        | Screw 4 x 10                           | 4    | 007401-0-12 |                                            |
| 3        | Washer 4                               | 4    | 025040-2-32 |                                            |
| 4        | Plunger Pin                            | 1    | 148546-0-01 |                                            |
| 5        | Solenoid Bracket                       | 1    | 148513-0-02 |                                            |
| 6        | Screw 4.37                             | 2    | 107407-0-03 |                                            |
| 7        | Solenoid Cover                         | 1    | 148514-0-02 |                                            |
| 8        | Screw 3.57 x 3.5                       | 3    | 009679-3-12 |                                            |
| 9        | Solenoid Link                          | 1    | 148515-0-01 |                                            |
| 10       | Stud Screw 3.18                        | 1    | 148521-0-01 |                                            |
| 11       | Stopper                                | 1    | 148516-0-01 |                                            |
| 12       | Stopper Cork                           | 1    | 148517-0-00 |                                            |
| 13       | Screw 4.37                             | 2    | 107407-0-03 |                                            |
| 14       | Rubber Stopper                         | 1    | 148518-0-00 |                                            |
| 15       | Presser Bar Bushing (Lower)            | 1    | 148508-0-01 |                                            |
| 16       | Thread Wiper Link                      | 1    | 148770-1-01 |                                            |
| 17       | Screw 4.76 x 14                        | 1    | 009711-4-12 |                                            |
| 18       | Spring (for-3)                         | 1    | 148526-0-01 |                                            |
| 18       | Spring (for-5)                         | 1    | 148527-0-01 |                                            |
| 19       | Thread Wiper (Right)                   | 1    | 148529-0-01 |                                            |
| 20       | Thread Wiper (Left)                    | 1    | 148530-0-01 |                                            |
| 21       | Screw                                  | 2    | 149177-0-01 |                                            |
| 22       | Bushing                                | 1    | 146080-0-00 |                                            |
| 23       | Thread Wiper Holder (1/8~3/8)          | 1    | 148528-0-01 |                                            |
| 23       | Thread Wiper Holder (L)(5/8)           | 1    | 149986-0-01 |                                            |

P. Quick reverse switch mechanism [-400A--700A--900A]  
 Umkehrschalter [-400A--700A--900A]  
 Mécanisme de interrupteur de marche arrière rapide [-400A--700A--900A]  
 Mecanismo de conmutador de inversión rápida [-400A--700A--900A]



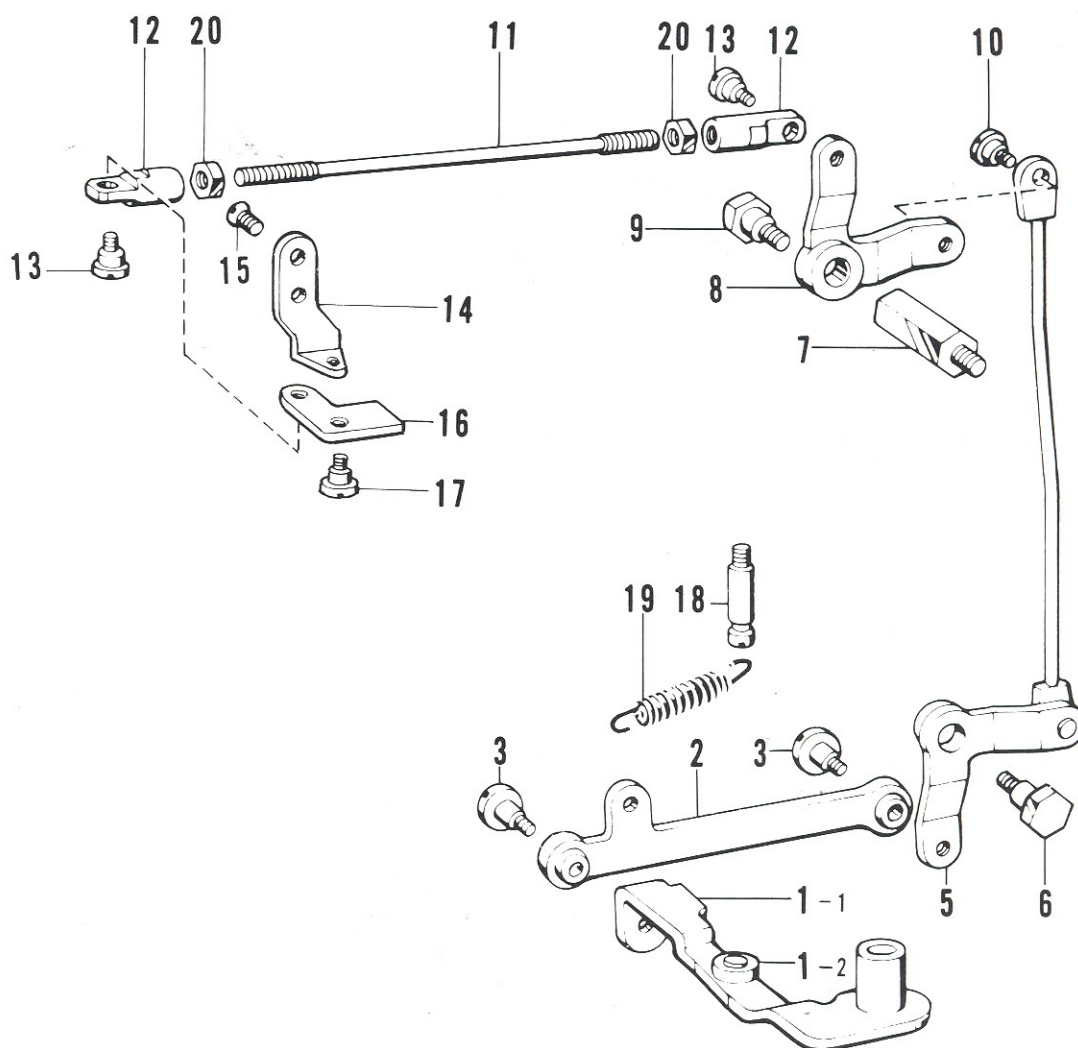
| Ref. No. | Name of Parts                          | Q'ty | Parts No.   | Assembly No.                                 |
|----------|----------------------------------------|------|-------------|----------------------------------------------|
| 1        | Micro Switch Base                      | 1    | 159806-0-01 |                                              |
| 2        | Spacer                                 | 1    | 149873-0-01 |                                              |
| 3        | Screw 3.57                             | 2    | 120311-0-02 |                                              |
| 4-1      | Micro Switch                           | 1    | 140643-0-00 | P-4 Reverse Switch Assembly (for EFKA Motor) |
| 4-2      | Reverse Cord                           | 1    |             | 156548-0-01 (for Brother Motor)              |
| 4-3      | Terminal Pin (for-900A, Brother Motor) | 2    | 143549-0-00 | 159896-0-00 (for-900A)                       |
| 5        | Screw 2.38                             | 2    | 146124-0-01 | 158817-0-00                                  |
| 6        | Actuator Shaft                         | 1    | 156998-0-01 |                                              |
| 7        | Screw 4.37 x 10                        | 1    | 009681-0-12 |                                              |
| 8        | Stop Ring E4                           | 1    | 048040-3-42 |                                              |
| 9        | Bushing                                | 1    | 146080-0-00 |                                              |
| 10-1     | Actuator Bar                           | 1    |             | P-10 Actuator Assembly                       |
| 10-2     | Push Button                            | 1    | 156479-0-00 | 159807-0-01                                  |
| 11       | Screw 4.37 x 14                        | 1    | 009681-4-12 |                                              |
| 12       | Nut 4.37                               | 1    | 102571-0-03 |                                              |
| 13       | Spring                                 | 1    | 157999-0-01 |                                              |
| 14       | Washer                                 | 2    | 105161-0-03 |                                              |

Q. Thread trimmer mechanism [-400A-700A-900A] / Fadenabschneidevorrichtung [-400A-700A-900A]  
 Mécanisme de coupe-fill [-400A-700A-900A] / Mecanismo de recortadora de orillos [-400A-700A-900A]



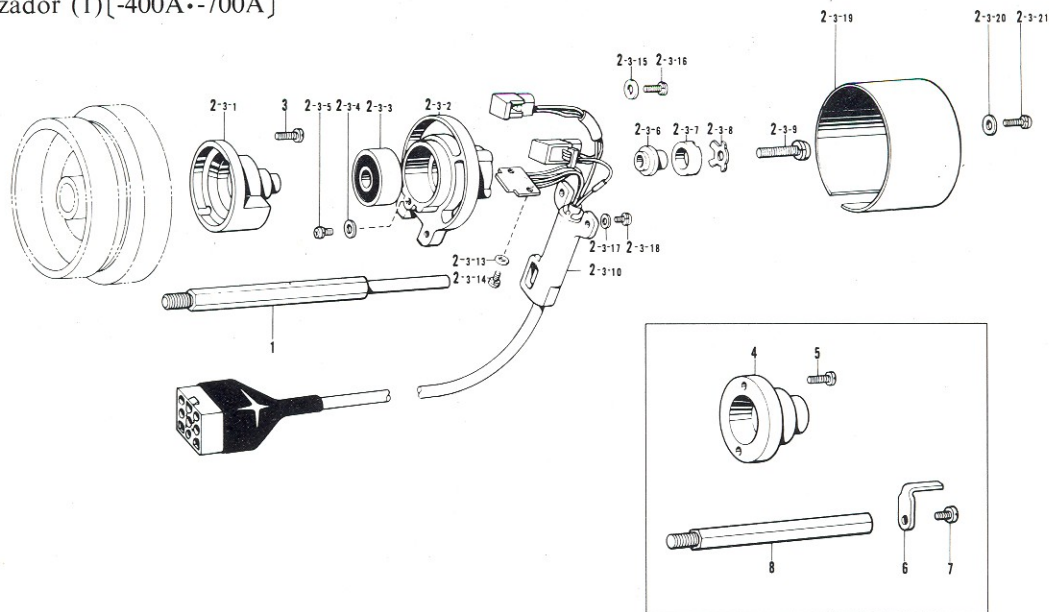
| Ref. No. | Name of Parts                       | Q'ty | Parts No.   | Assembly No.                                                                                                                          | Ref. No. | Name of Parts                           | Q'ty | Parts No.   | Assembly No.                                                                                                                   |
|----------|-------------------------------------|------|-------------|---------------------------------------------------------------------------------------------------------------------------------------|----------|-----------------------------------------|------|-------------|--------------------------------------------------------------------------------------------------------------------------------|
| 1        | Movable Knife Base Bracket          | 1    | 148482-1-01 |                                                                                                                                       | 31       | Knife Driving                           | 1    | 181713-0-01 |                                                                                                                                |
| 2        | Bolt 6 x 16                         | 3    | 018061-6-22 |                                                                                                                                       | 38       | Screw 7.14                              | 1    | 011802-0-12 |                                                                                                                                |
| 3        | Movable Knife Base Assembly         | 2    | 159362-0-01 |                                                                                                                                       | 39       | Nut 7.14                                | 1    | 100078-0-03 |                                                                                                                                |
| 4        | Screw 4.76 x 8                      | 4    | 009710-8-12 |                                                                                                                                       | 40       | Spring                                  | 1    | 143609-0-01 |                                                                                                                                |
| 5        | Movable Knife                       | 2    | 159365-0-01 |                                                                                                                                       | 41       | Knife Rock Arm                          | 2    | 159366-0-01 |                                                                                                                                |
| 6        | Screw 4.37                          | 2    | 148536-0-01 |                                                                                                                                       | 42       | Knife Rock Arm Shaft                    | 2    | 148573-0-01 |                                                                                                                                |
| 7        | Screw 4.37                          | 2    | 148537-0-01 |                                                                                                                                       | 43       | Screw 6.35                              | 2    | 148574-0-01 |                                                                                                                                |
| 8-1      | Fixed Knife (Left)                  | 1    | 148538-0-01 |                                                                                                                                       | 44       | Screw 6.35 x 6                          | 2    | 014770-6-22 |                                                                                                                                |
| 8-2      | Fixed Knife (Right)                 | 1    | 149169-0-01 |                                                                                                                                       | 45       | Knife Rock Lever Right Assembly         | 1    | 148575-0-01 |                                                                                                                                |
| 9        | Stud Screw 2.38                     | 2    | 148539-0-01 |                                                                                                                                       | 46       | Screw 4.76 x 14                         | 1    | 009711-4-12 |                                                                                                                                |
| 10       | Thread Presser Spring               | 2    | 150821-1-00 |                                                                                                                                       | 47       | Knife Rock Lever (Left)                 | 1    | 158751-0-01 |                                                                                                                                |
| 11       | Screw 2.38 x 4                      | 4    | 001630-4-02 |                                                                                                                                       | 48       | Screw 4.76 x 14                         | 1    | 009711-4-12 |                                                                                                                                |
| 12       | Washer 2.38                         | 4    | 025630-1-32 |                                                                                                                                       | 49-1     | Knife Connecting Bar                    | 1    |             |                                                                                                                                |
| 13       | Knife Driving Cam                   | 1    | 158772-0-01 |                                                                                                                                       | 49-2     | Joint                                   | 2    | 148584-0-01 | Q-49<br>Connecting<br>Rod Assembly<br>3/32-5/32 148581-0-01<br>3/16-1/4 148585-0-01<br>5/16-3/8 149697-0-01<br>5/8 149958-0-01 |
| 14       | Screw 6.35                          | 1    | 148574-0-01 |                                                                                                                                       | 49-3     | Bushing                                 | 2    |             |                                                                                                                                |
| 15       | Screw 6.35 x 6                      | 1    | 014770-6-22 |                                                                                                                                       | 49-4     | Spring Pin AW2                          | 2    |             |                                                                                                                                |
| 16-1     | Thread Trimmer                      | 1    |             | Q-16<br>Thread Trimmer Solenoid<br>(for EFKA Motor)<br>156550-0-01<br>(for Brother Motor)<br>159900-0-01<br>(for -900)<br>158812-0-01 | 50       | Screw                                   | 2    | 141494-0-01 |                                                                                                                                |
| 16-2     | Solenoid Cord                       | 1    |             |                                                                                                                                       | 51       | Joint Assembly (Right)                  | 1    | 148587-0-01 |                                                                                                                                |
| 16-3     | Plunger                             | 1    | 148545-0-01 |                                                                                                                                       | 52       | Joint Assembly (Left)                   | 1    | 148589-0-01 |                                                                                                                                |
| 16-4     | Terminal Pin (for Brother Motor)    | 2    | 143549-0-00 |                                                                                                                                       | 53       | Connecting Screw                        | 1    | 148591-0-01 |                                                                                                                                |
| 17       | Pin                                 | 1    | 148546-0-01 |                                                                                                                                       | 54       | Nut 5.95                                | 1    | 148592-0-01 |                                                                                                                                |
| 18       | Solenoid Bracket                    | 1    | 148561-1-01 |                                                                                                                                       | 55       | Nut 5.95                                | 1    | 100022-0-05 |                                                                                                                                |
| 19       | Screw 4 x 8                         | 4    | 002400-8-03 |                                                                                                                                       | 56       | Screw                                   | 2    | 141494-0-01 |                                                                                                                                |
| 20       | Screw 4.76 x 10                     | 2    | 009711-0-12 |                                                                                                                                       | 57       | Spring Hook (Right)                     | 1    | 148579-0-01 |                                                                                                                                |
| 21       | Knife Main Lever Shaft              | 1    | 148547-0-01 |                                                                                                                                       | 60       | Screw 4.76 x 10                         | 2    | 009711-0-12 |                                                                                                                                |
| 22       | Knife Main Lever                    | 1    | 148548-0-01 |                                                                                                                                       | 61       | Cord Supporter                          | 1    | 148655-0-01 |                                                                                                                                |
| 24       | Rubber                              | 2    | 148559-0-00 |                                                                                                                                       | 62       | Screw 4.76 x 8                          | 2    | 009710-8-12 |                                                                                                                                |
| 25       | Spring                              | 1    | 148555-0-01 |                                                                                                                                       | 80       | Nylon Connector 12P (for Brother Motor) | 1    | 153969-0-00 |                                                                                                                                |
| 26       | Knife Sub Lever                     | 1    | 158814-0-01 |                                                                                                                                       | 81       | Connector Cap 5 (for Brother Motor)     | 1    | 153971-0-01 |                                                                                                                                |
| 27       | Knife Sub Lever Shaft               | 1    | 148554-0-01 |                                                                                                                                       | 82       | Nylon Connector (for-900A)              | 1    | 143520-0-00 |                                                                                                                                |
| 28       | Screw 5.95                          | 1    | 100289-0-03 |                                                                                                                                       | 83       | Plug Cover #2 (for-900A)                | 1    | 216248-0-01 |                                                                                                                                |
| 29       | Knife Driving Pin Lever             | 1    | 181712-0-01 |                                                                                                                                       | 84-1     | Cord (R)                                | 1    | S00897-0-00 | Q-84<br>Cord Assembly<br>(for Brother Motor)<br>S00896-0-00                                                                    |
| 30       | Knife Driving Lever Shaft 6.35 x 27 | 1    | 148557-0-01 |                                                                                                                                       | 84-2     | Cord (P)                                | 1    | S00899-0-00 |                                                                                                                                |

R. Tension release mechanism [-400A--700A--900A] / Spannung sverminderung svorrichtung [-400A--700A--900A]  
 Mécanisme de relâche-tension [-400A--700A--900A] / Mécánico de liberador de tensión [-400A--700A--900A]



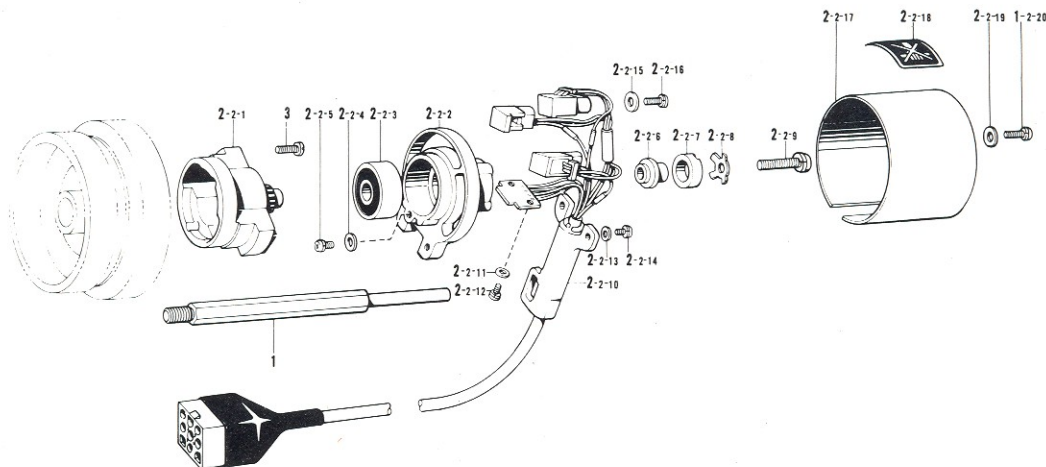
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|----------|--------------------------------------|------|-------------|--------------------------------------------------------------|----------|---------------------------|------|-------------|--------------|
| 1-1      | Tension Release Rock Lever           | 1    |             | R-1<br>Tension Release<br>Rock Lever Assembly<br>148619-0-01 | 11       | Tension Release Rod Upper | 1    | 148631-0-01 |              |
| 1-2      | Tension Release Roller Stud          | 1    |             |                                                              | 12       | Joint                     | 2    | 148632-0-01 |              |
| 2        | Tension Release Connecting Rod Lower | 1    | 148623-0-01 |                                                              | 13       | Screw                     | 2    | 148768-0-01 |              |
| 3        | Stud Screw 4.37                      | 2    | 123882-0-01 |                                                              | 14       | Tension Release Plate     | 1    | 148634-0-01 |              |
| 5        | Tension Release Crank Lower          | 1    | 148625-0-01 |                                                              | 15       | Screw 4.37                | 2    | 117160-0-01 |              |
| 6        | Stud Screw 6.35                      | 1    | 148628-0-01 |                                                              | 16       | Tension Release Crank     | 1    | 148635-0-01 |              |
| 7        | Stud                                 | 1    | 148629-0-01 |                                                              | 17       | Stud Screw 3.57           | 1    | 148633-0-01 |              |
| 8        | Tension Release Crank Upper          | 1    | 148630-0-01 |                                                              | 18       | Spring Hook               | 1    | 115177-0-01 |              |
| 9        | Stud Screw 6.35                      | 1    | 148628-0-01 |                                                              | 19       | Spring                    | 1    | 148654-0-01 |              |
| 10       | Stud Screw 4.76                      | 1    | 110171-0-01 |                                                              | 20       | Nut 3.57                  | 2    | 021670-1-02 |              |

S. Synchronizer (1)[-400A-700A]  
 Synchronisator (1)[-400A-700A]  
 Synchronisateur (1)[-400A-700A]  
 Sincronizador (1)[-400A-700A]



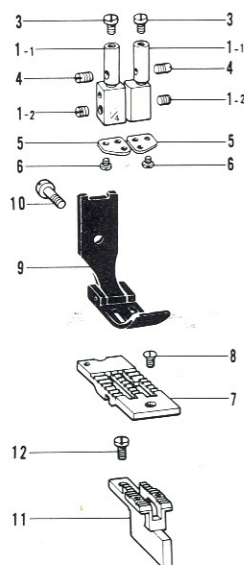
| Ref. No. | Name of Parts            | Q'ty | Parts No.   | Assembly No. | Ref. No. | Name of Parts                             | Q'ty | Parts No.   | Assembly No. |
|----------|--------------------------|------|-------------|--------------|----------|-------------------------------------------|------|-------------|--------------|
| 1        | Synchronizer Holder Stud | 1    | 148615-0-01 |              | 2-3-15   | Washer 4                                  | 2    | 025040-3-35 |              |
| 2-3- 1   | Magnet Stud              | 1    |             |              | 2-3-16   | Screw 4 x 12D                             | 2    | 217093-0-01 | S-2-3        |
| 2-3- 2   | Synchronizer Holder #3   | 1    |             |              | 2-3-17   | Washer 4                                  | 2    | 025040-1-35 | Synchronizer |
| 2-3- 3   | Ball Bearing 6201VV      | 1    |             |              | 2-3-18   | Screw 4 x 12D                             | 2    | 217093-0-01 | Assembly     |
| 2-3- 4   | Washer 3                 | 1    | 025030-3-35 |              | 2-3-19   | Synchronizer Cover # 4                    | 1    |             | #10-2        |
| 2-3- 5   | Screw 3 x 6D             | 1    | 215083-0-01 | S-2-3        | 2-3-20   | Washer 4                                  | 2    | 025040-3-35 | (for Brother |
| 2-3- 6   | Magnet Setting Bracket   | 1    | 219557-0-00 | Synchronizer | 2-3-21   | Screw 4 x 12D                             | 2    | 217093-0-01 | Motor)       |
| 2-3- 7   | Magnet 12 x 18.7 x 6     | 1    | 219558-0-00 | Assembly     | 3        | Screw 4.76 x 14                           | 2    | 009711-4-12 | 224357-0-01  |
| 2-3- 8   | Magnet Holder Plate      | 1    | 219559-0-00 | #10-2        | 4        | Slip Ring Support (for EFKA Motor)        | 1    | 148825-0-01 |              |
| 2-3- 9   | Screw 6 x 25D            | 1    | 221421-0-01 | (for Brother | 5        | Screw 4.76 x 14 (for EFKA Motor)          | 2    | 009711-4-12 |              |
| 2-3-10   | Hole I.C with Cord #7    | 1    |             | Motor)       | 6        | Synchronizer Holder (for EFKA Motor)      | 1    | 158775-0-01 |              |
| 2-3-13   | Washer 3                 | 2    | 025030-1-35 | 224357-0-01  | 7        | Screw 4.37 x 7 (for EFKA Motor)           | 1    | 009680-7-12 |              |
| 2-3-14   | Screw 3 x 6D             | 2    | 215083-0-01 |              | 8        | Synchronizer Holder Stud (for EFKA Motor) | 1    | 158776-0-01 |              |

S. Synchronizer (2)[-900A]  
 Synchronisator (2)[-900A]  
 Synchronisateur (2)[-900A]  
 Sincronizador (2)[-900A]



| Ref. No. | Name of Parts            | Q'ty | Parts No.   | Assembly No. | Ref. No. | Name of Parts         | Q'ty | Parts No.   | Assembly No. |
|----------|--------------------------|------|-------------|--------------|----------|-----------------------|------|-------------|--------------|
| 1        | Synchronizer Holder Stud | 1    | 148615-0-01 |              | 2-2-11   | Washer 3              | 2    | 025030-1-35 |              |
| 2-2- 1   | Magnet Stud              | 1    |             |              | 2-2-12   | Screw 3 x 6D          | 2    | 215083-0-01 |              |
| 2-2- 2   | Synchronizer Holder #3   | 1    |             |              | 2-2-13   | Washer 4              | 2    | 025040-1-35 |              |
| 2-2- 3   | Ball Bearing 6201VV      | 1    |             |              | 2-2-14   | Screw 4 x 10D         | 2    | 215080-0-01 | S-2-2        |
| 2-2- 4   | Washer 3                 | 1    | 025030-3-35 |              | 2-2-15   | Washer 4              | 3    | 025040-3-35 | Synchronizer |
| 2-2- 5   | Screw 3 x 6D             | 1    | 215083-0-01 | S-2-2        | 2-2-16   | Screw 4 x 12D         | 3    | 217093-0-01 | Assembly     |
| 2-2- 6   | Magnet Setting Bracket   | 1    | 219557-0-00 | Synchronizer | 2-2-17   | Synchronizer Cover #3 | 1    |             | #7           |
| 2-2- 7   | Magnet 12 x 18.7 x 6     | 1    | 219558-0-00 | Assembly     | 2-2-18   | Label #2              | 1    |             | 222370-0-01  |
| 2-2- 8   | Magnet Holder Plate      | 1    | 219559-0-00 | Assembly #7  | 2-2-19   | Washer 4              | 2    | 025040-3-35 |              |
| 2-2- 9   | Screw 6 x 25D            | 1    | 221421-0-01 | 222370-0-01  | 2-2-20   | Screw 4 x 10D         | 2    | 215080-0-01 |              |
| 2-2-10   | Hole I.C with Cord #3    | 1    |             |              | 3        | Screw 4.76 x 14       | 2    | 009711-4-12 |              |

T. Gauge parts mechanism / Lehren  
Pièces d'écartement / Piezas calibradoras



| Ref. No. | Name of Parts           | Q'ty | Parts No.   | Assembly No.                           |
|----------|-------------------------|------|-------------|----------------------------------------|
| 1-1      | Needle Clamp            | 2    |             | T-1<br>Needle Clamp<br>with Screw<br>※ |
| 1-2      | Screw 3.18 x 4          | 2    | 013660-4-12 |                                        |
| 3        | Screw 3.18              | 2    | 149831-0-01 |                                        |
| 4        | Screw 3.18              | 2    | 149833-0-01 |                                        |
| 5        | Thread Guide Plate      | 2    | 149832-0-01 |                                        |
| 6        | Screw 1.98              | 2    | 107404-0-01 |                                        |
| 7        | Needle Plate (Assembly) | 1    | ※           |                                        |
| 8        | Screw 4.37              | 1    | 100032-0-04 |                                        |
| 9        | Presser Foot            | 1    | ※           |                                        |
| 10       | Screw 3.57              | 1    | 113050-0-01 |                                        |
| 11       | Feed Dog                | 1    | ※           |                                        |
| 12       | Screw 3.18              | 2    | 116283-0-01 |                                        |

◎ If there is a "※" mark in the part code column or assembly code column, refer to the gauge parts list.

◎ Falls in den kolonnen für Teilcode und Satzcode das Zeichen "※" steht, wird auf die Lehren liste auf verwiesen.

◎ Si le signe apparaît dans la colonne du code des pièces ou dans celle du code d'assemblage, se reporter à la liste des pièces de la jauge.

◎ Si aparece una marca "※" en la columna de código de piezas o en la columna de código de armado, consultar la lista de piezas calibradoras.

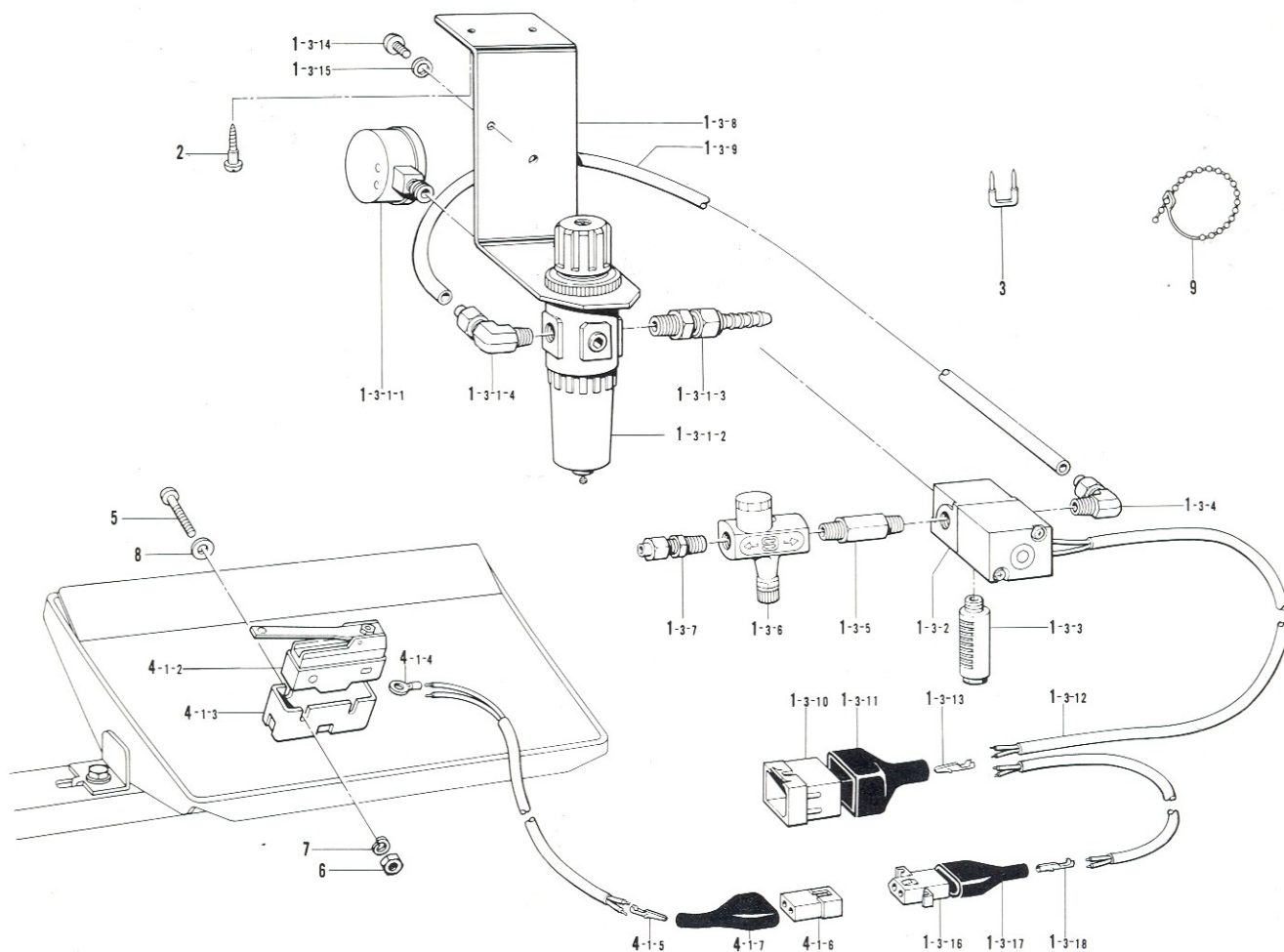
Gauge parts list (Standard) / Liste des pièces d'écartement (Standard)  
Lehren liste (Norm) / Lista de piezas calibradoras (Norma)

| Gauge Size<br>Lehre<br>Taille de jauge<br>Tamaño de galga | Sub class<br>Untergruppe<br>Sous-classe<br>Subclase | Needle Clamp<br>Nadelklammer<br>Pince-aiguille<br>Ménsula de aguja | Needle Plate<br>Stichplatte<br>Plateau à aiguille<br>Placa de aguja | Feed Dog<br>Transporteur<br>Griffe d'entraînement<br>Alimentador | Presser Foot<br>Stoffdrückfuß<br>Presseur<br>Prensatelas |
|-----------------------------------------------------------|-----------------------------------------------------|--------------------------------------------------------------------|---------------------------------------------------------------------|------------------------------------------------------------------|----------------------------------------------------------|
| 1/8inch(3.2mm)                                            | -3                                                  | 150885-0-01                                                        | 117369-0-01                                                         | 114951-0-01                                                      | 114948-0-01                                              |
|                                                           | -5                                                  |                                                                    |                                                                     |                                                                  |                                                          |
| 5/32inch(4.0mm)                                           | -3                                                  | 150843-0-01                                                        | 150850-0-01                                                         | 116509-0-01                                                      | 116502-0-01                                              |
|                                                           | -5                                                  |                                                                    |                                                                     |                                                                  |                                                          |
| 3/16inch(4.8mm)                                           | -3                                                  | 150844-0-01                                                        | 117133-0-01                                                         | 112659-0-01                                                      | 112638-0-01                                              |
|                                                           | -5                                                  |                                                                    |                                                                     |                                                                  |                                                          |
| 1/4inch(6.4mm)                                            | -3                                                  | 150830-0-01                                                        | 117367-0-01                                                         | 112660-0-01                                                      | 112642-0-01                                              |
|                                                           | -5                                                  |                                                                    |                                                                     |                                                                  |                                                          |
| 5/16inch(7.9mm)                                           | -3                                                  | 150845-0-01                                                        | 144882-0-01                                                         | 112661-0-01                                                      | 112645-0-01                                              |
|                                                           | -5                                                  |                                                                    |                                                                     |                                                                  |                                                          |
| 3/8inch(9.5mm)                                            | -3                                                  | 150846-0-01                                                        | 144881-1-01                                                         | 116510-1-01                                                      | 116498-0-01                                              |
|                                                           | -5                                                  |                                                                    |                                                                     |                                                                  |                                                          |
| 5/8inch(15.9mm)                                           | -3                                                  | 156530-0-01                                                        | 116507-0-01                                                         | 116512-0-01                                                      | 116500-0-01                                              |
|                                                           | -5                                                  |                                                                    |                                                                     |                                                                  |                                                          |

Gauge parts list (Thread trimmer) / Liste des pièces d'écartement (Coupe-fil)  
Lehren liste (Fadenabschneider) / Lista de piezas calibradoras (Cortahilos)

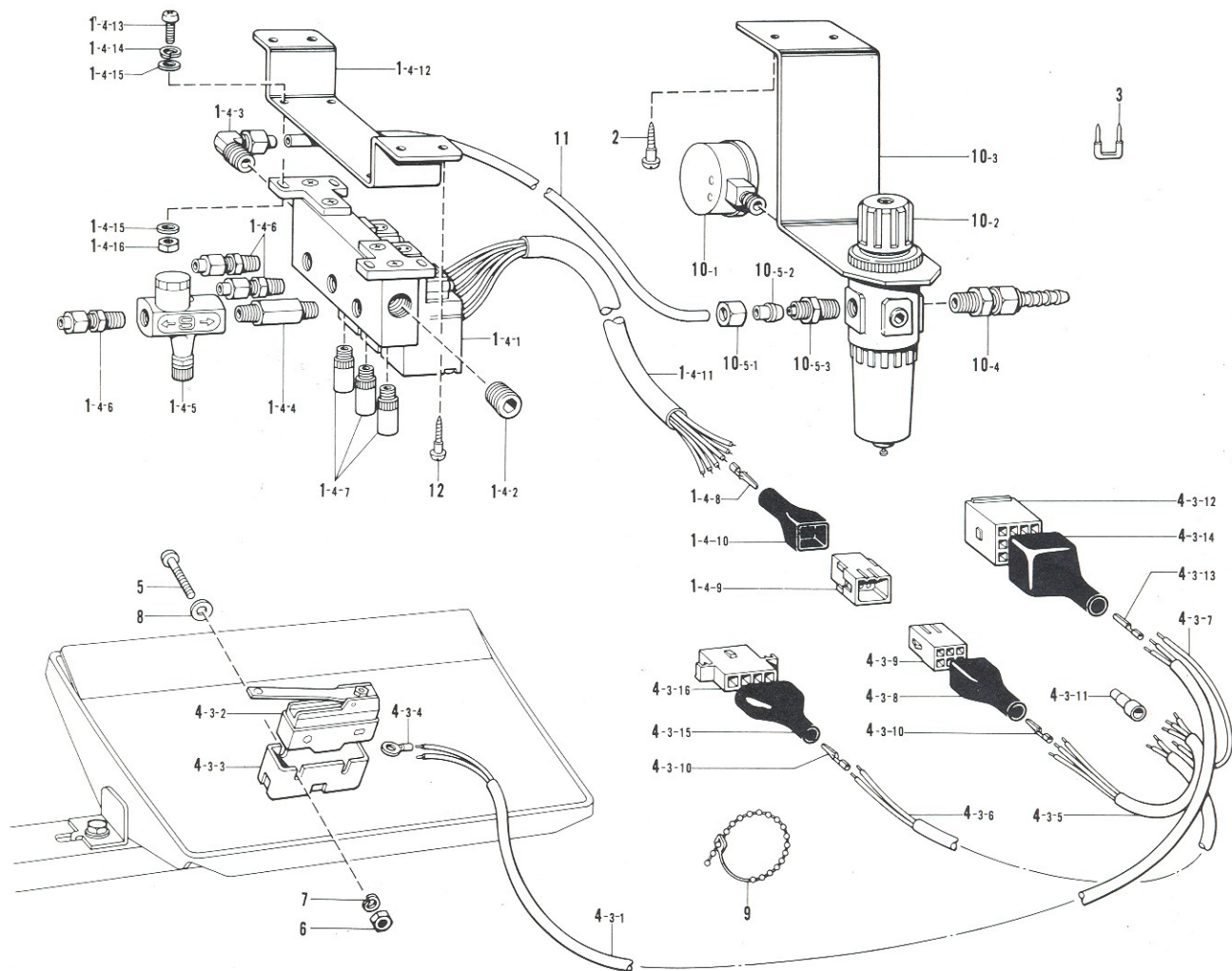
| Gauge Size<br>Lehre<br>Taille de jauge<br>Tamaño de galga | Sub class<br>Untergruppe<br>Sous-classe<br>Subclase | Needle Clamp<br>Nadelklammer<br>Pince-aiguille<br>Ménsula de aguja | Needle Plate<br>Stichplatte<br>Plateau à aiguille<br>Placa de aguja | Feed Dog<br>Transporteur<br>Griffe d'entraînement<br>Alimentador | Presser Foot<br>Stoffdrückfuß<br>Presseur<br>Prensatelas | Connecting rod assembly<br>Verbindungsstange kompl<br>Bielle<br>Conjunto de la varilla de conexión | Thread wiper guide<br>Fadenwischerführung<br>Guide de tire-fills<br>Guía del retirador de hilos |  |
|-----------------------------------------------------------|-----------------------------------------------------|--------------------------------------------------------------------|---------------------------------------------------------------------|------------------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|--|
| 1/8inch(3.2mm)                                            | —3                                                  | 150885-0-01                                                        | 155722-0-01                                                         | 148698-0-01                                                      | 148685-0-01                                              | 148581-0-01                                                                                        | 148528-0-01                                                                                     |  |
|                                                           | —5                                                  |                                                                    |                                                                     | 148699-0-01                                                      | 148681-0-01                                              |                                                                                                    |                                                                                                 |  |
| 5/32inch(4.0mm)                                           | —3                                                  | 150843-0-01                                                        | 155724-0-01                                                         | 148700-0-01                                                      | 148689-0-01                                              |                                                                                                    |                                                                                                 |  |
|                                                           | —5                                                  |                                                                    |                                                                     | 148701-0-01                                                      | 148683-0-01                                              |                                                                                                    |                                                                                                 |  |
| 3/16inch(4.8mm)                                           | —3                                                  | 150844-0-01                                                        | 155851-0-01                                                         | 148702-0-01                                                      | 148687-0-01                                              | 148585-0-01                                                                                        |                                                                                                 |  |
|                                                           | —5                                                  |                                                                    |                                                                     | 148703-0-01                                                      | 148691-0-01                                              |                                                                                                    |                                                                                                 |  |
| 7/32inch(5.6mm)                                           | —3                                                  | 183180-0-01                                                        | 156816-0-01                                                         | 156818-0-01                                                      | 156819-0-01                                              |                                                                                                    |                                                                                                 |  |
| 1/4inch(6.4mm)                                            | —3                                                  | 150830-0-01                                                        | 155853-0-01                                                         | 148704-0-01                                                      | 148693-0-01                                              |                                                                                                    |                                                                                                 |  |
|                                                           | —5                                                  |                                                                    |                                                                     | 148705-0-01                                                      | 148695-0-01                                              |                                                                                                    |                                                                                                 |  |
| 5/16inch(7.9mm)                                           | —3                                                  | 150845-0-01                                                        | 155855-0-01                                                         | 149692-0-01                                                      | 149689-0-01                                              | 149697-0-01                                                                                        |                                                                                                 |  |
|                                                           | —5                                                  |                                                                    |                                                                     | 149691-0-01                                                      | 149687-0-01                                              |                                                                                                    |                                                                                                 |  |
| 3/8inch(9.5mm)                                            | —3                                                  | 150846-0-01                                                        | 155857-0-01                                                         | 149939-0-01                                                      | 149942-0-01                                              |                                                                                                    |                                                                                                 |  |
|                                                           | —5                                                  |                                                                    |                                                                     | 149938-0-01                                                      | 149940-0-01                                              |                                                                                                    |                                                                                                 |  |
| 5/8inch(15.9mm)                                           | —3                                                  | 156530-0-01                                                        | 149954-0-01                                                         | 149949-0-01                                                      | 149952-0-01                                              | 149958-0-01                                                                                        | 149986-0-01                                                                                     |  |
|                                                           | —5                                                  |                                                                    |                                                                     | 149948-0-01                                                      | 149950-0-01                                              |                                                                                                    |                                                                                                 |  |

U. Control box mechanism (1)[-700A BROTHER Motor] / Schaltkasten (1)[-700A BROTHER Motor]  
 Mécanisme du boîtier de contrôle (1)[-700A BROTHER Moteur] / Mecanismo del caja de controles (1)[-700A BROTHER Motor]



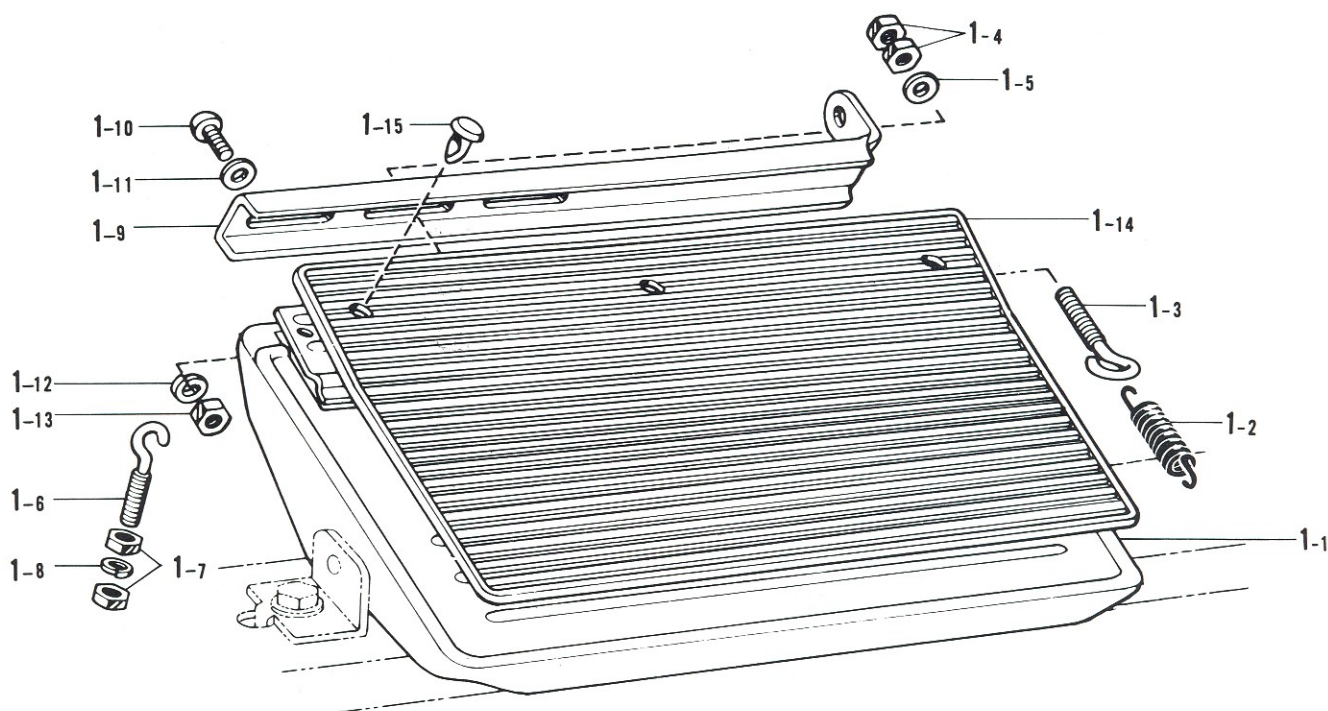
| Ref. No. | Name of Parts           | Q'ty | Parts No.   | Assembly No.                                                     | Ref. No. | Name of Parts            | Q'ty | Parts No.   | Assembly No.                                                     |
|----------|-------------------------|------|-------------|------------------------------------------------------------------|----------|--------------------------|------|-------------|------------------------------------------------------------------|
| 1-3- 1-1 | Presser Gauge           | 1    |             | U-1-3-1<br>Air Unit<br>Assembly<br>151153-1-01                   | 1-3-16   | Nylon Connector          | 1    | 143499-0-00 | U-1-3<br>Air Unit Valve<br>Assembly<br>(for-700A)<br>159813-0-01 |
| 1-3- 1-2 | Valve                   | 1    | 143960-1-01 |                                                                  | 1-3-17   | Connector Cap            | 1    | 143489-0-01 |                                                                  |
| 1-3- 1-3 | Air Tube Connector      | 1    | 140678-0-00 |                                                                  | 1-3-18   | Terminal Pin             | 2    | 143548-0-00 |                                                                  |
| 1-3- 1-4 | 1/4 Elbow               | 1    | 140538-0-00 |                                                                  | 2        | Screw 4.5 x 20           | 2    | 101118-0-01 |                                                                  |
| 1-3- 2   | Air Valve               | 1    | 159814-0-00 | U-1-3<br>Air Unit Valve<br>Assembly<br>(for-700A)<br>159813-0-01 | 3        | Staple                   | 8    | 200190-0-01 | U-4-1<br>Presser Foot<br>Lifter Cord<br>Assembly<br>146160-0-01  |
| 1-3- 3   | Silencer                | 1    | 140682-0-01 |                                                                  | 4-1- 1   | Presser Foot Lifter Cord | 1    |             |                                                                  |
| 1-3- 4   | 1/8 Elbow Assembly      | 1    | 151147-0-01 |                                                                  | 4-1- 2   | Micro Switch             | 1    | 140948-0-01 |                                                                  |
| 1-3- 5   | Speed Control Connector | 1    | 142037-0-00 |                                                                  | 4-1- 3   | Cover                    | 1    | 140950-0-00 |                                                                  |
| 1-3- 6   | Speed Controller        | 1    | 142038-0-01 |                                                                  | 4-1- 4   | Terminal                 | 2    | 140693-0-00 |                                                                  |
| 1-3- 7   | 1/8 Connector           | 1    | 140543-0-00 |                                                                  | 4-1- 5   | Cable Assembly           | 2    | 143549-0-00 |                                                                  |
| 1-3- 8   | Air Unit Holder Plate   | 1    |             |                                                                  | 4-1- 6   | Cable Assembly           | 1    | 143488-0-01 |                                                                  |
| 1-3- 9   | Air Tube                | 1    | 140540-0-00 |                                                                  | 4-1- 7   | Cord                     | 1    | 143489-0-01 |                                                                  |
| 1-3-10   | 6P Nylon Connector      | 1    | 146118-0-00 |                                                                  | 5        | Screw 3 x 30             | 2    | 002303-0-06 |                                                                  |
| 1-3-11   | Connector Cap           | 1    | 145596-0-01 |                                                                  | 6        | Nut 3                    | 2    | 021300-1-03 |                                                                  |
| 1-3-12   | Tube                    | 1    |             |                                                                  | 7        | Washer 2-3               | 2    | 028030-2-43 |                                                                  |
| 1-3-13   | Terminal Pin            | 2    | 143549-0-00 |                                                                  | 8        | Washer 3                 | 2    | 025030-2-33 |                                                                  |
| 1-3-14   | Screw 5 x 10            | 2    | 002501-0-03 |                                                                  | 9        | Bead Band                | 1    | 144189-0-01 |                                                                  |
| 1-3-15   | Washer 2-5              | 2    | 028050-2-43 |                                                                  |          |                          |      |             |                                                                  |

U. Control box mechanism (2)[-900A] / Schaltkasten (2)[-900A]  
 Mécanisme du boîtier de contrôle (2)[-900A] / Mecanismo del caja de controles (2)[-900A]



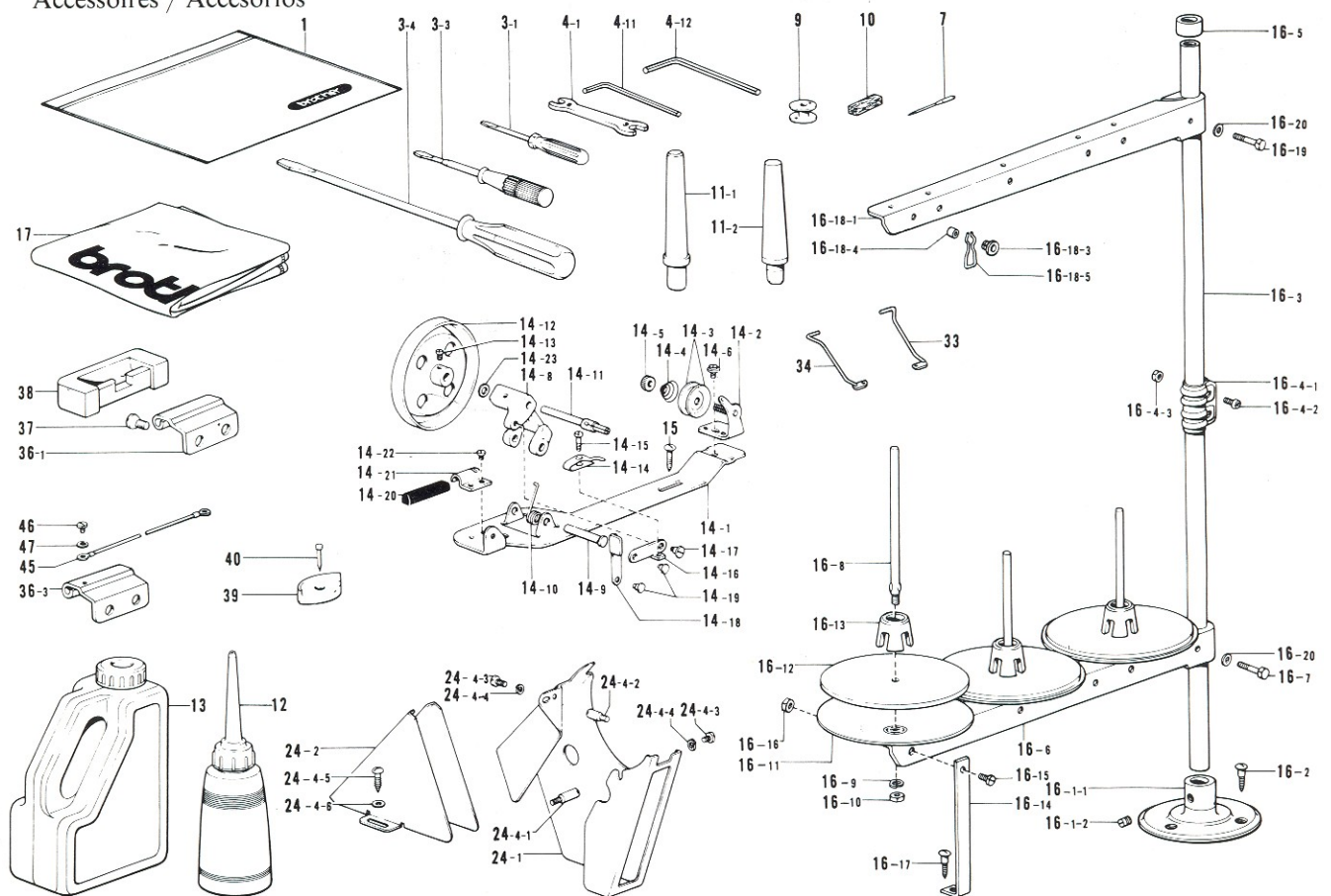
| Ref. No. | Name of Parts            | Q'ty | Parts No.   | Assembly No.                                                    | Ref. No. | Name of Parts         | Q'ty | Parts No.   | Assembly No.                                                    |
|----------|--------------------------|------|-------------|-----------------------------------------------------------------|----------|-----------------------|------|-------------|-----------------------------------------------------------------|
| 1-4- 1   | Manifold Valve           | 1    | 159889-0-01 | U-1<br>Solenoid Valve<br>Assembly<br>(for-900A)<br>159890-0-01  | 4-3- 7   | Cord                  | 1    | 159894-0-00 | U-4-3<br>Presser Foot<br>Lifter Cord<br>Assembly<br>159895-0-01 |
| 1-4- 2   | Cap                      | 1    | 140542-0-01 |                                                                 | 4-3- 8   | Connector Cover       | 1    | 216384-0-01 |                                                                 |
| 1-4- 3   | 1/4 Elbow                | 1    | 140538-0-00 |                                                                 | 4-3- 9   | Nylon Connector       | 1    | 216382-0-01 |                                                                 |
| 1-4- 4   | Speed Control Connector  | 1    | 142037-0-00 |                                                                 | 4-3-10   | Terminal Pin          | 10   | 143548-0-00 |                                                                 |
| 1-4- 5   | Speed Controller         | 1    | 142038-0-01 |                                                                 | 4-3-11   | Crimp Connector       | 1    | S00391-0-00 |                                                                 |
| 1-4- 6   | 1/8 Connector            | 3    | 140543-0-00 |                                                                 | 4-3-12   | Nylon Connector 12P   | 1    | 153433-0-00 |                                                                 |
| 1-4- 7   | Silencer                 | 3    | 159874-0-00 |                                                                 | 4-3-13   | Terminal Pin          | 8    | 143549-0-00 |                                                                 |
| 1-4- 8   | Terminal Pin             | 6    | 143549-0-00 |                                                                 | 4-3-14   | Connector Cover #15   | 1    | 221786-0-01 |                                                                 |
| 1-4- 9   | Nylon Connector          | 1    | 216323-0-01 |                                                                 | 4-3-15   | Connector Cap         | 1    | 143519-0-01 |                                                                 |
| 1-4-10   | Connector Cover          | 1    | 216324-0-01 |                                                                 | 4-3-16   | Nylon Connector       | 1    | 143501-0-00 |                                                                 |
| 1-4-11   | Tube                     | 1    |             |                                                                 | 5        | Screw 3 x 30          | 2    | 002303-0-06 | U-10<br>Air Unit<br>Assembly<br>S00336-0-01                     |
| 1-4-12   | Valve Holder Plate       | 1    | S00325-0-01 |                                                                 | 6        | Nut 3                 | 2    | 021300-1-03 |                                                                 |
| 1-4-13   | Screw 4 x 14             | 4    | 002401-4-02 |                                                                 | 7        | Washer 2-3            | 2    | 028030-2-43 |                                                                 |
| 1-4-14   | Washer 2-4               | 4    | 028040-2-43 |                                                                 | 8        | Washer 3              | 2    | 025030-2-33 |                                                                 |
| 1-4-15   | Washer 4                 | 8    | 025040-2-33 | U-4-3<br>Presser Foot<br>Lifter Cord<br>Assembly<br>159895-0-01 | 9        | Bead Band             | 1    | 144189-0-01 | U-10-5<br>Connector<br>Assembly<br>147189-0-01                  |
| 1-4-16   | Nut 4                    | 4    | 021400-1-06 |                                                                 | 10-1     | Presser Gauge         | 1    |             |                                                                 |
| 2        | Screw 4.5 x 20           | 2    | 101118-0-01 |                                                                 | 10-2     | Valve                 | 1    | 143960-1-01 |                                                                 |
| 3        | Staple                   | 8    | 200190-0-01 |                                                                 | 10-3     | Air Unit Holder Plate | 1    |             |                                                                 |
| 4-3- 1   | Presser Foot Lifter Cord | 1    |             |                                                                 | 10-4     | Air Tube Connector    | 1    | 140678-0-00 | U-10-5<br>Connector<br>Assembly<br>147189-0-01                  |
| 4-3- 2   | Micro Switch             | 1    | 140948-0-01 |                                                                 | 10-5- 1  | Nut 12                | 1    |             |                                                                 |
| 4-3- 3   | Cover                    | 1    | 140950-0-00 |                                                                 | 10-5- 2  | Sleeve SN5/16         | 1    | 147191-0-00 |                                                                 |
| 4-3- 4   | Terminal                 | 2    | 140693-0-00 |                                                                 | 10-5- 3  | 1/4 Connector         | 1    |             |                                                                 |
| 4-3- 5   | Cable Assembly           | 1    | 159892-0-00 |                                                                 | 11       | Air Tube              | 1    | 154309-0-00 |                                                                 |
| 4-3- 6   | Cable Assembly           | 1    | 159893-0-00 |                                                                 | 12       | Screw 4.5 x 20        | 4    | 101118-0-01 |                                                                 |

V. Pedal mechanism (Option parts) / Pedal (Option parts)  
 Mécanisme de la pédale (Pièces en option) / Mécanismo de la pedal (Piezas opción)



| Ref. No. | Name of Parts  | Q'ty | Parts No.   | Assembly No.                              | Ref. No. | Name of Parts         | Q'ty | Parts No.   | Assembly No.                              |
|----------|----------------|------|-------------|-------------------------------------------|----------|-----------------------|------|-------------|-------------------------------------------|
| 1- 1     | Treadle        | 1    |             | V-1<br>Treadle<br>Assembly<br>146175-0-01 | 1- 9     | Treadle Connector Arm | 1    |             | V-1<br>Treadle<br>Assembly<br>146175-0-01 |
| 1- 2     | Spring         | 1    | 146178-0-01 |                                           | 1-10     | Screw 6 x 16          | 2    | 001061-6-06 |                                           |
| 1- 3     | Spring Hook    | 1    | 140953-0-01 |                                           | 1-11     | Washer 6              | 2    | 025060-2-36 |                                           |
| 1- 4     | Nut 5          | 2    | 021500-1-04 |                                           | 1-12     | Washer 2-6            | 2    | 028060-2-42 |                                           |
| 1- 5     | Washer 5       | 1    | 025050-2-33 |                                           | 1-13     | Nut 6                 | 2    | 021060-2-06 |                                           |
| 1- 6     | Adjusting Hook | 1    | 140947-0-02 |                                           | 1-14     | Rubber Cover          | 1    | 109268-0-01 |                                           |
| 1- 7     | Nut 4 x 5      | 2    | 212251-0-01 |                                           | 1-15     | Clip 6                | 3    | 146358-0-01 |                                           |
| 1- 8     | Washer 2-4     | 1    | 028040-2-43 |                                           |          |                       |      |             |                                           |

# Z. Accessories / Zubehör Accessoires / Accesorios



| Ref. No. | Name of Parts                       | Q'ty | Parts No.   | Assembly No.                                           | Ref. No. | Name of Parts                             | Q'ty | Parts No.   | Assembly No.                                          |
|----------|-------------------------------------|------|-------------|--------------------------------------------------------|----------|-------------------------------------------|------|-------------|-------------------------------------------------------|
| 1        | Vinyl Bag                           | 1    | 122991-0-01 |                                                        | 16- 4-1  | Joint                                     | 1    |             | Z-16-4<br>Joint for<br>Cotton Stand<br>150106-0-01    |
| 3- 1     | Screw Driver 1.9 x 52               | 1    | 142443-0-01 |                                                        | 16- 4-2  | Screw 5 x 14                              | 2    | 150202-0-01 |                                                       |
| 3- 3     | Screw Driver 3.4 x 70               | 1    | 118837-0-01 |                                                        | 16- 4-3  | Nut 5                                     | 2    | 021500-1-03 |                                                       |
| 3- 4     | Screw Driver 5.5 x 19               | 1    | 101572-1-01 |                                                        | 16- 5    | Cap                                       | 1    |             |                                                       |
| 4- 1     | Spanner 8 x 9                       | 1    | 100887-0-01 |                                                        | 16- 6    | Spool Holder                              | 1    | 150176-0-01 |                                                       |
| 4-11     | Allen Wrench 2 (for Thread Trimmer) | 1    | 142002-0-01 |                                                        | 16- 7    | Bolt 5 x 28                               | 1    | 017502-8-03 |                                                       |
| 4-12     | Allen Wrench 3 (for Thread Trimmer) | 1    | 142721-0-01 |                                                        | 16- 8    | Spool Shaft (B)                           | 3    | 150179-0-01 |                                                       |
|          | Needle DP x 5 (for-3)               | 8    | 107415-0-14 |                                                        | 16- 9    | Spring Washer 2-5                         | 3    | 028050-2-43 |                                                       |
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| 112667-0-01 | L - 4-2       |        | 113526-0-01 | M-16       |        | 140682-0-01 | U- 1- 3- 3     |        | 143960-1-01 | U- 1-3- 1- 2  |        |
| 112668-0-01 | L - 6         |        | 114297-0-01 | M-14       |        | 140693-0-00 | U- 4- 1- 4     |        |             | U-10-2        |        |
| 112684-0-01 | L -14-2       |        |             | M-31       |        |             | U- 4- 3- 4     |        | 144189-0-01 | U- 9          |        |
|             | L -17         |        | 114447-0-02 | D- 1- 8-16 |        | 140947-0-02 | V - 1- 6       |        | 144222-0-01 | Z -17         |        |
| 112685-0-01 | K - 1-1       |        | 114483-0-02 | Z -12      |        | 140948-0-01 | U- 4- 1- 2     |        | 144458-0-01 | D-21          |        |
| 112686-0-01 | K - 2         |        | 114486-0-02 | M-72       |        |             | U- 4- 3- 2     |        | 144504-0-01 | B -19-5- 4    |        |
| 112687-0-01 | K - 4         |        | 114680-0-01 | C -23      |        | 140950-0-00 | U- 4- 1- 3     |        | 144614-0-01 | C -16         |        |
| 112690-0-01 | K - 7         |        | 114693-0-01 | M-65       |        |             | U- 4- 3- 3     |        | 144678-0-01 | B -19-1       |        |
| 112692-0-01 | K -10         |        | 114909-0-00 | F -22      |        | 140953-0-01 | V - 1- 3       |        | 144680-0-01 | B -19-1- 2    |        |
| 112694-0-01 | K -13         |        | 114941-0-01 | B -18      |        | 141439-0-01 | F -40          |        |             | B -19-5- 1- 2 |        |
| 112695-0-01 | K -14         |        |             | Z -10      |        | 141494-0-01 | F -44          |        | 144681-0-01 | B -19-1- 3    |        |
| 112696-0-00 | K -16         |        | 114948-0-01 | T - 9      |        |             | Q-50           |        | 144682-0-01 | B -19-1- 5    |        |
|             | M-68          |        | 114951-0-01 | T -11      |        |             | Q-56           |        |             | B -19-5- 1- 5 |        |
| 112697-0-01 | K -17         |        | 115177-0-01 | R -18      |        | 141748-0-01 | H -37          |        | 144683-0-01 | B -19-1-12    |        |
| 112698-0-01 | L - 4         |        | 115249-0-01 | M-94       |        | 142002-0-01 | Z - 4-11       |        |             | B -19-5- 1-14 |        |
| 112699-0-01 | K -20         |        | 115287-0-00 | K -29      |        | 142037-0-00 | U- 1- 3- 5     |        | 144685-0-01 | B -19-1-17    |        |
| 112700-0-01 | K -21         |        | 115638-0-04 | E -37      |        |             | U- 1- 4- 4     |        | 144686-0-01 | B -19-1-18    |        |
| 112701-0-01 | K -22-1       |        | 116010-0-01 | D-13       |        | 142038-0-01 | U- 1- 3- 6     |        | 144687-0-01 | B -19-1-19    |        |
| 112702-0-01 | K -23         |        | 116283-0-01 | T -12      |        |             | U- 1- 4- 5     |        | 144688-0-01 | B -19-1-20    |        |
| 112706-0-01 | B -19-1- 6    |        | 116498-0-01 | T - 9      |        | 142268-0-01 | A -19          |        | 144689-0-01 | B -19-1-21    |        |
| 112709-0-01 | B - 7         |        | 116500-0-01 | T - 9      |        | 142443-0-01 | Z - 3- 1       |        | 144703-0-01 | B -19-1-14    |        |
| 112712-0-01 | B -19-1-13    |        | 116502-0-01 | T - 9      |        | 142721-0-01 | Z - 4-12       |        |             | B -19-5- 1-16 |        |
|             | B -19-5- 1-15 |        | 116507-0-01 | T - 7      |        | 142746-0-02 | G - 8          |        | 144704-0-01 | B -19-1-15    |        |
| 112713-0-01 | B - 9-2       |        | 116509-0-01 | T -11      |        | 142747-0-02 | G - 7          |        | 144823-0-01 | B - 9-1       |        |
| 112714-0-00 | B -10-1       |        | 116510-1-01 | T -11      |        | 142990-0-01 | Z -16-18- 4    |        | 144881-1-01 | T - 7         |        |
| 112715-0-01 | B -16         |        | 116512-0-01 | T -11      |        | 143488-0-01 | U- 4- 1- 6     |        | 144882-0-01 | T - 7         |        |
| 112716-0-01 | M- 1          |        | 116558-0-01 | M-76       |        | 143489-0-01 | U- 1- 3-17     |        | 145328-0-01 | G- 1-4        |        |
| 112717-0-01 | M- 2          |        | 117133-0-01 | T - 7      |        |             | U- 4- 1- 7     |        | 145446-0-01 | B -19-5- 1- 8 |        |
| 112723-0-01 | M-15          |        | 117160-0-01 | R -15      |        | 143499-0-00 | U- 1- 3-16     |        |             | Z -14-3       |        |
| 112724-0-01 | M-13          |        | 117367-0-01 | T - 7      |        | 143501-0-00 | U- 4- 3-16     |        | 145502-0-01 | G- 9          |        |
| 112725-0-01 | M-10          |        | 117369-0-01 | T - 7      |        | 143519-0-01 | U- 4- 3-15     |        | 145596-0-01 | U- 1-3-11     |        |
| 112730-0-01 | M-11          |        | 117963-0-01 | Z -14      |        | 143520-0-00 | Q-82           |        | 145946-0-01 | Z -45         |        |
| 112734-0-01 | M-20          |        | 117969-0-01 | Z -14-10   |        | 143548-0-00 | U- 1- 3-18     |        | 146080-0-00 | N-22          |        |
| 112735-0-00 | M-21          |        | 117970-0-01 | Z -14-11   |        |             | U- 4- 3-10     |        |             | P - 9         |        |
| 112735-0-01 | M-22          |        | 117971-0-01 | Z -14-12   |        | 143549-0-00 | H - 6- 5       |        | 146105-0-00 | H-31          |        |
| 112736-0-00 | M-23          |        | 118170-1-01 | F -28      |        |             | N - 1- 5       |        | 146118-0-00 | U- 1-3-10     |        |

| Parts No.   | Ref. No.   | Remark | Parts No.   | Ref. No. | Remark | Parts No.   | Ref. No.    | Remark | Parts No.   | Ref. No.   | Remark |
|-------------|------------|--------|-------------|----------|--------|-------------|-------------|--------|-------------|------------|--------|
| 146124-0-01 | P - 5      |        | 148561-1-01 | Q-18     |        | 148737-0-01 | M-85- 2     |        | 149687-0-01 | T - 9      |        |
| 146141-0-01 | C - 6      |        | 148573-0-01 | Q-42     |        | 148738-0-00 | M-84- 2     |        | 149689-0-01 | T - 9      |        |
| 146153-0-01 | F -37      |        | 148574-0-01 | Q-14     |        | 148740-0-00 | M-41- 2     |        | 149691-0-01 | T-11       |        |
| 146160-0-01 | U - 4- 1   |        |             | Q-43     |        | 148741-0-01 | M-40- 2     |        | 149692-0-01 | T-11       |        |
| 146175-0-01 | V - 1      |        | 148575-0-01 | Q-45     |        | 148742-0-00 | M-39- 2     |        | 149697-0-01 | Q-49       |        |
| 146178-0-01 | V - 1- 2   |        | 148579-0-01 | Q-57     |        | 148743-0-01 | M-95        |        | 149768-0-01 | F-18- 2    |        |
| 146358-0-01 | V - 1-15   |        | 148581-0-01 | Q-49     |        | 148762-0-01 | M-63        |        | 149819-0-03 | A - 7      |        |
| 146597-1-01 | E -22      |        | 148584-0-01 | Q-49-2   |        | 148764-0-01 | H-26        |        | 149820-0-00 | C - 4      |        |
| 147189-0-01 | U-10- 5    |        | 148585-0-01 | Q-49     |        | 148768-0-01 | R-13        |        | 149821-0-01 | C - 8      |        |
| 147191-0-00 | U-10- 5-2  |        | 148587-0-01 | Q-51     |        | 148770-1-01 | N-16        |        | 149823-0-01 | C-11       |        |
| 147856-0-02 | Z -24- 4-1 |        | 148589-0-01 | Q-52     |        | 148771-0-01 | G - 1       |        | 149824-0-01 | C-12       |        |
| 147858-0-01 | Z -24- 4-2 |        | 148591-0-01 | Q-53     |        | 148801-0-01 | G-32- 2     |        | 149825-0-01 | C-14       |        |
| 147908-0-01 | Z -24      |        | 148592-0-01 | Q-54     |        | 148802-0-01 | G-35- 1     |        | 149826-0-01 | B -23      |        |
| 148005-0-01 | K-11       |        | 148599-0-01 | D-12     |        | 148803-0-01 | L - 8       |        | 149827-0-01 | D- 1- 8-6  |        |
| 148011-1-01 | B -19- 1   |        | 148601-0-01 | K-33     |        | 148804-0-01 | L-14        |        | 149831-0-01 | T - 3      |        |
| 148462-0-01 | A-21       |        | 148603-0-01 | K-27-2   |        | 148818-0-01 | A-21        |        | 149832-0-01 | T - 5      |        |
| 148480-0-01 | K-22- 2    |        |             | Z - 9    |        | 148821-0-01 | L-10        |        | 149833-0-01 | T - 4      |        |
| 148481-0-01 | K - 1- 2   |        | 148604-0-00 | B -10-2  |        | 148825-0-01 | S - 4       |        | 149834-0-00 | M-96       |        |
| 148482-1-01 | Q - 1      |        | 148605-0-01 | F -53    |        | 148835-0-01 | F - 9- 1    |        | 149837-0-01 | E - 1      |        |
| 148483-0-01 | F - 6      |        | 148607-0-02 | H - 2    |        |             | F - 9- 2    |        | 149838-0-01 | E - 3      |        |
| 148486-0-01 | F -14- 1   |        | 148608-0-01 | H - 4    |        | 148882-0-01 | Z -36- 1    |        | 149839-0-01 | E - 6      |        |
|             | F -14- 2   |        | 148611-0-01 | A-16     |        | 148890-1-01 | Z -39       |        | 149843-0-01 | E -10      |        |
| 148487-0-01 | G-17       |        | 148614-0-01 | A-17     |        | 148924-1-01 | B -19- 1- 9 |        | 149847-0-01 | E -11      |        |
| 148488-0-01 | G-12       |        | 148615-0-01 | S - 1    |        | 148977-0-01 | J -12       |        | 149852-0-01 | E -12      |        |
| 148489-0-01 | G-11- 1    |        | 148619-0-01 | R - 1    |        | 149001-0-01 | J - 7       |        | 149853-0-01 | E -13      |        |
| 148490-0-01 | J -11      |        | 148623-0-01 | R - 2    |        | 149010-0-00 | Z -11- 2    |        |             | E -48      |        |
| 148491-0-01 | J -12      |        | 148625-0-01 | R - 5    |        | 149024-0-01 | F -39       |        | 149855-0-01 | E -19      |        |
| 148492-0-01 | J - 7      |        | 148628-0-01 | R - 6    |        | 149025-0-01 | F -43       |        | 149856-0-01 | E -21      |        |
| 148493-0-01 | J - 1      |        |             | R - 9    |        | 149027-0-01 | F -45       |        | 149857-0-01 | E -23- 1   |        |
| 148494-0-01 | J - 5      |        | 148629-0-01 | R - 7    |        | 149063-0-01 | H-42        |        | 149858-0-01 | E -24- 1   |        |
| 148495-0-01 | G-38       |        | 148630-0-01 | R - 8    |        | 149169-0-01 | Q - 8- 2    |        | 149859-0-01 | E -26- 1   |        |
| 148496-0-00 | G-32- 2-1  |        | 148631-0-01 | R-11     |        | 149174-0-01 | H - 7       |        | 149860-0-01 | E -27      |        |
| 148500-0-01 | G-18       |        | 148632-0-01 | R-12     |        | 149177-0-01 | D-23        |        | 149863-0-01 | E -28      |        |
| 148501-1-01 | G-15- 2    |        | 148633-0-01 | R-17     |        |             | N-21        |        | 149864-0-01 | E -29- 1   |        |
|             | G-15- 3    |        | 148634-0-01 | R-14     |        | 149179-0-01 | A-23        |        |             | E -29- 2   |        |
| 148502-0-00 | L - 3      |        | 148635-0-01 | R-16     |        | 149288-0-02 | A-18        |        | 149865-0-01 | E -31      |        |
| 148503-0-00 | L - 2      |        | 148638-0-01 | H - 9    |        | 149554-0-01 | H-53        |        | 149866-0-02 | E -32      |        |
| 148508-0-01 | N-15       |        | 148640-0-01 | H-11     |        | 149604-0-01 | D - 1- 8- 4 |        | 149867-0-01 | E -34      |        |
| 148511-0-01 | N - 1- 2   |        | 148654-0-01 | R-19     |        | 149605-0-01 | D - 1- 8- 5 |        | 149868-0-01 | E -36      |        |
| 148512-0-00 | N - 1- 4   |        | 148655-0-01 | Q-61     |        | 149606-0-01 | D - 1- 8- 7 |        | 149873-0-01 | P - 2      |        |
| 148513-0-02 | N - 5      |        | 148674-0-01 | F -29    |        | 149607-0-01 | D - 1- 8- 8 |        | 149938-0-01 | T-11       |        |
| 148514-0-02 | N - 7      |        | 148681-0-01 | T - 9    |        | 149608-0-01 | D - 1- 8- 9 |        | 149939-0-01 | T -11      |        |
| 148515-0-01 | N - 9      |        | 148683-0-01 | T - 9    |        | 149609-0-01 | D - 1- 8-11 |        | 149940-0-01 | T - 9      |        |
| 148516-0-01 | N-11       |        | 148685-0-01 | T - 9    |        | 149610-0-01 | D - 1- 8-13 |        | 149942-0-01 | T - 9      |        |
| 148517-0-00 | N-12       |        | 148687-0-01 | T - 9    |        | 149611-0-01 | D - 1- 8-14 |        | 149948-0-01 | T -11      |        |
| 148518-0-00 | N-14       |        | 148689-0-01 | T - 9    |        | 149612-0-01 | D - 1- 8-15 |        | 149949-0-01 | T -11      |        |
| 148521-0-01 | N-10       |        | 148691-0-01 | T - 9    |        | 149613-0-01 | D - 1- 9    |        | 149950-0-01 | T - 9      |        |
| 148526-0-01 | N-18       |        | 148693-0-01 | T - 9    |        | 149614-1-01 | D - 1-11    |        | 149952-0-01 | T - 9      |        |
| 148527-0-01 | N-18       |        | 148695-0-01 | T - 9    |        | 149615-1-01 | D - 1-12    |        | 149954-0-01 | T - 7      |        |
| 148528-0-01 | N-23       |        | 148698-0-01 | T -11    |        | 149616-0-01 | D - 1-13    |        | 149958-0-01 | Q-49       |        |
| 148529-0-01 | N-19       |        | 148699-0-01 | T -11    |        | 149617-0-01 | D - 1-15    |        | 149986-0-01 | N-23       |        |
|             | Z -33      |        | 148700-0-01 | T -11    |        | 149618-0-02 | D - 1-17    |        | 149991-0-01 | F -46      |        |
| 148530-0-01 | N-20       |        | 148701-0-01 | T -11    |        | 149618-0-03 | D - 1-17    |        | 150106-0-01 | Z -16- 4   |        |
|             | Z -34      |        | 148702-0-01 | T -11    |        | 149618-0-04 | D - 1-17    |        | 150139-0-01 | Z -16- 1   |        |
| 148536-0-01 | Q - 6      |        | 148703-0-01 | T -11    |        | 149618-0-05 | D - 1-17    |        | 150151-0-03 | Z -16      |        |
| 148537-0-01 | Q - 7      |        | 148704-0-01 | T -11    |        | 149618-0-06 | D - 1-17    |        | 150172-0-01 | Z -16- 3   |        |
| 148538-0-01 | Q - 8- 1   |        | 148705-0-01 | T -11    |        | 149618-0-07 | D - 1-17    |        | 150176-0-01 | Z -16- 6   |        |
| 148539-0-01 | Q - 9      |        | 148728-0-01 | M-59-2   |        | 149618-0-08 | D - 1-17    |        |             | Z -16-18-1 |        |
| 148545-0-01 | Q -16- 3   |        | 148729-0-01 | M-28-2   |        | 149618-0-09 | D - 1-17    |        | 150179-0-01 | Z -16- 8   |        |
| 148546-0-01 | N - 4      |        | 148730-0-01 | M-24-2   |        | 149618-0-10 | D - 1-17    |        | 150180-0-00 | Z -16-11   |        |
|             | Q -17      |        | 148731-0-00 | M-25-2   |        | 149618-0-11 | D - 1-17    |        | 150181-1-01 | Z -16- 1-2 |        |
| 148547-0-01 | Q -21      |        | 148732-0-01 | M-30-2   |        | 149621-0-01 | D - 1-18    |        | 150182-0-00 | Z -16-12   |        |
| 148548-0-01 | Q -22      |        | 148733-0-01 | M-42-2   |        | 149622-0-01 | D - 1-19    |        | 150184-0-01 | Z -16-18-5 |        |
| 148554-0-01 | Q -27      |        |             | M-50-2   |        | 149623-0-01 | D - 1-20    |        | 150188-0-01 | Z -16-14   |        |
| 148555-0-01 | Q -25      |        | 148734-0-00 | M-49-2   |        | 149624-0-01 | D - 1-22    |        | 150193-0-03 | Z -16-18   |        |
| 148557-0-01 | Q -30      |        | 148735-0-01 | M-44-2   |        | 149625-0-01 | D - 1-23    |        | 150202-0-01 | Z -16- 4-2 |        |
| 148559-0-00 | Q -24      |        | 148736-0-00 | M-43-2   |        | 149626-0-01 | M-97        |        | 150369-1-01 | D - 1      |        |

| Parts No.   | Ref. No.     | Remark | Parts No.   | Ref. No.    | Remark | Parts No.   | Ref. No.  | Remark | Parts No. | Ref. No. | Remark |
|-------------|--------------|--------|-------------|-------------|--------|-------------|-----------|--------|-----------|----------|--------|
| 150371-0-01 | K- 9- 1      |        | 154514-0-01 | E-54        |        | 159814-0-00 | U- 1-3- 2 |        |           |          |        |
| 150374-0-00 | M- 4         |        | 154702-0-01 | Z-13        |        | 159889-0-01 | U- 1-4- 1 |        |           |          |        |
| 150553-0-03 | B- 2         |        | 154729-0-01 | H- 6-2      |        | 159890-0-01 | U- 1      |        |           |          |        |
| 150557-0-01 | Z-36- 3      |        | 154730-0-01 | H- 6-3      |        | 159892-0-00 | U- 4-3- 5 |        |           |          |        |
| 150815-0-01 | A-24         |        | 154731-0-00 | H- 6-4      |        | 159893-0-00 | U- 4-3- 6 |        |           |          |        |
| 150816-0-01 | D- 1-10      |        | 154732-0-01 | H- 6        |        | 159894-0-00 | U- 1-4- 7 |        |           |          |        |
| 150817-1-01 | D-19         |        | 154734-0-01 | H- 6        |        |             | U- 4-3- 7 |        |           |          |        |
| 150818-0-01 | E-14         |        | 155447-1-01 | F-21        |        | 159900-0-01 | Q-16      |        |           |          |        |
| 150819-0-01 | E-16         |        | 155451-0-01 | G-35-2      |        | 159895-0-01 | U- 4-3    |        |           |          |        |
| 150820-0-01 | E-17         |        | 155491-0-01 | B-19-5-1- 3 |        | 180157-0-01 | C-19      |        |           |          |        |
| 150821-1-00 | Q-10         |        | 155492-0-01 | B-19-5-1-10 |        | 180164-0-01 | L- 8      |        |           |          |        |
| 150825-0-01 | M-51         |        | 155505-0-01 | F-16        |        | 180321-0-01 | G- 3      |        |           |          |        |
| 150830-0-01 | T- 1         |        | 155510-0-01 | B-19-5-6    |        | 180949-0-01 | L-16      |        |           |          |        |
| 150843-0-01 | T- 1         |        | 155722-0-01 | T- 7        |        | 180950-0-01 | F- 9-1    |        |           |          |        |
| 150844-0-01 | T- 1         |        | 155724-0-01 | T- 7        |        | 181486-0-01 | L-14      |        |           |          |        |
| 150845-0-01 | T- 1         |        | 155851-0-01 | T- 7        |        | 181712-0-01 | Q-29      |        |           |          |        |
| 150846-0-01 | T- 1         |        | 155853-0-01 | T- 7        |        | 181713-0-01 | Q-31      |        |           |          |        |
| 150850-0-01 | T- 7         |        | 155855-0-01 | T- 7        |        | 183180-0-01 | T- 1      |        |           |          |        |
| 150885-0-01 | T- 1         |        | 155857-0-01 | T- 7        |        | 200190-0-01 | U- 3      |        |           |          |        |
| 150917-0-01 | D-22         |        | 156362-0-01 | H- 1        |        | 212251-0-01 | V- 1-7    |        |           |          |        |
| 151007-1-01 | M-70         |        | 156479-0-00 | P-10-2      |        | 215080-0-01 | S- 2-2-14 |        |           |          |        |
| 151025-0-01 | K- 9- 1- 3-4 |        | 156530-0-01 | T- 1        |        |             | S- 2-2-20 |        |           |          |        |
| 151029-0-01 | K- 9- 1- 3-5 |        | 156546-0-01 | N- 1        |        | 215083-0-01 | S- 2-3- 5 |        |           |          |        |
|             | K- 9- 3- 3-5 |        | 156548-0-01 | P- 4        |        |             | S- 2-2- 5 |        |           |          |        |
| 151030-0-01 | K- 9- 1- 3-6 |        | 156550-0-01 | Q-16        |        |             | S- 2-2-12 |        |           |          |        |
|             | K- 9- 3- 3-6 |        | 156816-0-01 | T- 7        |        |             | S- 2-3-14 |        |           |          |        |
| 151041-0-01 | K- 9- 1- 3   |        | 156818-0-01 | T-11        |        | 216248-0-01 | Q-83      |        |           |          |        |
| 151043-0-01 | K- 9- 3- 3-4 |        | 156819-0-01 | T- 9        |        | 216323-0-01 | U- 1-4- 9 |        |           |          |        |
| 151080-0-01 | G-24         |        | 156824-0-01 | F-25        |        | 216324-0-01 | U- 1-4-10 |        |           |          |        |
| 151081-0-01 | J-11         |        | 156956-0-01 | G-40        |        | 216382-0-01 | U- 4-3- 9 |        |           |          |        |
| 151082-0-01 | L- 1         |        | 156998-0-01 | P- 6        |        | 216384-0-01 | U- 4-3- 8 |        |           |          |        |
| 151083-0-01 | M-28- 1      |        | 157999-0-01 | P-13        |        | 217093-0-01 | S- 2-2-16 |        |           |          |        |
| 151084-0-00 | M-42- 1      |        | 158747-0-01 | G-11-2      |        |             | S- 2-3-16 |        |           |          |        |
| 151147-0-01 | U- 1- 3- 4   |        | 158748-0-01 | G-22-2      |        |             | S- 2-3-18 |        |           |          |        |
| 151153-1-01 | U- 1- 3- 1   |        | 158749-0-01 | C-16        |        |             | S- 2-3-21 |        |           |          |        |
| 151191-0-01 | D-20         |        | 158750-0-01 | L- 1        |        | 219557-0-00 | S- 2-3- 6 |        |           |          |        |
| 151507-0-01 | G- 6         |        | 158751-0-01 | Q-47        |        |             | S- 2-2- 6 |        |           |          |        |
| 151601-0-02 | F-25- 2      |        | 158752-0-01 | H-16        |        | 219558-0-00 | S- 2-3- 7 |        |           |          |        |
| 151602-0-01 | G-16         |        | 158753-0-01 | H-15        |        |             | S- 2-2- 7 |        |           |          |        |
|             | G-41         |        | 158761-0-01 | K- 9-3      |        | 219559-0-00 | S- 2-3- 8 |        |           |          |        |
| 151602-0-02 | A-15         |        | 158769-0-01 | B-19-5-1-17 |        |             | S- 2-2- 8 |        |           |          |        |
| 151605-0-01 | F-27         |        | 158770-0-01 | B-19-5-3    |        | 221421-0-01 | S- 2-3- 9 |        |           |          |        |
|             | G-35- 1- 2   |        | 158771-0-01 | B-19-5-2    |        |             | S- 2-2- 9 |        |           |          |        |
|             | G-35- 2- 2   |        | 158772-0-01 | Q-13        |        | 221786-0-01 | U- 4-3-14 |        |           |          |        |
|             | L-19         |        | 158775-0-01 | S- 6        |        | 222370-0-01 | S- 2      |        |           |          |        |
| 151626-0-01 | E-53         |        | 158776-0-01 | S- 8        |        | 224357-0-01 | S- 2-3    |        |           |          |        |
| 153064-0-01 | E-24- 2      |        | 158782-1-01 | B-19-5-5    |        | 503093-0-01 | M- 8      |        |           |          |        |
| 153065-0-01 | E-26- 2      |        | 158812-0-01 | Q-16        |        |             |           |        |           |          |        |
| 153066-0-01 | E-23- 2      |        | 158814-0-01 | Q-26        |        | 107231-0-02 | A- 6      |        |           |          |        |
| 153067-0-01 | E-40         |        | 158815-0-01 | N- 1        |        | 108264-0-01 | B-19-1- 8 |        |           |          |        |
| 153068-0-01 | E-42         |        | 158817-0-00 | P- 4        |        | 158764-1-01 | B-19-5    |        |           |          |        |
| 153069-0-01 | E-43         |        | 159361-0-01 | G- 4        |        |             |           |        |           |          |        |
| 153073-0-02 | E-45         |        | 159362-0-01 | Q- 3        |        |             |           |        |           |          |        |
| 153168-0-01 | G- 5         |        | 159365-0-01 | Q- 5        |        |             |           |        |           |          |        |
| 153243-0-01 | K-36         |        | 159366-0-01 | Q-41        |        |             |           |        |           |          |        |
| 153244-0-01 | K-36         |        | 159429-0-01 | H- 5        |        |             |           |        |           |          |        |
| 153433-0-00 | U- 4- 3-12   |        | 159436-0-01 | F-23        |        |             |           |        |           |          |        |
| 153483-0-01 | K-15         |        | 159605-0-01 | F-33        |        |             |           |        |           |          |        |
| 153604-1-01 | D- 1- 6      |        | 159606-0-01 | F-47        |        |             |           |        |           |          |        |
| 153606-0-01 | D- 1- 7      |        | 159607-0-01 | F-49        |        |             |           |        |           |          |        |
| 153969-0-00 | E-58         |        | 159608-0-01 | F-52        |        |             |           |        |           |          |        |
|             | Q-80         |        | 159621-0-01 | F-31        |        |             |           |        |           |          |        |
| 153971-0-01 | E-59         |        | 159803-0-01 | K- 9-3-3    |        |             |           |        |           |          |        |
|             | Q-81         |        | 159805-0-01 | B-19-5-1- 9 |        |             |           |        |           |          |        |
| 154309-0-00 | U-11         |        | 159806-0-01 | P- 1        |        |             |           |        |           |          |        |
| 154491-0-01 | E-44         |        | 159807-0-01 | P-10        |        |             |           |        |           |          |        |
| 154498-1-01 | E-47         |        | 159813-0-01 | U- 1-3      |        |             |           |        |           |          |        |