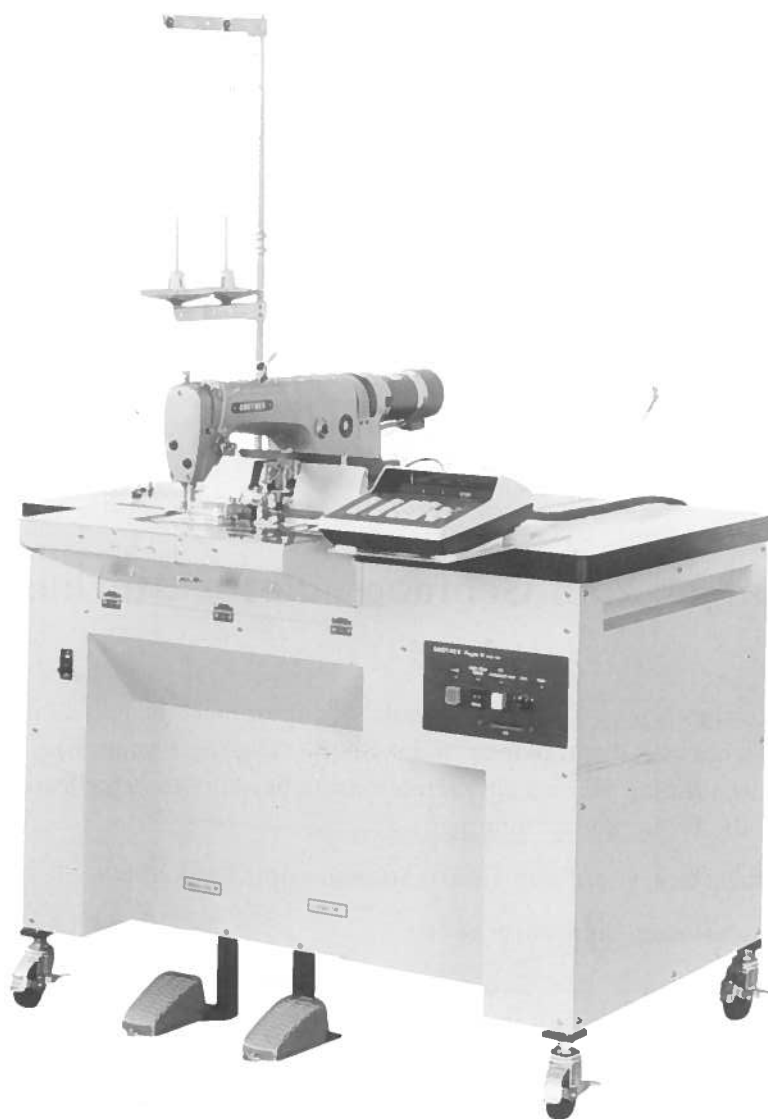


# **PARTS BOOK**

**FOR**

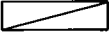
## **BROTHER BAS—301**



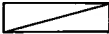
**Programmable Electric Lock Stitch Sewing Machine Profile M**

**BROTHER INDUSTRIES, LTD.**  
**NAGOYA, JAPAN**

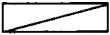
## Notes for using this parts book

1. If the symbol  in the "Parts No." column indicates that the part is not available for supply. if, however, there is a number in the "Assembly No." column, the Parts can be ordered as an assembly. Please, therefore, order by using the Assembly No.
2. This book was prepared based on information available in April, 1980.
3. Parts are subject to changes in design without prior notice.
4. Use this parts book together with the one for DB2-B715. Refer to this parts book for the redundant portion.
- \* The machine head used for BAS-301 is DB2-B715, therefore, when checking the parts for B715 head, which will be different depending upon the sub-classes using B715 parts book, please see the column of sub-class -105.

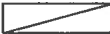
## Anmerkungen zum Gebrauch dieses Stücklistebuches

1. 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.
2. Dieses Buch basiert auf den Informationen vom April, 1980.
3. Modelländerungen sind vorbehalten.
4. Schlagen Sie auch das Teilbuch für DB2-B715 nach. Wenn ein Teil sich überschneidet, schlag man dann in diesem Buch nach.
- \* Was der Nähmaschinenkopf für BAS-301 betrifft, schlagen Sie die Spezifikation - 105 von dem Teilbuch für DB2-B715.

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

1. Le symbole  dans la colonne "N° de pièce" signifie que la pièce ne peut être fournie. Si, dans la colonne "N° jeu de pcs", il y a un numéro de nomenclature, la pièce peut être commandée comme faisant partie d'un jeu de pièces. Donc, pour toute commande, veuillez spécifier le n° du jeu de pièces.
  2. Ce manuel a été fait d'après les renseignements valables au mois de Avril 1980.
  3. Les pièces peuvent être sujettes à des modifications sans préavis.
  4. Voyez en confortant avec une livre des pieces détachées de Modele DB2-B715 Et conférez ce livre de pièces détachées sur un endroit repris.
- \* Quand vous voyez le liste des pieces par specification dans une livre des pièces détachées de tête, cherchez BAS-301 comme 105.

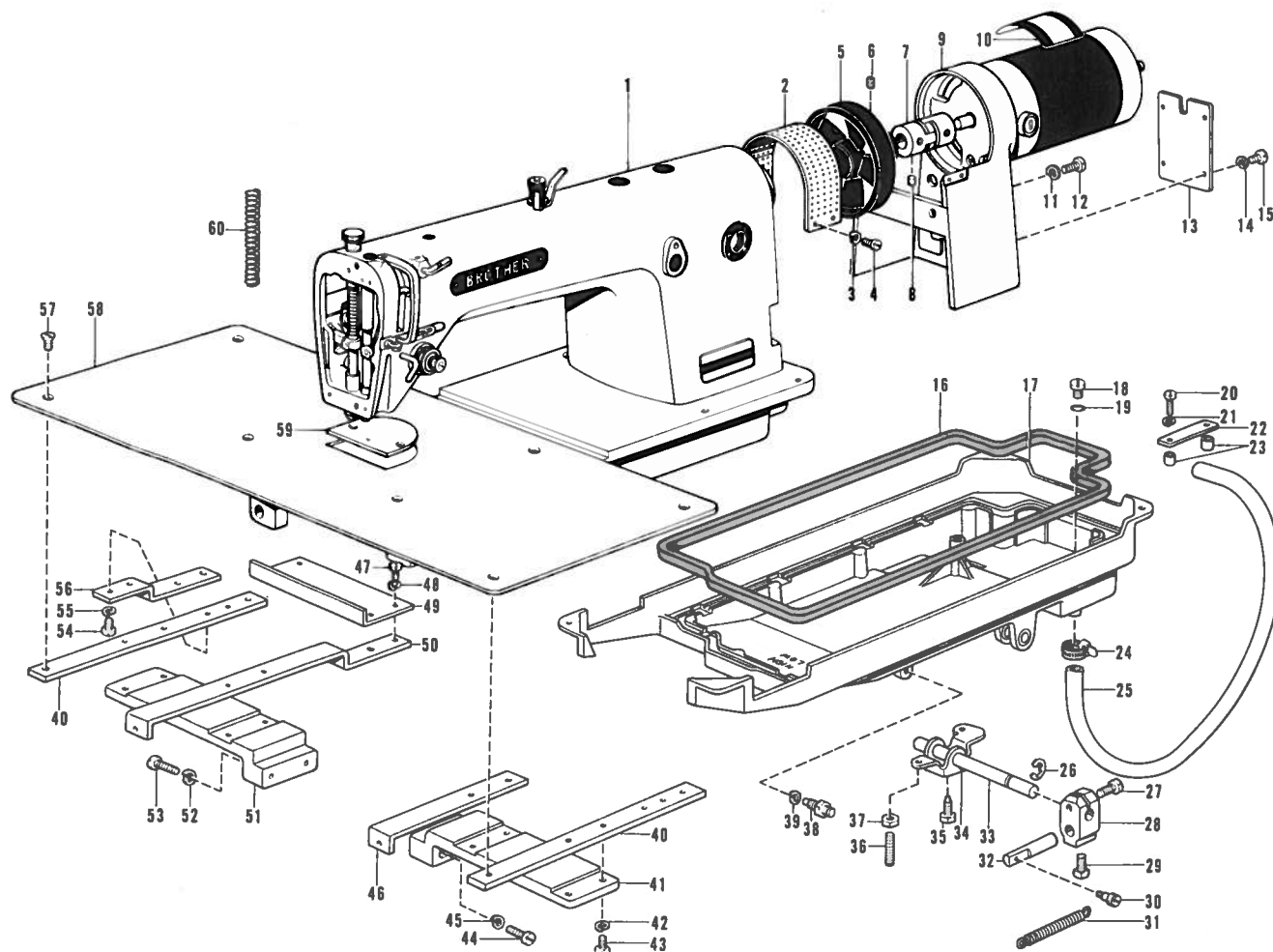
## Notas para usar este Libro de Piezas

1. 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 "Número 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.
  2. Este libro ha sido compilado basándose en los datos de que se disponía en Abril de 1980.
  3. Las piezas quedan sujetas a cambios de diseño sin aviso previo.
  4. Vea también el folleto de piezas del modelo DB2-B715. En cuanto a las partes que se duplican, refiérase a este folleto de piezas.
- \* Cuando usted busca las piezas que difieren según especificaciones en el folleto de piezas del modelo DB2-B715, vea las de la especificación de -105 para BAS-301.

## CONTENTS

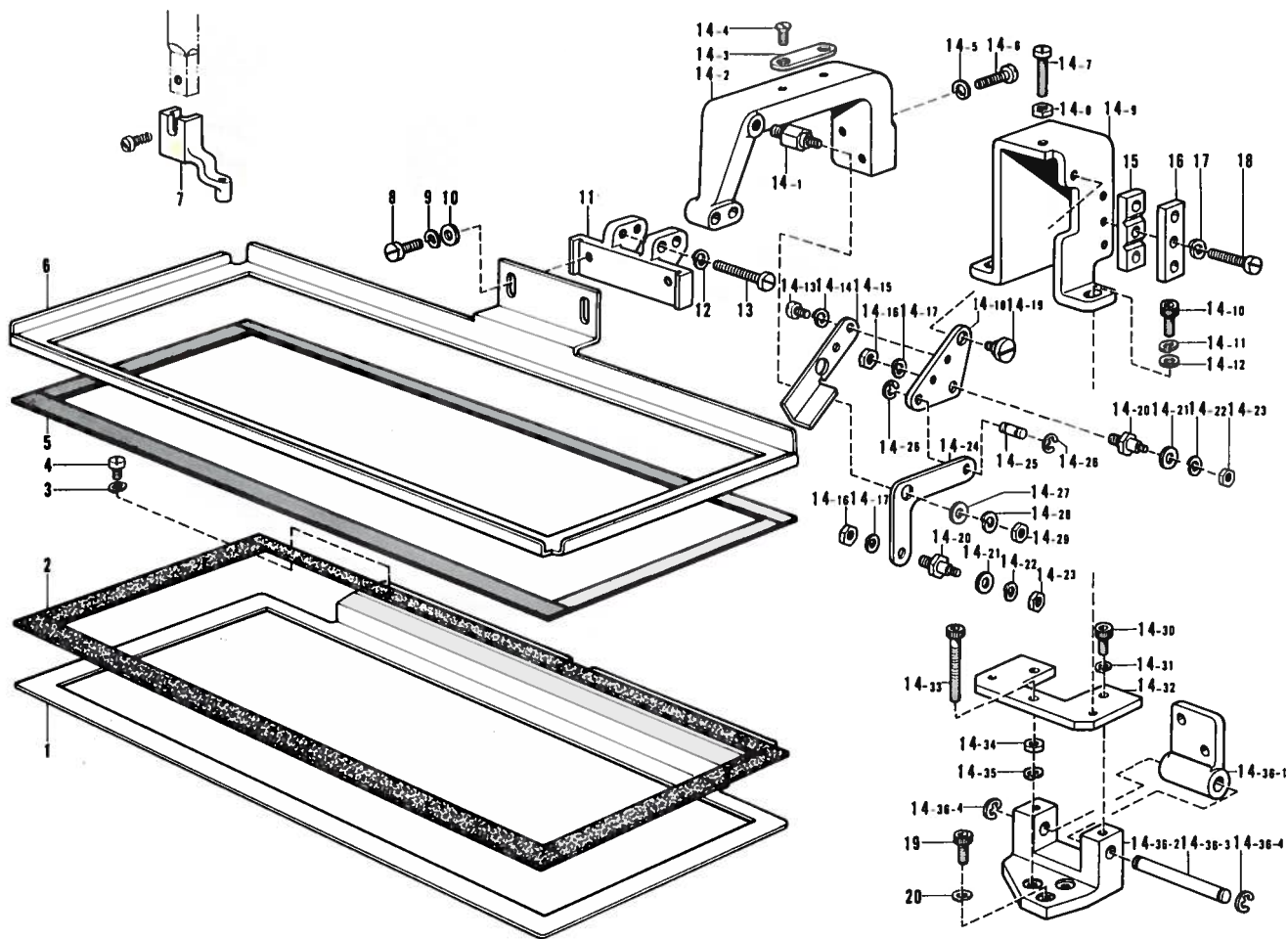
|                                                              |    |
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# A. Machine Body · Presser Foot · Knee Lifter and Motor



| Ref. No. | Name of Parts             | Q'ty | Parts No.   | Assembly No. | Ref. No. | Name of Parts                | Q'ty | Parts No.   | Assembly No. |
|----------|---------------------------|------|-------------|--------------|----------|------------------------------|------|-------------|--------------|
| A-1      | Arm Bed                   | 1    |             |              | A-31     | Spring                       | 1    | 152285-0-01 |              |
| A-2      | Pulley Cover              | 1    |             |              | A-32     | Piston Drive Link            | 1    | 152286-0-01 |              |
| A-3      | Washer 2-3                | 4    | 028030-2-42 |              | A-33     | Knee Lifter Shaft            | 1    | 146069-0-01 |              |
| A-4      | Screw 2.6 x 6             | 4    | 007260-6-12 |              | A-34     | Knee Lifter                  | 1    | 146037-0-01 |              |
| A-5      | Pulley                    | 1    | 152389-0-01 |              | A-35     | Bolt 5.95                    | 1    | 146367-0-01 |              |
| A-6      | Screw 5 x 12              | 2    | 014501-2-22 |              | A-36     | Screw 5.95                   | 2    | 104885-0-01 |              |
| A-7      | Coupling Assembly         | 1    | 152593-0-00 |              | A-37     | Nut 5.95                     | 2    | 100022-0-04 |              |
| A-8      | Screw 6.35 x 6            | 4    | 014770-6-22 |              | A-38     | Screw                        | 1    | 147141-0-01 |              |
| A-9      | DD Motor Bracket Assembly | 1    | 152383-2-01 |              | A-39     | Washer 2 6                   | 1    | 028060-2-42 |              |
| A-10     | Label                     | 1    |             |              | A-40     | Plate for Needle Plate       | 2    | 152259-1-01 |              |
| A-11     | Washer 2-6                | 2    | 028060-2-42 |              | A-41     | Needle Plate Supporter Right | 1    | 152257-0-01 |              |
| A-12     | Screw 5.95 x 16           | 2    | 009761-6-12 |              | A-42     | Washer 2 4                   | 8    | 028040-2-42 |              |
| A-13     | Motor Bracket Cover       | 1    |             |              | A-43     | Screw 4 x 10                 | 8    | 007401-0-12 |              |
| A-14     | Washer 2-3                | 4    | 028030-2-43 |              | A-44     | Screw 4.37                   | 2    | 102424-0-03 |              |
| A-15     | Screw 3 x 6               | 4    | 007300-6-13 |              | A-45     | Washer 2 4, 37               | 2    | 028680-2-42 |              |
| A-16     | Packing                   | 1    | 146040-0-01 |              | A-46     | Cover Supporter Plate Right  | 1    | 152634-0-01 |              |
| A-17     | Oil Pan                   | 1    | 152284-0-00 |              | A-47     | Screw 3 x 6                  | 4    | 007300-6-12 |              |
| A-18     | Screw 7.94                | 1    | 140518-0-01 |              | A-48     | Washer 2 3                   | 4    | 028030-2-42 |              |
| A-19     | O Ring P7                 | 1    | 081007-0-70 |              | A-49     | Rear Cover                   | 1    |             |              |
| A-20     | Screw 3 x 20              | 2    | 007302-0-13 |              | A-50     | Cover Supporter Plate Left   | 1    | 152635-0-01 |              |
| A-21     | Washer 2-3                | 2    | 028030-2-43 |              | A-51     | Needle Plate Supporter Left  | 1    | 152258-1-01 |              |
| A-22     | Hose Setting Plate        | 1    | 152290-0-01 |              | A-52     | Washer 2 4, 37               | 2    | 028680-2-42 |              |
| A-23     | Spacer B                  | 2    | 152545-0-00 |              | A-53     | Screw 4.37                   | 2    | 102424-0-03 |              |
| A-24     | Tube Fastener (S)         | 1    |             |              | A-54     | Screw 4 x 8                  | 2    | 007400-8-12 |              |
| A-25     | Drainage Hose             | 1    |             |              | A-55     | Washer 2 4                   | 2    | 028040-2-42 |              |
| A-26     | Stop Ring E10             | 1    | 146293-0-01 |              | A-56     | Cover Setting Plate          | 1    | 152260-0-01 |              |
| A-27     | Bolt 5.95 x 20            | 1    | 017762-0-13 |              | A-57     | Screw 4.37                   | 8    | 100032-0-03 |              |
| A-28     | Knee Lifter Joint         | 1    | 146039-0-01 |              | A-58     | Needle Plate SUS             | 1    | 152255-0-00 |              |
| A-29     | Bolt 7.94                 | 1    | 100463-0-01 |              | A-59     | Needle Plate 22              | 1    | 152256-0-01 |              |
| A-30     | Screw                     | 1    | 152287-0-01 |              | A-60     | Spring B                     | 1    | 152641-0-01 |              |

## B. Clamp Mechanism (I)

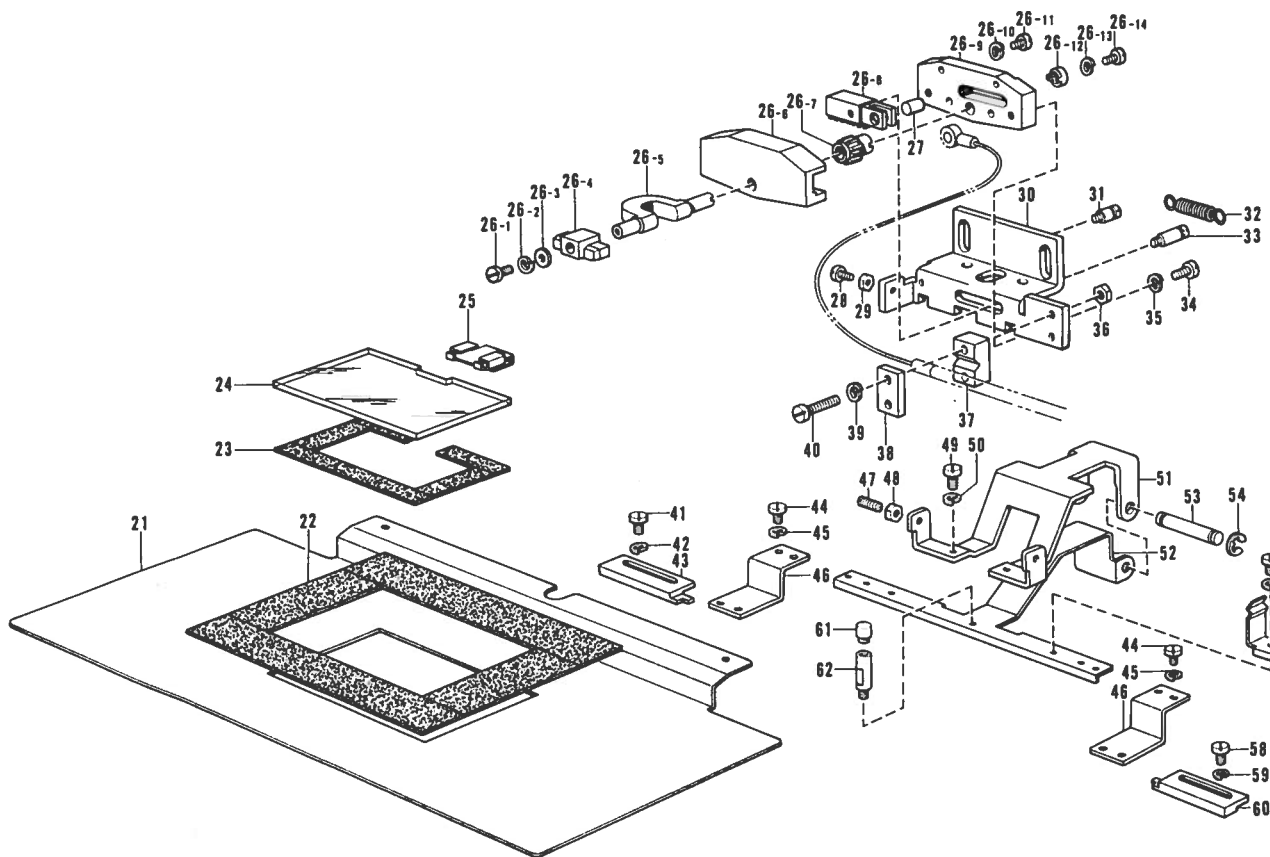


| Ref. No. | Name of Parts           | Q'ty | Parts No.   | Assembly No. | Ref. No.  | Name of Parts         | Q'ty | Parts No.   | Assembly No. |
|----------|-------------------------|------|-------------|--------------|-----------|-----------------------|------|-------------|--------------|
| B-1      | Feed Plate B-A          | 1    | 152282-1-01 |              | B-14-17   | Washer 2-4            | 2    | 028040-2-43 |              |
| B-2      | Friction Plate          | 1    |             |              | B-14-18   | Lever A               | 1    | 152268-0-01 |              |
| B-3      | Washer 2-3              | 3    | 028030-2-43 |              | B-14-19   | Screw                 | 1    | 152269-0-01 |              |
| B-4      | Screw 3 x 8             | 3    | 007300-8-03 |              | B-14-20   | Screw                 | 2    | 152277-0-01 |              |
| B-5      | Presser Plate Cushion   | 1    |             |              | B-14-21   | Washer 3              | 2    | 025030-2-33 |              |
| B-6      | Presser                 | 1    | 152280-1-01 |              | B-14-22   | Washer 2-3            | 2    | 028030-2-43 |              |
| B-7      | Presser Foot A          | 1    | 152283-1-01 |              | B-14-23   | Nut 3                 | 2    | 021300-1-03 |              |
| B-8      | Screw 4 x 8             | 2    | 007400-8-13 |              | B-14-24   | Lever B               | 1    | 152271-0-01 |              |
| B-9      | Washer 2-4              | 2    | 028040-2-43 |              | B-14-25   | Lever Shaft B         | 1    | 152272-0-01 |              |
| B-10     | Washer 4                | 2    | 025040-2-33 |              | B-14-26   | Stop Ring E3          | 2    | 048030-3-42 |              |
| B-11     | Presser Plate Supporter | 1    | 152274-1-01 |              | B-14-27   | Washer 4              | 1    | 025040-2-33 |              |
| B-12     | Washer 2-4              | 2    | 028040-2-43 |              | B-14-28   | Washer 2-4            | 1    | 028040-2-43 |              |
| B-13     | Screw 4 x 25            | 2    | 007402-5-13 |              | B-14-29   | Nut 4                 | 1    | 021400-1-03 |              |
| B-14-1   | Lever Shaft A           | 1    | 152270-0-01 |              | B-14-30   | Bolt 4 x 8            | 2    | 018400-8-22 |              |
| B-14-2   | Presser Arm             | 1    | 154109-0-01 |              | B-14-31   | Washer 2-4            | 2    | 028040-2-42 |              |
| B-14-3   | Stopper Plate           | 1    | 154112-0-01 |              | B-14-32   | Supporter Plate       | 1    | 154110-0-01 |              |
| B-14-4   | Screw 3 x 8             | 2    | 003300-8-12 |              | B-14-33   | Bolt 4 x 30           | 1    | 018403-0-22 |              |
| B-14-5   | Washer 2-4              | 2    | 028040-2-42 |              | B-14-34   | Nut 4                 | 1    | 021400-1-03 |              |
| B-14-6   | Screw 4 x 14            | 2    | 007401-4-12 |              | B-14-35   | Washer 2-4            | 1    | 028040-2-43 |              |
| B-14-7   | Screw 4 x 20            | 1    | 007402-0-13 |              | B-14-36-1 | Hinge for Presser Arm | 1    |             |              |
| B-14-8   | Nut 4                   | 1    | 021400-1-03 |              | B-14-36-2 | Hinge Holder          | 1    |             |              |
| B-14-9   | Presser Lever Holder    | 1    | 154111-0-01 |              | B-14-36-3 | Hinge Shaft           | 1    | 154108-0-01 |              |
| B-14-10  | Bolt 4 x 10             | 2    | 018401-0-22 |              | B-14-36-4 | Stop Ring E5          | 2    | 048050-3-42 |              |
| B-14-11  | Washer 2-4              | 2    | 028040-2-42 |              | B-15      | Wire Holder Lower A   | 1    | 152276-1-01 |              |
| B-14-12  | Washer 4                | 2    | 025040-2-32 |              | B-16      | Wire Holder Upper A   | 1    | 152275-0-01 |              |
| B-14-13  | Screw 3 x 6             | 2    | 007300-6-13 |              | B-17      | Washer 2-4            | 3    | 028040-2-43 |              |
| B-14-14  | Washer 2-3              | 2    | 028030-2-43 |              | B-18      | Screw 4 x 20          | 3    | 007402-0-13 |              |
| B-14-15  | Stopper                 | 1    | 152273-0-01 |              | B-19      | Bolt 4 x 10           | 2    | 018401-0-22 |              |
| B-14-16  | Nut 4                   | 2    | 021400-1-03 |              | B-20      | Washer 2-4            | 2    | 028040-2-42 |              |

B-14  
Presser Arm  
Assembly  
154131-0-01

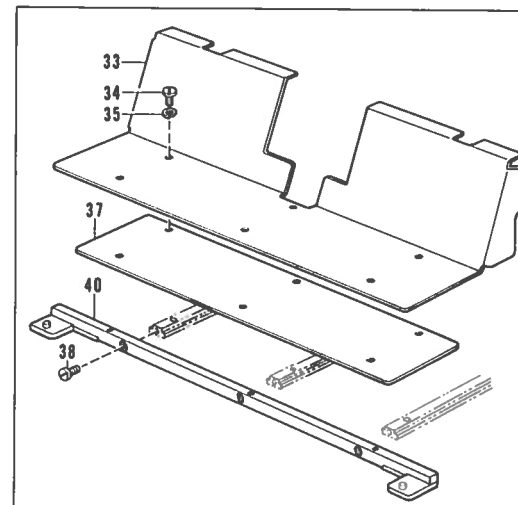
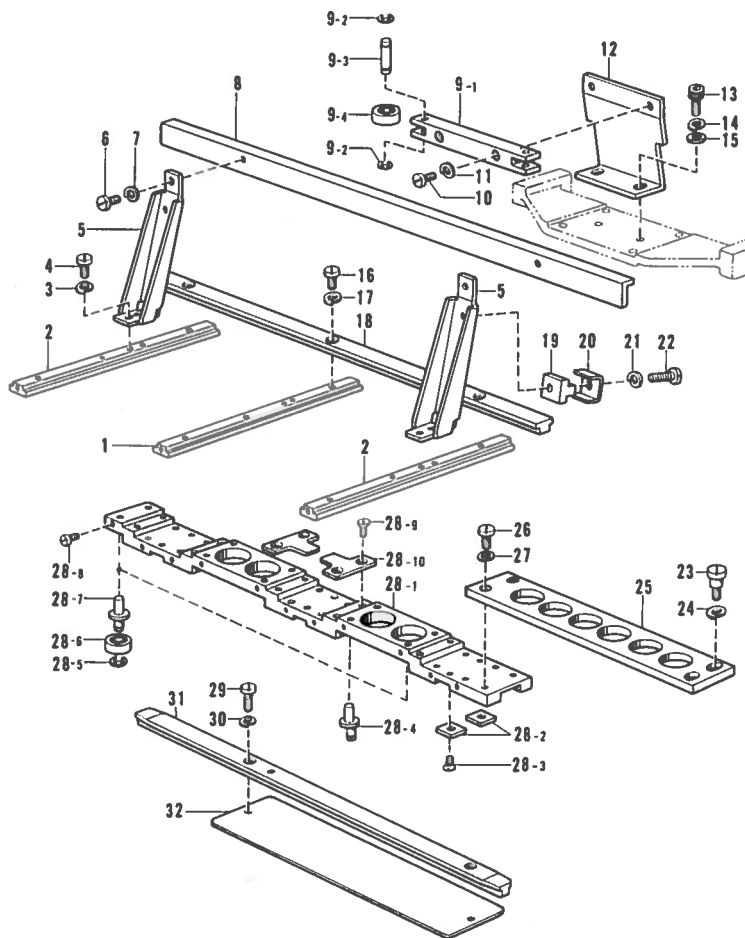
B-14-36  
Hinge Holder  
Assembly  
154132-0-01

### B. Clamp Mechanism (2) < Inner Clamp >



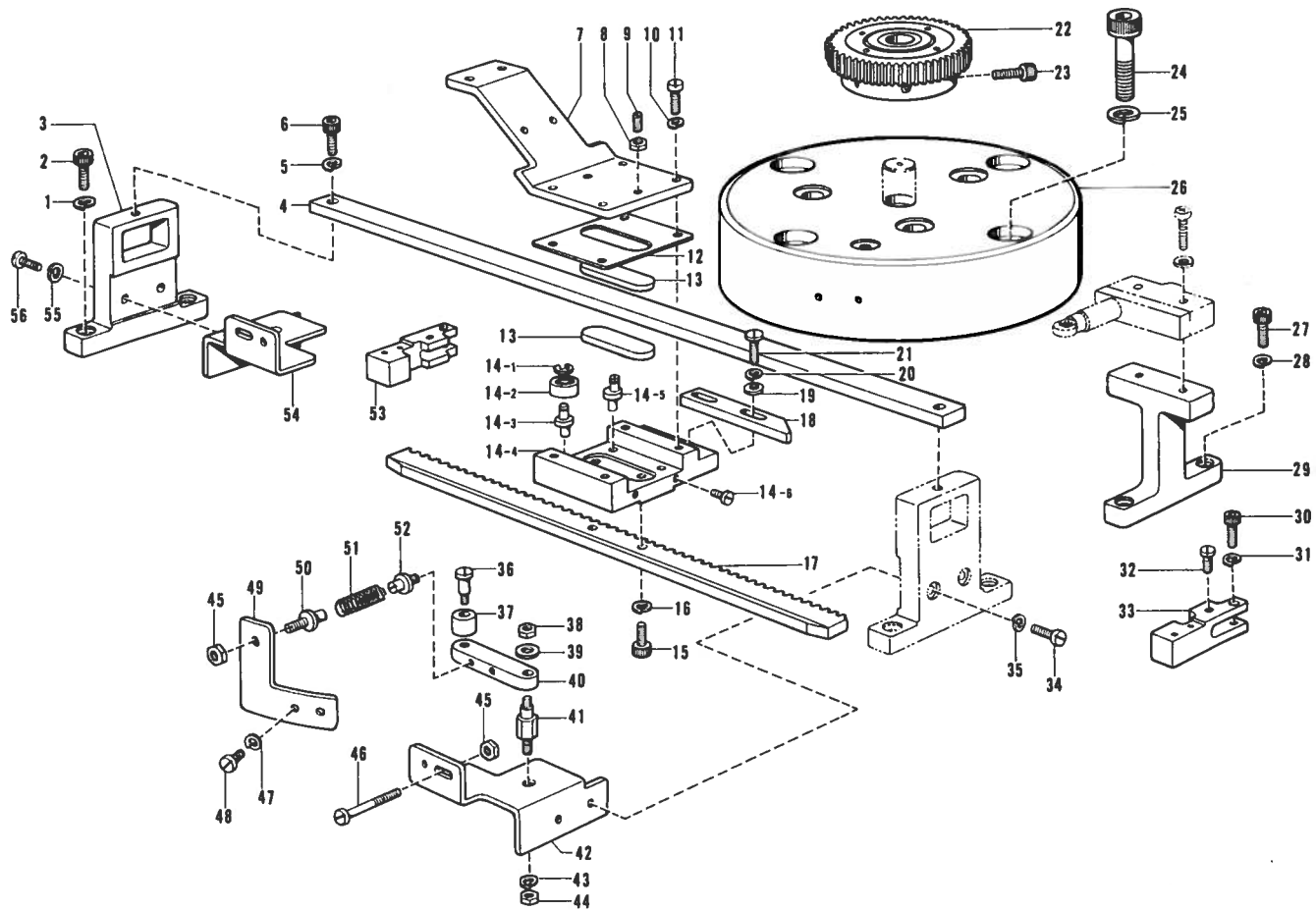
| Ref. No. | Name of Parts             | Q'ty | Parts No.   | Assembly No. | Ref. No. | Name of Parts              | Q'ty | Parts No.   | Assembly No. |
|----------|---------------------------|------|-------------|--------------|----------|----------------------------|------|-------------|--------------|
| B-21     | Feed Plate (Reverse type) | 1    |             |              | B-36     | Nut 4                      | 2    | 021400-1-03 |              |
| B-22     | Friction Plate            | 1    |             |              | B-37     | Wire Holder Lower C        | 1    | 154057-0-01 |              |
| B-23     | Friction Plate            | 1    |             |              | B-38     | Wire Holder Upper C        | 1    | 154056-0-01 |              |
| B-24     | Presser Plate             | 1    |             |              | B-39     | Washer 2-4                 | 2    | 028040-2-43 |              |
| B-25     | Presser Plate Supporter   | 1    | 154041-1-01 |              | B-40     | Screw 4 x 20               | 2    | 007402-0-13 |              |
| B-26- 1  | Screw 2.6 x 6             | 1    | 007260-6-13 |              | B-41     | Screw 3 x 4                | 2    | 007300-4-13 |              |
| B-26- 2  | Washer 2-2.6              | 1    | 028260-2-43 |              | B-42     | Washer 2-3                 | 2    | 028030-2-43 |              |
| B-26- 3  | Washer 2.6                | 1    | 025260-1-33 |              | B-43     | Positionning Left          | 1    |             |              |
| B-26- 4  | Presser Plate Holder      | 1    | 154044-1-01 |              | B-44     | Screw 3 x 4                | 4    | 007300-4-13 |              |
| B-26- 5  | Presser Crank             | 1    |             |              | B-45     | Washer 2-3                 | 4    | 028030-2-43 |              |
| B-26- 6  | Presser Crank Base        | 1    |             |              | B-46     | Positionning Set Plate     | 2    | 154062-0-01 |              |
| B-26- 7  | Pinion Gear               | 1    |             |              | B-47     | Screw 4 x 8                | 2    | 014400-8-22 |              |
| B-26- 8  | Rack Gear                 | 1    |             |              | B-48     | Nut 4                      | 2    | 001400-1-03 |              |
| B-26- 9  | Presser Crank Plate       | 1    |             |              | B-49     | Screw 4 x 7                | 2    | 007400-7-13 |              |
| B-26-10  | Washer 2-2.6              | 4    | 028260-2-42 |              | B-50     | Washer 2-4                 | 2    | 028040-2-43 |              |
| B-26-11  | Screw 2.6 x 6             | 4    | 007260-6-12 |              | B-51     | Positionning Base          | 1    | 154058-0-01 |              |
| B-26-12  | Washer                    | 1    | 154050-0-01 |              | B-52     | Positionning Lever         | 1    | 154059-0-01 |              |
| B-26-13  | Washer 2-2.6              | 1    | 028260-2-43 |              | B-53     | Positionning Lever Shaft   | 1    | 154060-0-01 |              |
| B-26-14  | Screw 2.6 x 6             | 1    | 007260-6-13 |              | B-54     | Stop Ring E3               | 2    | 048030-3-42 |              |
| B-27     | Pin                       | 1    | 154055-0-01 |              | B-55     | Screw 3 x 4                | 2    | 007300-4-13 |              |
| B-28     | Screw 3 x 20              | 1    | 007302-0-13 |              | B-56     | Washer 2-3                 | 2    | 028030-2-43 |              |
| B-29     | Nut 3                     | 1    | 021300-1-03 |              | B-57     | Positionning Holder Spring | 2    | 154061-0-01 |              |
| B-30     | Inner Clamp Holder        | 1    | 154051-0-01 |              | B-58     | Screw 3 x 4                | 2    | 007300-4-13 |              |
| B-31     | Hook B                    | 1    | 154053-0-01 |              | B-59     | Washer 2-3                 | 2    | 028030-2-43 |              |
| B-32     | Spring                    | 1    | 154054-0-01 |              | B-60     | Positionning Right         | 1    |             |              |
| B-33     | Hook A                    | 1    | 154052-0-01 |              | B-61     | Cap                        | 1    | 154066-0-00 |              |
| B-34     | Screw 4 x 8               | 2    | 007400-8-13 |              | B-62     | Positionning Setter Shaft  | 1    | 154065-0-01 |              |
| B-35     | Washer 2-4                | 2    | 028040-2-43 |              |          |                            |      |             |              |

## C. Feed Guide Mechanism



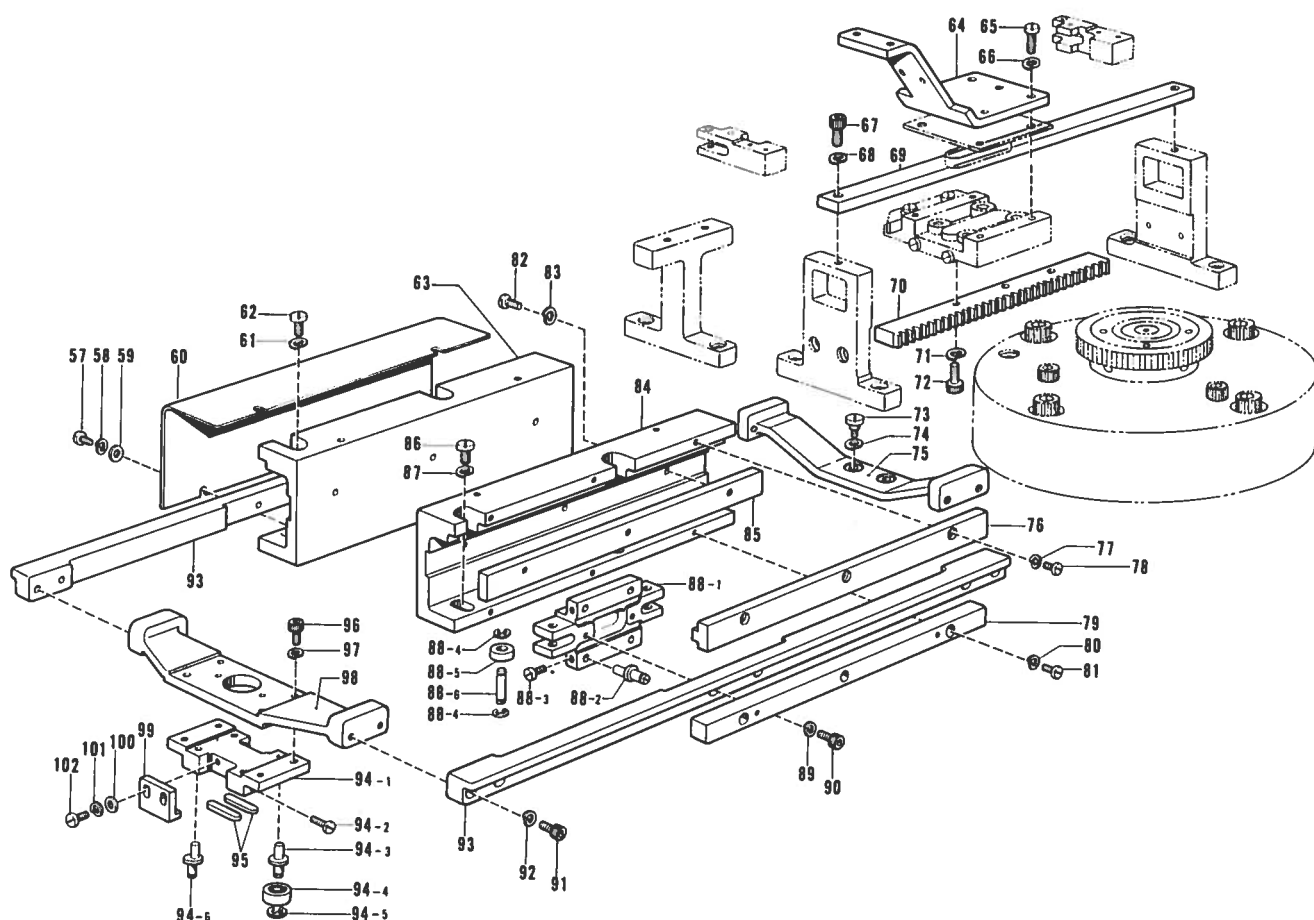
| Ref. No. | Name of Parts                 | Q'ty | Parts No.   | Assembly No. | Ref. No. | Name of Parts             | Q'ty | Parts No.   | Assembly No. |
|----------|-------------------------------|------|-------------|--------------|----------|---------------------------|------|-------------|--------------|
| C- 1     | Feed Guide Y-A                | 1    | 152338-0-01 |              | C-23     | Screw                     | 2    | 154113-0-01 |              |
| C- 2     | Feed Guide Y-B                | 2    | 152339-0-01 |              | C-24     | Washer 2-6                | 2    | 028060-2-42 |              |
| C- 3     | Washer 2-4                    | 4    | 028040-2-43 |              | C-25     | Slider Coupling Plate     | 1    | 152348-0-01 |              |
| C- 4     | Screw 4 x 8                   | 4    | 007400-8-13 |              | C-26     | Screw 4 x 8               | 2    | 007400-8-13 |              |
| C- 5     | Support Guide Holder          | 2    | 152349-1-01 |              | C-27     | Washer 2-4                | 2    | 028040-2-43 |              |
| C- 6     | Screw 4 x 8                   | 2    | 007400-8-13 |              | C-28- 1  | Slider                    | 1    |             |              |
| C- 7     | Washer 2-4                    | 2    | 028040-2-43 |              | C-28- 2  | Slider Guide B            | 6    | 152345-0-01 |              |
| C- 8     | Feed Support Guide            | 1    | 152350-1-01 |              | C-28- 3  | Screw 3 x 6               | 6    | 003300-6-04 |              |
| C- 9- 1  | Roller Shaft Holder B         | 1    |             |              | C-28- 4  | Eccentric Roller Shaft B  | 20   | 152334-0-01 |              |
| C- 9- 2  | Stop Ring E2                  | 4    | 048020-3-42 |              | C-28- 5  | Stop Ring E2              | 22   | 048020-3-42 |              |
| C- 9- 3  | Roller Shaft D                | 2    | 152353-0-01 |              | C-28- 6  | Bearing                   | 22   | 152299-0-00 |              |
| C- 9- 4  | Bearing                       | 2    | 152299-0-00 |              | C-28- 7  | Roller Shaft B            | 2    | 152333-0-01 |              |
| C-10     | Screw 4 x 10                  | 2    | 007401-0-12 |              | C-28- 8  | Screw 3 x 4               | 22   | 007300-4-12 |              |
| C-11     | Washer 2-4                    | 2    | 028040-2-42 |              | C-28- 9  | Screw 3 x 6               | 10   | 003300-6-14 |              |
| C-12     | Roller Shaft Holder Supporter | 1    | 152351-1-01 |              | C-28-10  | Slider Guide A            | 5    | 152344-0-01 |              |
| C-13     | Bolt 4 x 10                   | 2    | 018401-0-22 |              | C-29     | Screw 3.57 x 12           | 2    | 007671-2-12 |              |
| C-14     | Washer 2-4                    | 2    | 028040-2-42 |              | C-30     | Washer 2-3.5              | 2    | 028350-2-42 |              |
| C-15     | Washer 4                      | 2    | 025040-2-32 |              | C-31     | Base Plate for Feed Guide | 1    | 152346-1-01 |              |
| C-16     | Screw 4 x 8                   | 3    | 007400-8-12 |              | C-32     | Plate                     | 1    |             |              |
| C-17     | Washer 2-4                    | 3    | 028040-2-42 |              | C-33     | Feed Guide Cover A        | 1    | 152355-1-01 |              |
| C-18     | Feed Guide X                  | 1    | 152340-1-01 |              | C-34     | Screw 3 x 6               | 6    | 007300-6-13 |              |
| C-19     | Wire Holder A                 | 1    | 152643-0-01 |              | C-35     | Washer 2-3                | 6    | 028030-2-43 |              |
| C-20     | Wire Holder B                 | 1    | 152644-0-01 |              | C-37     | Plate for A               | 1    | 154023-0-00 |              |
| C-21     | Washer 2-4                    | 1    | 028040-2-42 |              | C-38     | Screw                     | 3    | 154070-0-01 |              |
| C-22     | Bolt 4 x 16                   | 1    | 018401-6-22 |              | C-40     | Front Plate A             | 1    | 152342-1-01 |              |

## D. Feed Mechanism (1)



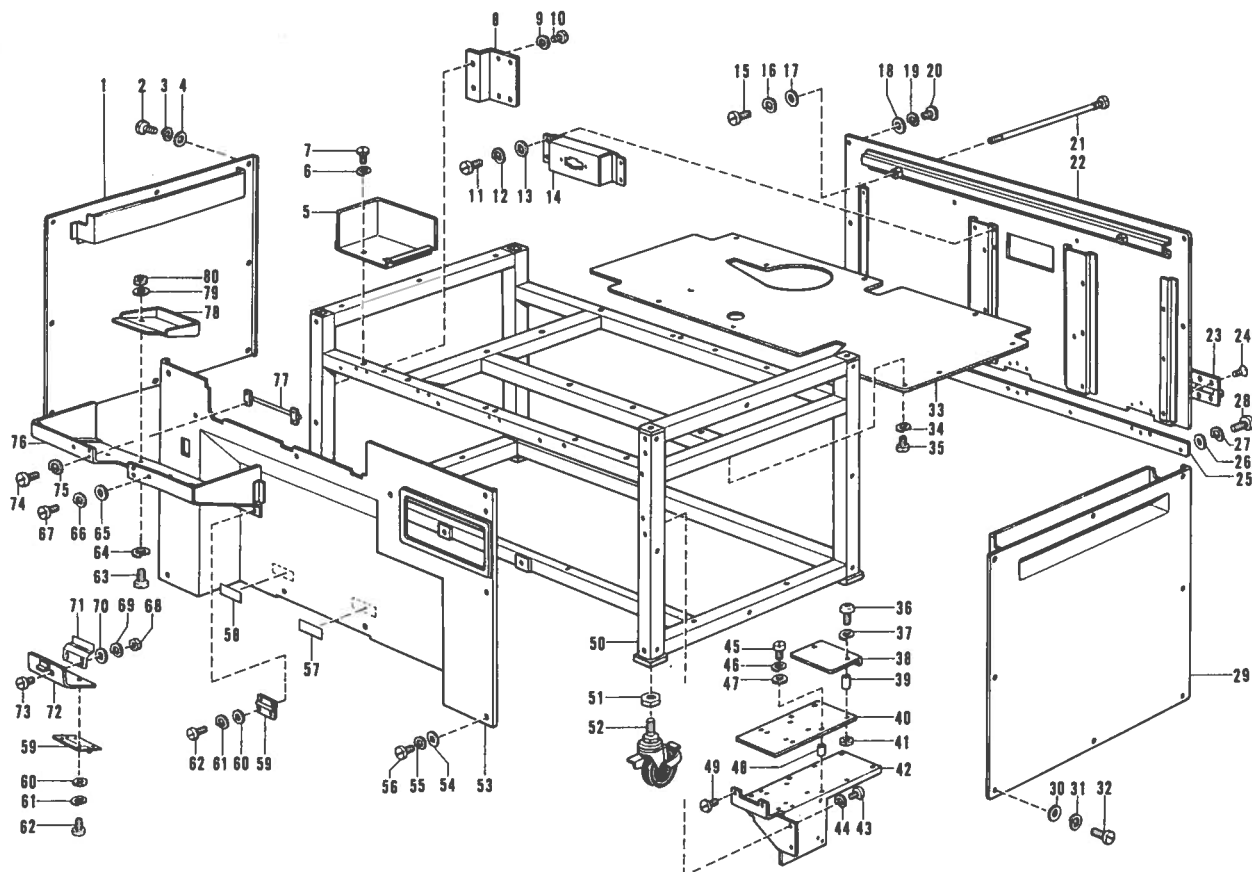
| Ref. No. | Name of Parts            | Q'ty | Parts No.   | Assembly No.                               | Ref. No. | Name of Parts              | Q'ty | Parts No.   | Assembly No. |
|----------|--------------------------|------|-------------|--------------------------------------------|----------|----------------------------|------|-------------|--------------|
| D- 1     | Washer 2-5               | 8    | 028050-2-42 |                                            | D-27     | Bolt 5 x 16                | 4    | 018501-6-22 |              |
| D- 2     | Bolt 5 x 16              | 8    | 018501-6-22 |                                            | D-28     | Washer 2-5                 | 4    | 028050-2-42 |              |
| D- 3     | Bracket Guider Base      | 4    |             |                                            | D-29     | O-Position Limit Supporter | 2    |             |              |
| D- 4     | Bracket Guider X         | 1    | 152296-0-01 |                                            | D-30     | Bolt 4 x 16                | 4    | 018401-6-22 |              |
| D- 5     | Washer 2-5               | 2    | 028050-2-42 |                                            | D-31     | Washer 2-4                 | 4    | 028040-2-42 |              |
| D- 6     | Bolt 5 x 12              | 2    | 018501-2-22 |                                            | D-32     | Screw 4 x 8                | 4    | 007400-8-12 |              |
| D- 7     | Coupling Plate X         | 1    | 152303-1-01 |                                            | D-33     | Bracket Stopper B          | 2    |             |              |
| D- 8     | Nut 4                    | 4    | 021400-1-03 |                                            | D-34     | Screw 4 x 14               | 2    | 007401-4-12 |              |
| D- 9     | Screw 4 x 8              | 4    | 014400-8-22 |                                            | D-35     | Washer 2-4                 | 2    | 028040-2-42 |              |
| D-10     | Washer 2-4               | 4    | 028040-2-43 |                                            | D-36     | Guide Roller Shaft         | 4    | 152313-0-01 |              |
| D-11     | Screw 4 x 14             | 4    | 007401-4-13 |                                            | D-37     | Guide Roller               | 4    | 152312-0-01 |              |
| D-12     | Spacer                   | 2    | 152611-0-00 |                                            | D-38     | Nut 4                      | 4    | 021400-1-03 |              |
| D-13     | Slide Plate A            | 4    | 152305-0-00 |                                            | D-39     | Washer                     | 4    | 152311-0-01 |              |
| D-14- 1  | Stop Ring E2             | 8    | 048020-3-42 |                                            | D-40     | Guide Plate                | 4    | 152310-0-01 |              |
| D-14- 2  | Bearing                  | 8    | 152299-0-00 |                                            | D-41     | Guide Shaft                | 4    | 152309-0-01 |              |
| D-14- 3  | Roller Shaft A           | 4    | 152300-0-01 | D-14<br>Bracket<br>Assembly<br>152652-0-01 | D-42     | Spring Guide Plate R       | 1    |             |              |
| D-14- 4  | Bracket                  | 2    |             |                                            | D-43     | Washer 2-6                 | 2    | 028060-2-42 |              |
| D-14- 5  | Eccentric Roller Shaft A | 4    | 152301-0-01 |                                            | D-44     | Nut 6                      | 2    | 021060-1-02 |              |
| D-14- 6  | Screw 3 x 8              | 8    | 007300-8-03 |                                            | D-45     | Nut 4                      | 6    | 021400-1-03 |              |
| D-15     | Bolt 5 x 12              | 2    | 018501-2-22 |                                            | D-46     | Screw 4 x 35               | 2    | 007403-5-12 |              |
| D-16     | Washer 2-5               | 2    | 028050-2-42 |                                            | D-47     | Washer 2-4                 | 4    | 028040-2-42 |              |
| D-17     | Rack Gear X              | 1    | 152307-0-00 |                                            | D-48     | Screw 4 x 10               | 4    | 007401-0-12 |              |
| D-18     | O-Position Dog           | 2    | 152302-0-01 |                                            | D-49     | Spring Guide Plate M       | 2    |             |              |
| D-19     | Washer 4                 | 4    | 025040-2-32 |                                            | D-50     | Spring Guider A            | 4    | 152314-0-01 |              |
| D-20     | Washer 2-4               | 4    | 028040-2-42 |                                            | D-51     | Spring                     | 4    | 152316-0-01 |              |
| D-21     | Screw 4 x 14             | 4    | 007401-4-12 |                                            | D-52     | Spring Guider B            | 4    | 152315-0-01 |              |
| D-22     | Driving Gear Assembly    | 2    | 154094-0-01 |                                            | D-53     | Bracket Stopper A          | 2    |             |              |
| D-23     | Bolt 5 x 16              | 4    | 018501-6-22 |                                            | D-54     | Spring Guide Plate L       | 1    |             |              |
| D-24     | Bolt 10 x 50             | 8    | 018105-0-22 |                                            | D-55     | Washer 2-4                 | 2    | 028040-2-42 |              |
| D-25     | Washer 2-10              | 8    | 028100-2-42 |                                            | D-56     | Screw 4 x 14               | 2    | 007401-4-12 |              |
| D-26     | Motor Bracket            | 2    | 152291-1-01 |                                            |          |                            |      |             |              |

## D. Feed Mechanism (2)



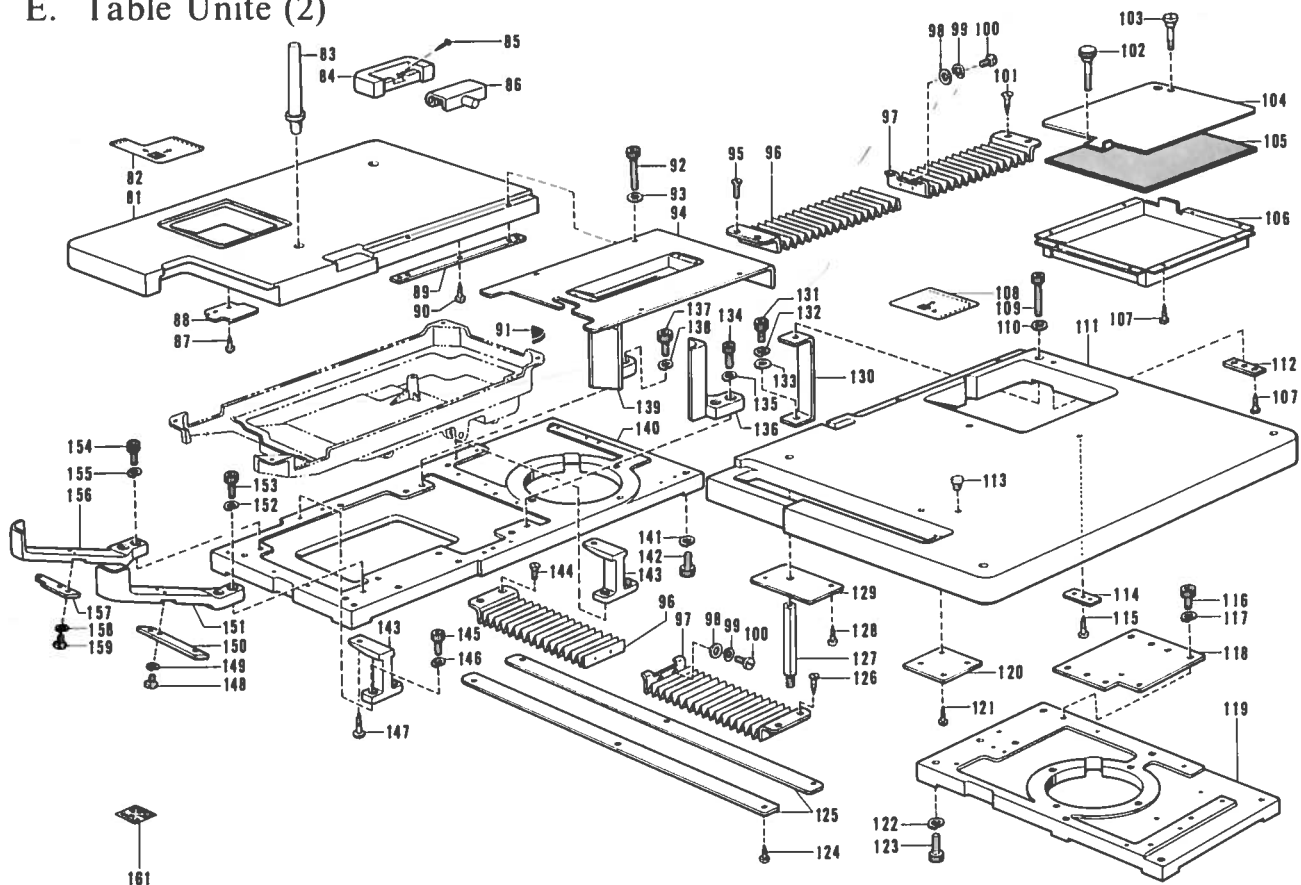
| Ref. No. | Name of Parts         | Q'ty | Parts No.   | Assembly No. | Ref. No. | Name of Parts                   | Q'ty | Parts No.   | Assembly No.                                           |
|----------|-----------------------|------|-------------|--------------|----------|---------------------------------|------|-------------|--------------------------------------------------------|
| D-57     | Screw 3 x 6           | 8    | 007300-6-12 |              | D-85     | Roller Guide Side               | 2    |             |                                                        |
| D-58     | Washer 2-3            | 8    | 028030-2-42 |              | D-86     | Screw 4.37 x 10                 | 2    | 009681-0-12 |                                                        |
| D-59     | Washer 3              | 8    | 025030-2-32 |              | D-87     | Washer 2-4.37                   | 2    | 028680-2-42 |                                                        |
| D-60     | Cover                 | 2    |             |              | D-88-1   | Roller Shaft Holder A           | 2    |             |                                                        |
| D-61     | Washer 2-4.37         | 2    | 028680-2-42 |              | D-88-2   | Eccentric Roller Shaft C        | 8    | 152326-0-01 | D-88<br>Roller Shaft<br>Hold A Assembly<br>154008-0-01 |
| D-62     | Screw 4.37 x 10       | 2    | 009681-0-12 |              | D-88-3   | Screw 3 x 6                     | 8    | 007300-6-12 |                                                        |
| D-63     | Roller Guide Base (L) | 1    |             |              | D-88-4   | Stop Ring E4                    | 16   | 048040-3-42 |                                                        |
| D-64     | Coupling Plate Y      | 1    | 152304-1-01 |              | D-88-5   | Bearing                         | 12   | 152327-0-00 |                                                        |
| D-65     | Screw 4 x 14          | 4    | 007401-4-13 |              | D-88-6   | Roller Shaft C                  | 4    | 152642-0-01 |                                                        |
| D-66     | Washer 2-4            | 4    | 028040-2-43 |              | D-89     | Washer 2-4                      | 4    | 028040-2-42 |                                                        |
| D-67     | Bolt 5 x 12           | 2    | 018501-2-22 |              | D-90     | Bolt 4 x 12                     | 4    | 018401-2-22 |                                                        |
| D-68     | Washer 2-5            | 2    | 028050-2-42 |              | D-91     | Bolt 4 x 12                     | 8    | 018401-2-22 |                                                        |
| D-69     | Bracket Guider Y      | 1    | 152297-0-01 |              | D-92     | Washer 2-4                      | 8    | 028040-2-42 |                                                        |
| D-70     | Rack Gear Y           | 1    | 152308-1-00 |              | D-93     | Feed Coupling Plate             | 2    |             |                                                        |
| D-71     | Washer 2-5            | 2    | 028050-2-42 |              | D-94-1   | Feed Guide Base                 | 1    |             |                                                        |
| D-72     | Bolt 5 x 12           | 2    | 018501-2-22 |              | D-94-2   | Screw 3 x 8                     | 4    | 007300-8-03 | D-94<br>Feed Guide<br>Base Assembly<br>152673-0-01     |
| D-73     | Screw                 | 2    | 154113-0-01 |              | D-94-3   | Roller Shaft B                  | 2    | 152333-0-01 |                                                        |
| D-74     | Washer 2-6            | 2    | 028060-2-42 |              | D-94-4   | Bearing                         | 4    | 152299-0-00 |                                                        |
| D-75     | Guide Base Holder (R) | 1    |             |              | D-94-5   | Stop Ring E2                    | 4    | 048020-3-42 |                                                        |
| D-76     | Roller Guide Upper    | 2    |             |              | D-94-6   | Eccentric Roller Shaft B        | 2    | 152334-0-01 |                                                        |
| D-77     | Washer 2-3            | 6    | 028030-2-42 |              | D-95     | Slide Plate B                   | 2    | 152335-0-00 |                                                        |
| D-78     | Screw 3 x 10          | 6    | 007301-0-12 |              | D-96     | Bolt 4 x 10                     | 4    | 018401-0-22 |                                                        |
| D-79     | Roller Guide Lower    | 2    |             |              | D-97     | Washer 2-4                      | 4    | 028040-2-42 |                                                        |
| D-80     | Washer 2-3            | 6    | 028030-2-42 |              | D-98     | Guide Base Holder (F)           | 1    |             |                                                        |
| D-81     | Screw 3 x 10          | 6    | 007301-0-12 |              | D-99     | Guide Plate for Feed Guide Base | 2    | 152336-0-01 |                                                        |
| D-82     | Screw 3 x 10          | 6    | 007301-0-12 |              | D-100    | Washer 3                        | 4    | 025030-2-32 |                                                        |
| D-83     | Washer 2-3            | 6    | 028030-2-42 |              | D-101    | Washer 2-3                      | 4    | 028030-2-42 |                                                        |
| D-84     | Roller Guide Base (R) | 1    |             |              | D-102    | Screw 3 x 10                    | 4    | 007301-0-12 |                                                        |

## E. Table Unite (1)



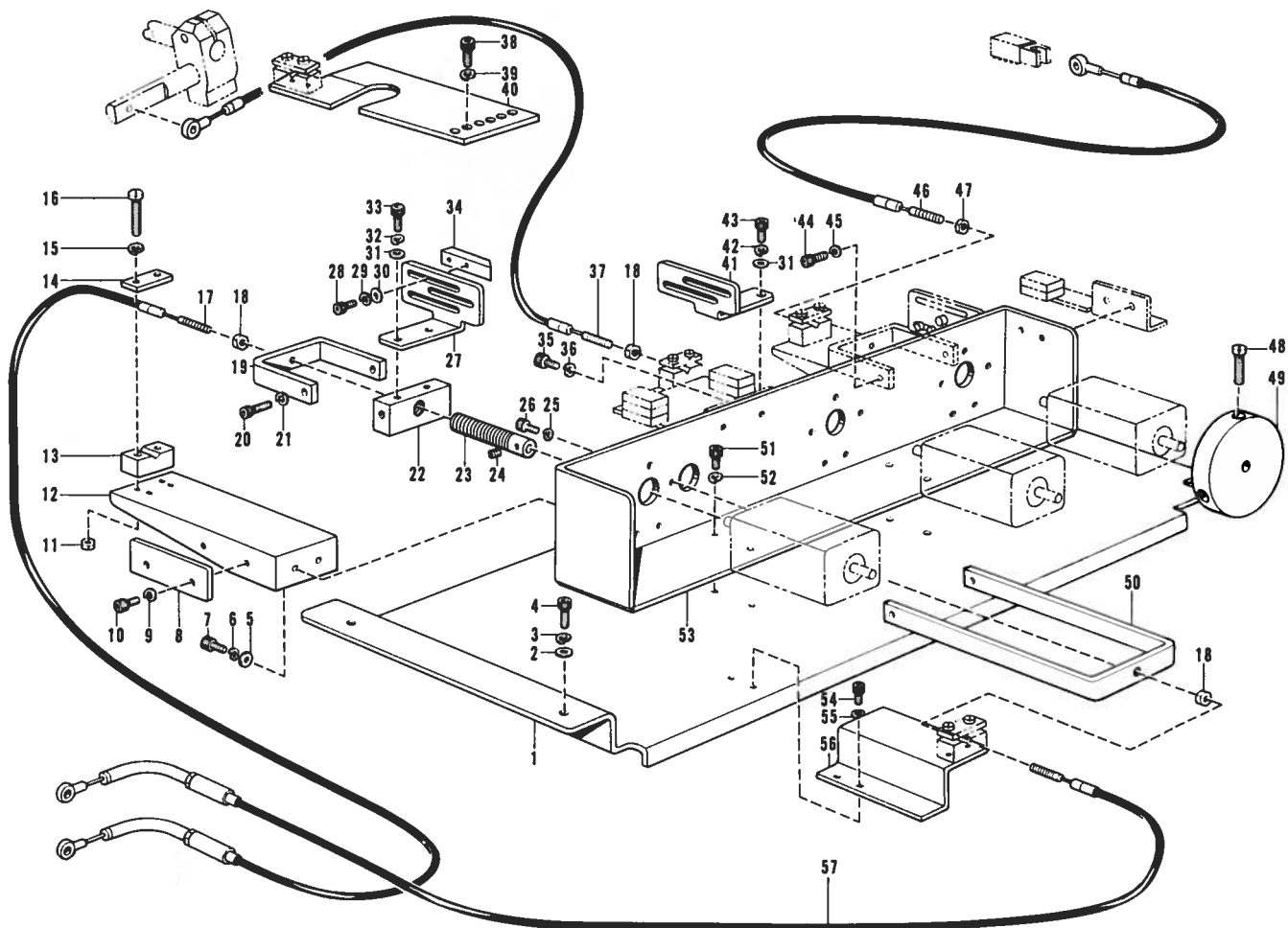
| Ref. No. | Name of Parts             | Q'ty | Parts No.   | Assembly No. | Ref. No. | Name of Parts            | Q'ty | Parts No.   | Assembly No. |
|----------|---------------------------|------|-------------|--------------|----------|--------------------------|------|-------------|--------------|
| E-1      | Side Cover Left           | 1    |             |              | E-41     | Nut 3                    | 2    | 021300-1-03 |              |
| E-2      | Screw 4 x 8               | 8    | 007400-8-13 |              | E-42     | Card Reader Setting Base | 1    |             |              |
| E-3      | Washer 2-4                | 8    | 028040-2-43 |              | E-43     | Screw 4 x 10             | 2    | 002401-0-03 |              |
| E-4      | Washer 4                  | 8    | 025040-2-33 |              | E-44     | Washer 2-4               | 2    | 028040-2-43 |              |
| E-5      | Table Cover               | 1    |             |              | E-45     | Screw 3 x 20             | 4    | 007302-0-13 |              |
| E-6      | Washer 2-4                | 2    | 028040-2-42 |              | E-46     | Washer 2-3               | 4    | 028030-2-43 |              |
| E-7      | Screw 4 x 8               | 2    | 007400-8-12 |              | E-47     | Washer 3                 | 4    | 025030-2-33 |              |
| E-8      | Switch Setting Board      | 1    |             |              | E-48     | Spacer A                 | 4    | 152544-0-00 |              |
| E-9      | Washer 2-4                | 2    | 028040-2-42 |              | E-49     | Screw 3 x 6              | 2    | 007300-6-12 |              |
| E-10     | Screw 4 x 10              | 2    | 007401-0-12 |              | E-50     | Stand                    | 1    |             |              |
| E-11     | Screw 4 x 6               | 4    | 007400-6-13 |              | E-51     | Nut 16                   | 4    | 021160-3-03 |              |
| E-12     | Washer 2-4                | 4    | 028040-2-43 |              | E-52     | Caster                   | 4    | 152393-0-00 |              |
| E-13     | Washer 4                  | 4    | 025040-2-33 |              | E-53     | Front Cover              | 1    |             |              |
| E-14     | Connector Setting Plate   | 1    |             |              | E-54     | Washer 4                 | 10   | 025040-2-33 |              |
| E-15     | Screw 4 x 10              | 2    | 007401-0-12 |              | E-55     | Washer 2-4               | 10   | 028040-2-43 |              |
| E-16     | Washer 2-4                | 2    | 028040-2-42 |              | E-56     | Screw 4 x 8              | 10   | 007400-8-13 |              |
| E-17     | Washer                    | 2    | 152584-0-01 |              | E-57     | Label                    | 1    |             |              |
| E-18     | Washer 4                  | 6    | 025040-2-33 |              | E-58     | Label                    | 1    |             |              |
| E-19     | Washer 2-4                | 6    | 028040-2-43 |              | E-59     | Hook Cover Hinge         | 4    | 152423-0-00 |              |
| E-20     | Screw 4 x 8               | 6    | 007400-8-13 |              | E-60     | Washer 3                 | 16   | 025030-2-33 |              |
| E-21     | Screw                     | 2    | 152418-0-01 |              | E-61     | Washer 2-3               | 16   | 028030-2-43 |              |
| E-22     | Rear Cover Assembly       | 1    |             |              | E-62     | Screw 3 x 6              | 16   | 007300-6-13 |              |
| E-23     | Hinge                     | 3    | 152575-0-00 |              | E-63     | Screw 3 x 8              | 2    | 007300-8-03 |              |
| E-24     | Screw 4 x 8               | 18   | 003400-8-04 |              | E-64     | Washer 2-3               | 2    | 028030-2-43 |              |
| E-25     | Rear Cover Plate          | 1    |             |              | E-65     | Washer 4                 | 4    | 025040-2-33 |              |
| E-26     | Washer 4                  | 4    | 025040-2-33 |              | E-66     | Washer 2-4               | 4    | 028040-2-43 |              |
| E-27     | Washer 2-4                | 4    | 028040-2-43 |              | E-67     | Screw 4 x 8              | 4    | 007400-8-13 |              |
| E-28     | Screw 4 x 8               | 4    | 007400-8-13 |              | E-68     | Nut 3                    | 2    | 021300-1-03 |              |
| E-29     | Side Cover Right          | 1    |             |              | E-69     | Washer 2-3               | 2    | 028030-2-43 |              |
| E-30     | Washer 4                  | 8    | 025040-2-33 |              | E-70     | Washer 3                 | 2    | 025030-2-33 |              |
| E-31     | Washer 2-4                | 8    | 028040-2-43 |              | E-71     | Plate Spring             | 1    |             |              |
| E-32     | Screw 4 x 8               | 8    | 007400-8-13 |              | E-72     | Rotary Hook Cover        | 1    |             |              |
| E-33     | Cover                     | 11   |             |              | E-73     | Screw 3 x 8              | 2    | 007300-8-03 |              |
| E-34     | Washer 2-4                | 11   | 028040-2-42 |              | E-74     | Screw 4 x 6              | 4    | 007400-6-13 |              |
| E-35     | Screw 4 x 10              | 11   | 007401-0-12 |              | E-75     | Washer 2-4               | 4    | 028040-2-43 |              |
| E-36     | Screw 3 x 30              | 2    | 002303-0-06 |              | E-76     | Rotary Hook Cover        | 1    |             |              |
| E-37     | Washer 2-3                | 2    | 028030-2-43 |              | E-77     | Cover Stopper            | 1    |             |              |
| E-38     | Card Reader Plate         | 1    |             |              | E-78     | Oil Receiver             | 1    |             |              |
| E-39     | Spacer                    | 2    | 154034-0-00 |              | E-79     | Washer 3                 | 2    | 025030-2-33 |              |
| E-40     | Card Reader Setting Plate | 1    | 154097-0-00 |              | E-80     | Nut 3                    | 2    | 021300-1-03 |              |

## E. Table Unite (2)



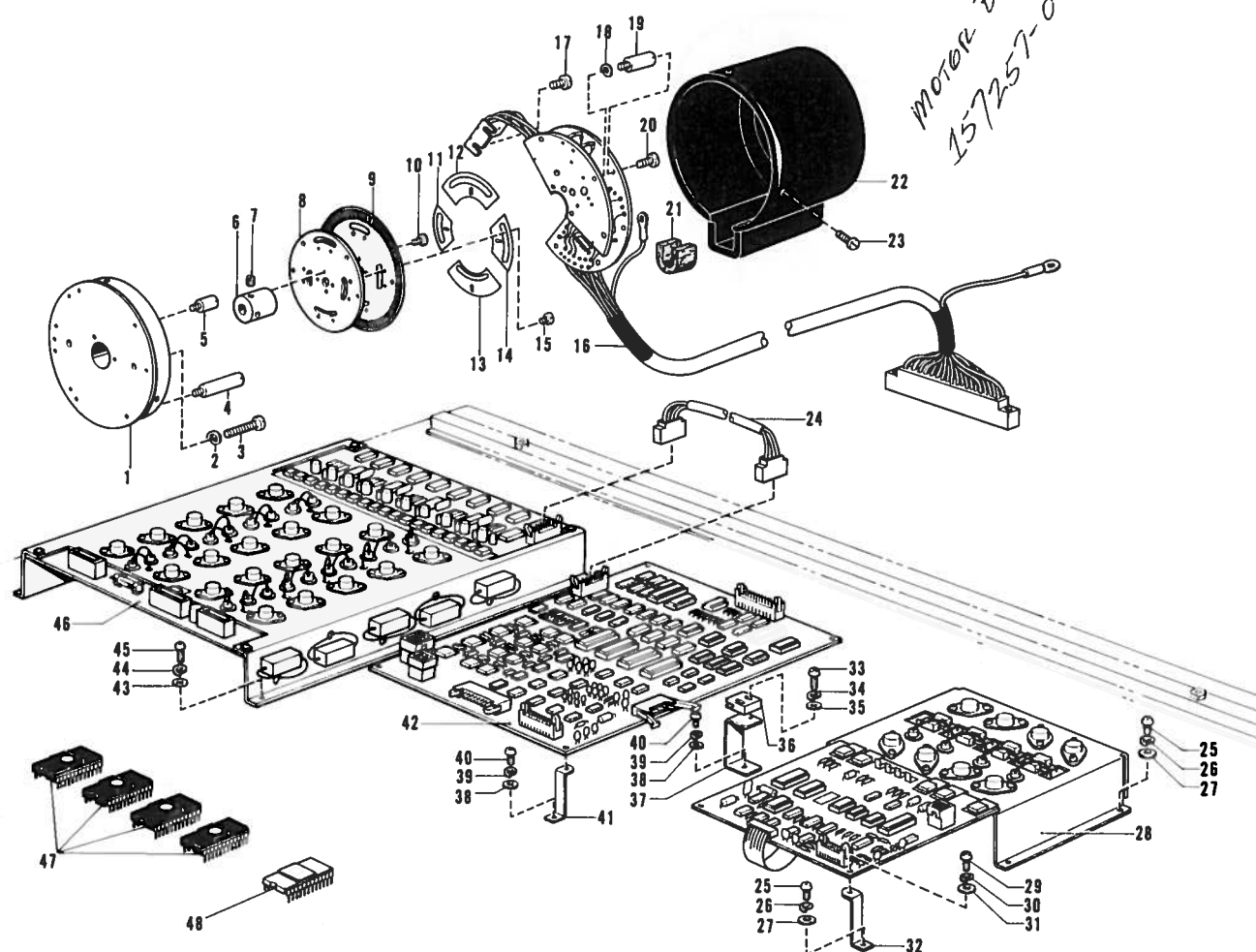
| Ref. No. | Name of Parts              | Q'ty | Parts No.   | Assembly No. | Ref. No. | Name of Parts                 | Q'ty | Parts No.   | Assembly No. |
|----------|----------------------------|------|-------------|--------------|----------|-------------------------------|------|-------------|--------------|
| E- 81    | Table Left                 | 1    |             |              | E-122    | Washer 2-10                   | 6    | 028100-2-42 |              |
| E- 82    | Label Left                 | 1    |             |              | E-123    | Bolt 10 x 20                  | 6    | 018102-0-22 |              |
| E- 83    | Head Rest                  | 1    | 154004-0-01 |              | E-124    | Screw 3.1 x 13                | 6    | 031311-3-02 |              |
| E- 84    | Rubber Hinge               | 1    | 143910-0-01 |              | E-125    | Bellow Plate                  | 2    |             |              |
| E- 85    | Nail                       | 2    | 109714-0-00 |              | E-126    | Screw 3.1 x 13                | 2    | 033311-3-02 |              |
| E- 86    | Head Hinge                 | 1    | 143882-0-01 |              | E-127    | Table Supporting Bar          | 1    |             |              |
| E- 87    | Screw 3.1 x 13             | 2    | 031311-3-02 |              | E-128    | Screw 3.1 x 13                | 2    | 031311-3-02 |              |
| E- 88    | Table Left Cover           | 1    |             |              | E-129    | Plate                         | 1    |             |              |
| E- 89    | Table (C) Supporting Plate | 2    |             |              | E-130    | Table Supporting Plate        | 1    |             |              |
| E- 90    | Screw 3.1 x 13             | 6    | 031311-3-02 |              | E-131    | Bolt 5 x 12                   | 1    | 018501-2-22 |              |
| E- 91    | Cushion                    | 4    |             |              | E-132    | Washer 2-5                    | 1    | 028050-2-42 |              |
| E- 92    | Bolt 4 x 45                | 4    | 018404-5-22 |              | E-133    | Washer 5                      | 1    | 025050-2-32 |              |
| E- 93    | Washer 4                   | 4    | 025040-2-32 |              | E-134    | Bolt 10 x 30                  | 2    | 018103-0-22 |              |
| E- 94    | Table Center               | 1    |             |              | E-135    | Washer 2-10                   | 2    | 028100-2-42 |              |
| E- 95    | Screw 3 x 8                | 2    | 003300-8-12 |              | E-136    | Arm bed Supporter BR          | 1    |             |              |
| E- 96    | Bellow B                   | 2    | 152581-0-01 |              | E-137    | Bolt 10 x 30                  | 2    | 018103-0-22 |              |
| E- 97    | Bellow A                   | 2    | 152580-0-01 |              | E-138    | Washer 2-10                   | 2    | 028100-2-42 |              |
| E- 98    | Washer 3                   | 4    | 025030-2-32 |              | E-139    | Arm bed Supporter BL          | 1    |             |              |
| E- 99    | Washer 2-3                 | 4    | 028030-2-42 |              | E-140    | Base B                        | 1    |             |              |
| E-100    | Screw 3 x 12               | 4    | 007301-2-12 |              | E-141    | Washer 2-10                   | 6    | 028100-2-42 |              |
| E-101    | Screw 3.1 x 13             | 2    | 003300-8-12 |              | E-142    | Bolt 10 x 20                  | 6    | 018102-0-22 |              |
| E-102    | Screw                      | 1    | 152590-0-01 |              | E-143    | Table Holder                  | 2    |             |              |
| E-103    | Table Hinge                | 1    | 152589-0-01 |              | E-144    | Screw 3 x 8                   | 2    | 033311-3-02 |              |
| E-104    | Keeping Box Cover          | 1    |             |              | E-145    | Bolt 5 x 16                   | 4    | 018501-6-22 |              |
| E-105    | Keeping Box Cushion        | 1    |             |              | E-146    | Washer 2-5                    | 4    | 028050-2-42 |              |
| E-106    | Keeping Box                | 1    |             |              | E-147    | Screw 4.5 x 25                | 5    | 031452-5-02 |              |
| E-107    | Screw 3.1 x 13             | 12   | 031311-3-02 |              | E-148    | Screw 4 x 10                  | 2    | 007401-0-12 |              |
| E-108    | Label Right                | 1    |             |              | E-149    | Washer 2-4                    | 2    | 028040-2-42 |              |
| E-109    | Bolt 4 x 45                | 4    | 018404-5-22 |              | E-150    | Hook Cover Supporting Plate B | 1    |             |              |
| E-110    | Washer 4                   | 4    | 025040-2-32 |              | E-151    | Arm bed Supporter FR          | 1    |             |              |
| E-111    | Table Right                | 1    |             |              | E-152    | Washer 2-10                   | 2    | 028100-2-42 |              |
| E-112    | Stopper Fixing Plate       | 2    |             |              | E-153    | Bolt 10 x 30                  | 2    | 018103-0-22 |              |
| E-113    | Oil Cap                    | 3    | 111865-0-01 |              | E-154    | Bolt 10 x 30                  | 2    | 018103-0-22 |              |
| E-114    | Stopper Fixing Plate       | 1    |             |              | E-155    | Washer 2-10                   | 2    | 028100-2-42 |              |
| E-115    | Screw 3.1 x 13             | 2    | 031311-3-02 |              | E-156    | Arm bed Supporter FL          | 1    |             |              |
| E-116    | Bolt 10 x 20               | 4    | 018102-0-22 |              | E-157    | Hook Cover Supporting Plate A | 1    |             |              |
| E-117    | Washer 2-10                | 4    | 028100-2-42 |              | E-158    | Washer 2-4                    | 2    | 028040-2-42 |              |
| E-118    | Base Coupling Plate        | 1    |             |              | E-159    | Screw 4 x 10                  | 2    | 007401-0-12 |              |
| E-119    | Base A                     | 1    |             |              | E-161    | Encoder Label                 | 1    |             |              |
| E-120    | Hinge Fixing Plate         | 1    |             |              |          |                               |      |             |              |
| E-121    | Screw 3.1 x 13             | 2    | 031311-3-02 |              |          |                               |      |             |              |

## F. Actuator Mechanism



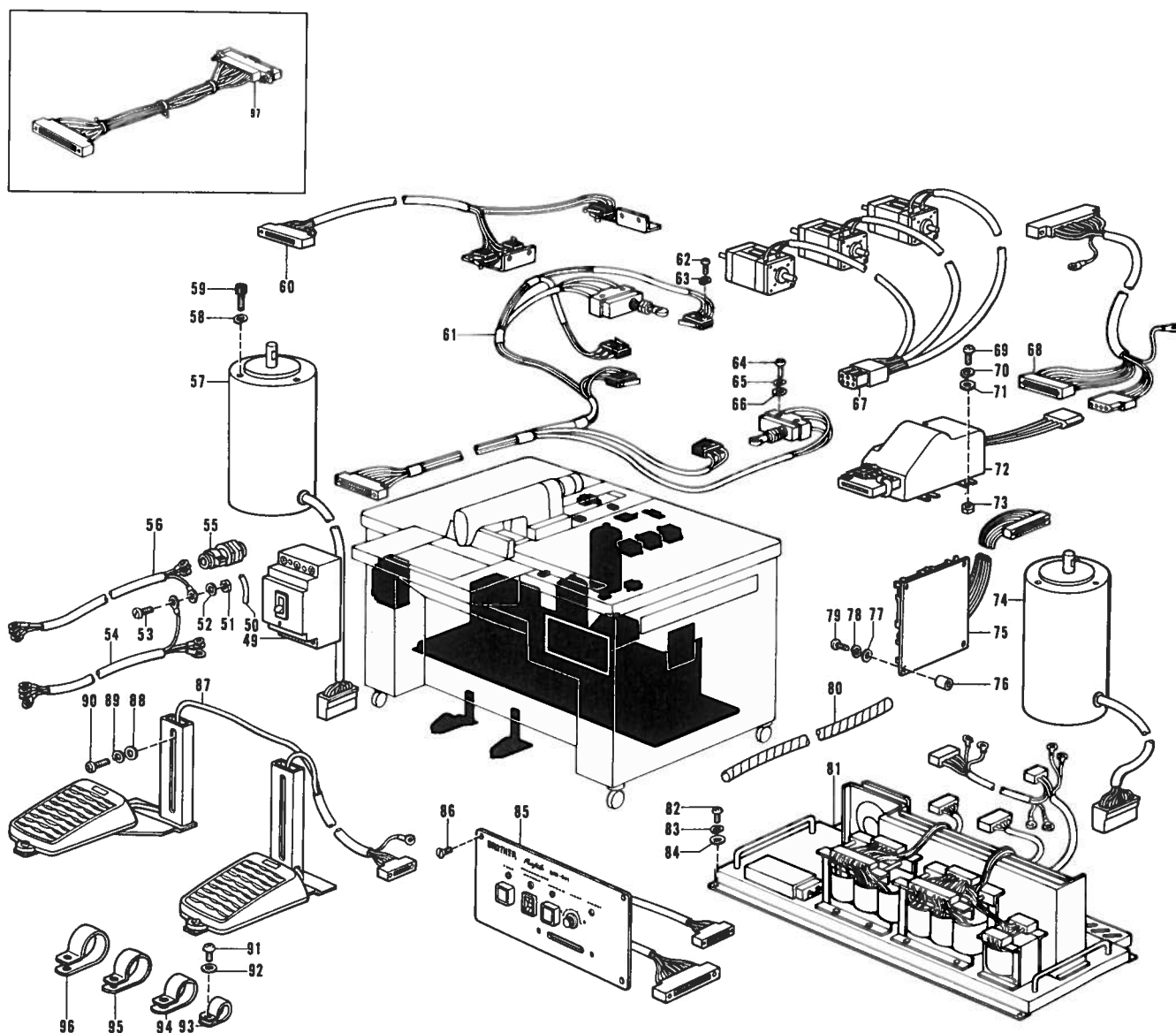
| Ref. No. | Name of Parts          | Q'ty | Parts No.   | Assembly No. | Ref. No. | Name of Parts          | Q'ty | Parts No.   | Assembly No. |
|----------|------------------------|------|-------------|--------------|----------|------------------------|------|-------------|--------------|
| F- 1     | Actuator Base          | 1    |             |              | F-30     | Washer 3               | 12   | 025030-2-32 |              |
| F- 2     | Washer 5               | 4    | 025050-2-32 |              | F-31     | Washer 4               | 6    | 025040-2-32 |              |
| F- 3     | Washer 2-5             | 4    | 028050-2-42 |              | F-32     | Washer 2-4             | 4    | 028040-2-42 |              |
| F- 4     | Bolt 5 x 12            | 4    | 018501-2-22 |              | F-33     | Bolt 4 x 10            | 4    | 018401-0-22 |              |
| F- 5     | Washer 4               | 6    | 025040-2-32 |              | F-34     | Dog                    | 6    | 152375-0-01 |              |
| F- 6     | Washer 2-4             | 6    | 028040-2-42 |              | F-35     | Bolt 4 x 8             | 4    | 018400-8-22 |              |
| F- 7     | Bolt 4 x 8             | 6    | 018400-8-22 |              | F-36     | Washer 2-4             | 4    | 028040-2-42 |              |
| F- 8     | Block Guide Plate      | 3    |             |              | F-37     | Wire C                 | 1    | 152380-0-01 |              |
| F- 9     | Washer 2-4             | 6    | 028040-2-42 |              | F-38     | Bolt 5 x 12            | 2    | 018501-2-22 |              |
| F-10     | Bolt 4 x 8             | 6    | 018400-8-22 |              | F-39     | Washer 2-5             | 2    | 028050-2-42 |              |
| F-11     | Nut 4                  | 10   | 021400-1-03 |              | F-40     | Wire Holder Plate      | 1    |             |              |
| F-12     | Block Guide Base       | 3    |             |              | F-41     | Dog Supporting Plate B | 1    | 152374-0-01 |              |
| F-13     | Wire Holder Lower B    | 5    | 152382-1-01 |              | F-42     | Washer 2-4             | 2    | 028040-2-42 |              |
| F-14     | Wire Holder Upper B    | 5    | 152381-1-01 |              | F-43     | Bolt 4 x 10            | 2    | 018401-0-22 |              |
| F-15     | Washer 2-4             | 10   | 028040-2-42 |              | F-44     | Bolt 4 x 12            | 4    | 018401-2-22 |              |
| F-16     | Screw 4 x 25           | 10   | 007402-5-12 |              | F-45     | Washer 2-4             | 4    | 028040-2-42 |              |
| F-17     | Wire A                 | 1    | 152378-0-01 |              | F-46     | Wire D                 | 1    | 154067-0-01 |              |
| F-18     | Nut 4                  | 3    | 021400-1-03 |              | F-47     | Nut 4                  | 1    | 021400-1-03 |              |
| F-19     | Wire Driving Plate A   | 3    | 152371-0-01 |              | F-48     | Screw 3 x 20           | 2    | 007302-0-13 |              |
| F-20     | Bolt 4 x 16            | 2    | 018401-6-22 |              | F-49     | Pulley                 | 1    | 154090-0-01 |              |
| F-21     | Washer 2-4             | 2    | 028040-2-42 |              | F-50     | Wire Driving Plate B   | 1    | 152372-0-01 |              |
| F-22     | Wire Driving Block     | 3    | 152370-0-00 |              | F-51     | Bolt 4 x 8             | 4    | 018400-8-22 |              |
| F-23     | Screw                  | 3    | 152369-0-01 |              | F-52     | Washer 2-4             | 4    | 028040-2-42 |              |
| F-24     | Screw 4 x 5            | 6    | 014400-5-22 |              | F-53     | Motor Supporter        | 1    |             |              |
| F-25     | Washer 2-3             | 9    | 028030-2-42 |              | F-54     | Bolt 4 x 8             | 2    | 018400-8-22 |              |
| F-26     | Bolt 3 x 8             | 9    | 018300-8-22 |              | F-55     | Washer 2-4             | 2    | 028040-2-42 |              |
| F-27     | Dog Supporting Plate A | 2    | 154124-0-01 |              | F-56     | Wire Holder Base       | 1    |             |              |
| F-28     | Bolt 3 x 8             | 12   | 018300-8-22 |              | F-57     | Wire B                 | 1    | 152379-0-01 |              |
| F-29     | Washer 2-3             | 12   | 028030-2-42 |              |          |                        |      |             |              |

## G. Power Supply Equipment Mechanism (I)



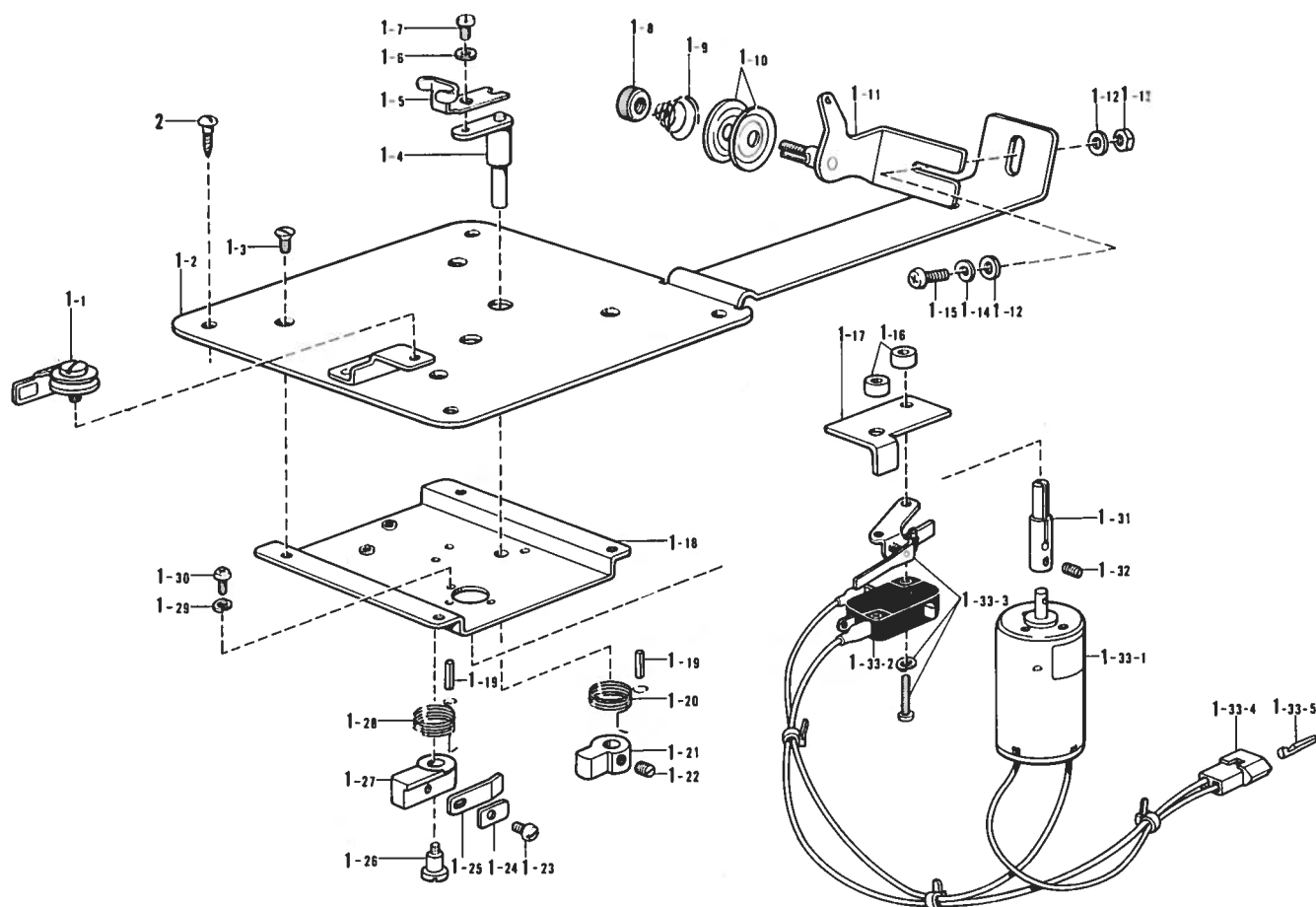
| Ref. No. | Name of Parts          | Q'ty | Parts No.   | Assembly No. | Ref. No. | Name of Parts             | Q'ty | Parts No.   | Assembly No. |
|----------|------------------------|------|-------------|--------------|----------|---------------------------|------|-------------|--------------|
| G- 1     | Encoder Setting Base   | 1    | 152487-1-01 |              | G-25     | Screw 4 x 10              | 6    | 002401-0-03 |              |
| G- 2     | Washer 2-4             | 2    | 028040-2-43 |              | G-26     | Washer 2-4                | 6    | 028040-2-43 |              |
| G- 3     | Screw 4-20             | 2    | 007402-0-13 |              | G-27     | Washer 4                  | 6    | 025040-2-33 |              |
| G- 4     | Set Shaft C            | 2    | 152498-0-01 |              | G-28     | DD Circuit Board          | 1    | 152463-1-01 |              |
| G- 5     | Set Shaft B            | 5    | 152497-0-01 |              | G-29     | Screw 3 x 12              | 2    | 002301-2-03 |              |
| G- 6     | Encoder Shaft          | 1    | 152488-0-01 |              | G-30     | Washer 2-3                | 2    | 028030-2-43 |              |
| G- 7     | Screw 3 x 5            | 2    | 014300-5-22 |              | G-31     | Washer 3                  | 2    | 025030-2-33 |              |
| G- 8     | Encoder Setting Plate  | 1    | 152489-0-01 |              | G-32     | Circuit Board Supporter 1 | 2    | 152452-0-01 |              |
| G- 9     | Encoder Slit           | 1    | 152490-0-01 |              | G-33     | Screw 3 x 12              | 8    | 002301-2-03 |              |
| G-10     | Screw 3 x 8            | 4    | 002300-8-03 |              | G-34     | Washer 2-3                | 8    | 028030-2-43 |              |
| G-11     | Mask D                 | 1    | 152494-0-00 |              | G-35     | Washer 3                  | 8    | 025030-2-33 |              |
| G-12     | Mask B                 | 1    | 152492-0-00 |              | G-36     | Fixing Plate              | 2    | 152454-0-00 |              |
| G-13     | Mask A                 | 1    | 152491-0-00 |              | G-37     | Circuit Board Supporter 2 | 2    | 152453-0-01 |              |
| G-14     | Mask C                 | 1    | 152493-0-00 |              | G-38     | Washer 4                  | 6    | 025040-2-33 |              |
| G-15     | Screw 2.6 x 3          | 10   | 007260-3-13 |              | G-39     | Washer 2-4                | 6    | 028040-2-43 |              |
| G-16     | Encoder Assembly       | 1    | 152480-0-00 |              | G-40     | Screw 4 x 10              | 6    | 002401-0-03 |              |
| G-17     | Screw 3 x 8            | 2    | 002300-8-03 |              | G-41     | Circuit Board Supporter 1 | 4    | 152452-0-01 |              |
| G-18     | Washer 2-3             | 3    | 028030-2-43 |              | G-42     | Printed Circuit Board     | 1    | 152451-1-00 |              |
| G-19     | Set Shaft A            | 3    | 152496-0-01 |              | G-43     | Washer 4                  | 4    | 025040-2-33 |              |
| G-20     | Screw 3 x 8            | 7    | 002300-8-03 |              | G-44     | Washer 2-4                | 4    | 028040-2-43 |              |
| G-21     | Felt                   | 1    |             |              | G-45     | Screw 4 x 10              | 4    | 002401-0-03 |              |
| G-22     | Encoder Cover          | 1    |             |              | G-46     | PMD Circuit Board         | 1    | 152461-0-01 |              |
| G-23     | Screw 4 x 10           | 3    | 007401-0-12 |              | G-47     | CNT-PROM Assembly         | 1    | 154139-0-00 |              |
| G-24     | Clock Harness Assembly | 1    | 154036-0-00 |              | G-48     | DD-PROM                   | 1    | 154144-0-00 |              |

## G. Power Supply Equipment Mechanism (2)



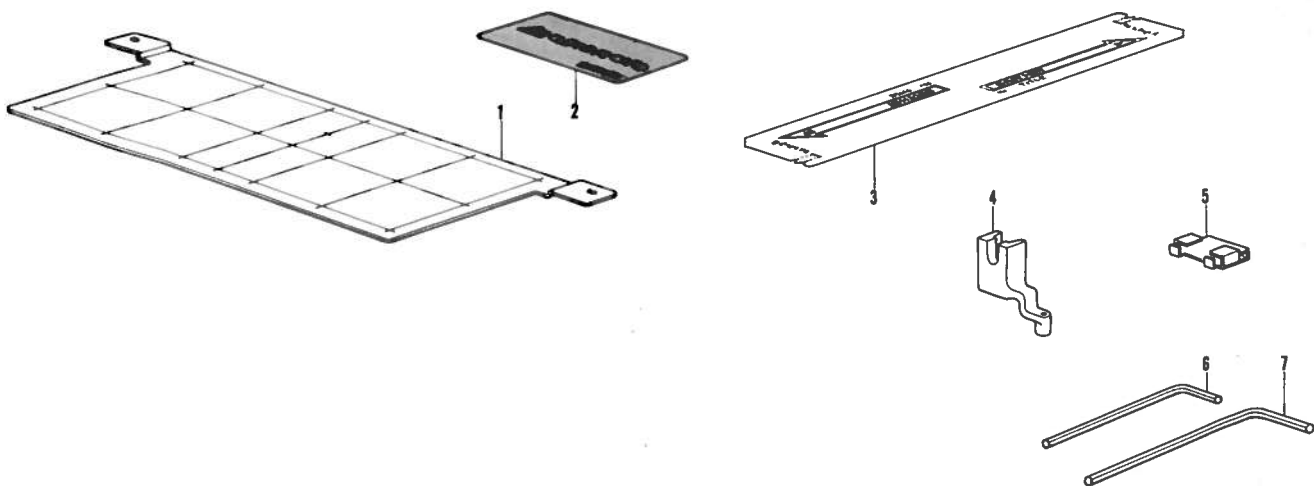
| Ref. No. | Name of Parts                | Q'ty | Parts No.   | Assembly No. | Ref. No. | Name of Parts                     | Q'ty | Parts No.   | Assembly No. |
|----------|------------------------------|------|-------------|--------------|----------|-----------------------------------|------|-------------|--------------|
| G-49     | Fuse Breaker B               | 1    | 152661-0-00 |              | G-74     | Pulse Motor Assembly X            | 1    | 152511-0-00 |              |
| G-50     | Tube                         | 1    |             |              | G-75     | Extension Board                   | 1    | 152499-0-01 |              |
| G-51     | Nut 4                        | 1    | 021400-1-03 |              | G-76     | Spacer A                          | 4    | 152544-0-00 |              |
| G-52     | Washer 2-4                   | 1    | 028040-2-43 |              | G-77     | Washer 3                          | 4    | 025030-2-33 |              |
| G-53     | Screw 4 x 8                  | 1    | 007400-8-13 |              | G-78     | Washer 2-3                        | 4    | 028030-2-43 |              |
| G-54     | Cable Assembly B             | 1    |             |              | G-79     | Screw 3 x 16                      | 4    | 002301-6-05 |              |
| G-55     | Bushing                      | 1    |             |              | G-80     | Spiral Tube B                     | 1    |             |              |
| G-56     | Cable Assembly A             | 1    |             |              | G-81     | Power Supply Equipment Assembly B | 1    | 152659-0-01 |              |
| G-57     | Pulse Motor Assembly Y       | 1    | 152512-0-00 |              | G-82     | Screw 4 x 10                      | 6    | 002401-0-03 |              |
| G-58     | Washer 2-8                   | 6    | 028080-2-42 |              | G-83     | Washer 2-4                        | 6    | 028040-2-43 |              |
| G-59     | Bolt 8 x 20                  | 6    | 018082-0-22 |              | G-84     | Washer 4                          | 6    | 025040-2-33 |              |
| G-60     | Synchronizer Switch Assembly | 1    | 152437-2-00 |              | G-85     | Switch Board Assembly B           | 1    | 152654-1-01 |              |
| G-61     | Micro Switch Assembly        | 1    | 152440-0-01 |              | G-86     | Screw 4 x 7                       | 3    | 004400-7-02 |              |
| G-62     | Screw 2 x 10                 | 8    | 001021-0-16 |              | G-87     | Foot Switch Assembly              | 1    | 152433-1-01 |              |
| G-63     | Washer 2-2                   | 8    | 028020-2-43 |              | G-88     | Washer 4                          | 2    | 025040-2-32 |              |
| G-64     | Screw 4 x 25                 | 4    | 002402-5-12 |              | G-89     | Washer 2-4                        | 2    | 028040-2-42 |              |
| G-65     | Washer 2-4                   | 4    | 028040-2-42 |              | G-90     | Screw 4 x 25                      | 2    | 002402-5-12 |              |
| G-66     | Washer 4                     | 4    | 025040-2-32 |              | G-91     | Screw 4 x 10                      | 32   | 002401-0-03 |              |
| G-67     | Clamp Motor Assembly         | 1    | 152444-1-01 |              | G-92     | Washer 4                          | 32   | 025040-2-33 |              |
| G-68     | Reader Harness Assembly      | 1    | 152446-0-01 |              | G-93     | Cord Holder #6                    | 12   | 525664-0-00 |              |
| G-69     | Screw 4 x 10                 | 4    | 002401-0-03 |              | G-94     | Cord Holder #9                    | 5    | 525907-0-00 |              |
| G-70     | Washer 4 x 10                | 4    | 028040-2-43 |              | G-95     | Cord Holder #12                   | 5    | 554482-0-00 |              |
| G-71     | Washer 4                     | 4    | 025040-2-33 |              | G-96     | Cord Holder #14                   | 10   | 552908-0-00 |              |
| G-72     | Card Reader                  | 1    | 152500-0-00 |              | G-97     | Programmer Harness Assembly A     | 1    | 152556-1-00 |              |
| G-73     | Nut 4                        | 4    | 021400-1-03 |              |          |                                   |      |             |              |

## H. Winder Mechanism



| Ref. No. | Name of Parts                        | Q'ty | Parts No.   | Assembly No.                              | Ref. No. | Name of Parts      | Q'ty | Parts No.   | Assembly No.                         |
|----------|--------------------------------------|------|-------------|-------------------------------------------|----------|--------------------|------|-------------|--------------------------------------|
| H-1-1    | Thread Trimmer Assembly              | 1    | 146197-0-01 | H-1 Bobbin Winder Assembly<br>152651-1-01 | H-1-20   | Spring B           | 1    | 152360-0-01 | H-1-33 Motor Assembly<br>152505-0-01 |
| H-1-2    | Bobbin Winder Wheel Bracket          | 1    |             |                                           | H-1-21   | Bobbin Winder Claw | 1    | 154092-0-01 |                                      |
| H-1-3    | Screw 3 x 5                          | 4    | 004300-5-13 |                                           | H-1-22   | Screw 4.37 x 5     | 2    | 013680-5-12 |                                      |
| H-1-4    | Bobbin Holder Arm                    | 1    | 154024-0-01 |                                           | H-1-23   | Screw 3.18 x 5     | 1    | 001660-5-12 |                                      |
| H-1-5    | Bobbin Presser Plate                 | 1    | 152645-0-01 |                                           | H-1-24   | Washer             | 1    | 111943-0-01 |                                      |
| H-1-6    | Washer 3                             | 1    | 025030-2-33 |                                           | H-1-25   | Spring             | 1    | 111942-0-01 |                                      |
| H-1-7    | Screw 3 x 6                          | 1    | 007300-6-13 |                                           | H-1-26   | Screw              | 1    | 152362-0-01 |                                      |
| H-1-8    | Nut                                  | 1    | 100136-0-01 |                                           | H-1-27   | Lever              | 1    | 152361-0-01 |                                      |
| H-1-9    | Tension Spring                       | 1    | 100401-0-01 |                                           | H-1-28   | Spring A           | 1    | 152363-0-01 |                                      |
| H-1-10   | Tension Disc                         | 2    | 145446-0-01 |                                           | H-1-29   | Washer 2-3         | 3    | 028030-2-42 |                                      |
| H-1-11   | Bobbin Winder Guide Bracket Assembly | 1    | 145571-0-01 |                                           | H-1-30   | Screw 3 x 6        | 3    | 002300-6-13 |                                      |
| H-1-12   | Washer                               | 2    | 025040-2-33 |                                           | H-1-31   | Bobbin Winder      | 1    | 152358-0-01 |                                      |
| H-1-13   | Nut 4                                | 1    | 021400-1-03 |                                           | H-1-32   | Screw 3 x 3        | 2    | 014300-3-22 |                                      |
| H-1-14   | Washer 2-4                           | 1    | 028040-2-43 |                                           | H-1-32-1 | Motor              | 1    | 152506-0-00 |                                      |
| H-1-15   | Screw 4 x 10                         | 1    | 002401-0-03 |                                           | H-1-32-2 | Micro Switch       | 1    |             |                                      |
| H-1-16   | Collar                               | 2    | 152364-0-01 |                                           | H-1-32-3 | Actuator           | 1    |             |                                      |
| H-1-17   | Stopper                              | 1    | 154093-1-01 |                                           | H-1-32-4 | Nylon Connector    | 1    |             |                                      |
| H-1-18   | Motor Setting Plate                  | 1    |             |                                           | H-1-32-5 | Terminal Pin       | 2    | 552851-0-01 |                                      |
| H-1-19   | Spring Pin                           | 2    |             |                                           | H-2      | Screw 3.1 x 13     | 5    | 031311-3-06 |                                      |

## Z. Accessories · Accessories Set



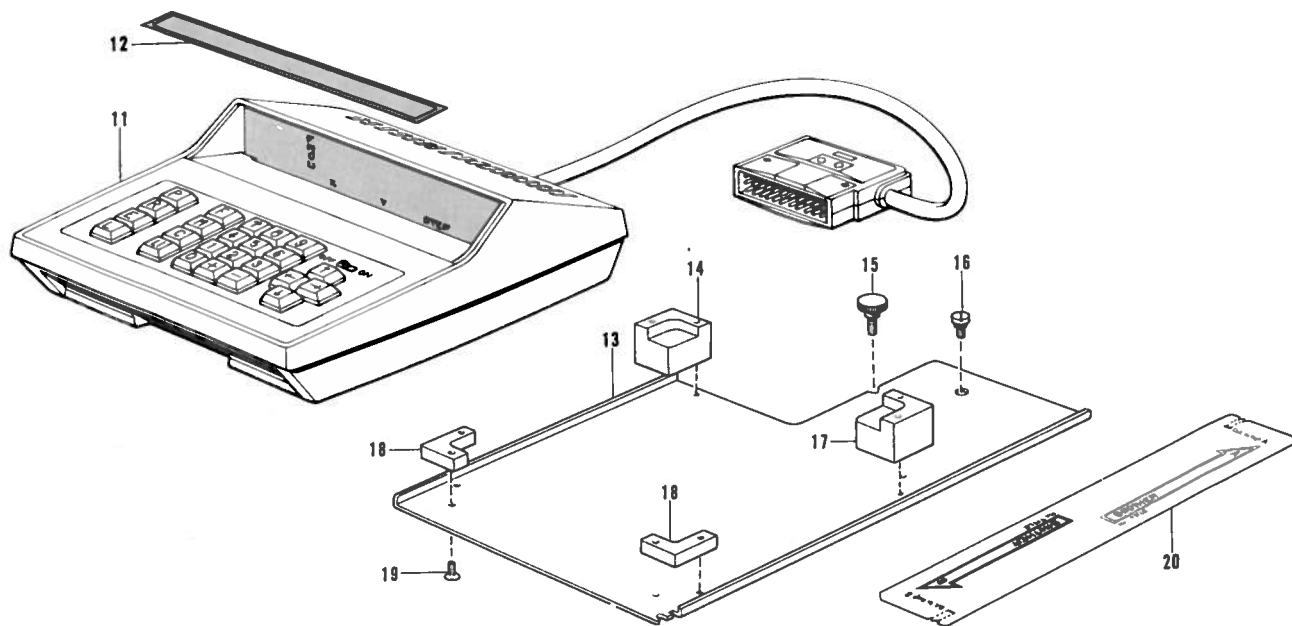
| Ref. No. | Name of Parts  | Q'ty | Parts No.   | Assembly No. | Ref. No. | Name of Parts           | Q'ty | Parts No.   | Assembly No. |
|----------|----------------|------|-------------|--------------|----------|-------------------------|------|-------------|--------------|
| Z- 1     | Standard Plate |      | 152515-1-01 |              | Z- 5     | Presser Plate Supporter |      | 154041-1-01 |              |
| Z- 2     | Cleaning Card  |      | 152598-0-00 |              | Z- 6     | Wrench 2.5              |      | 154125-0-01 |              |
| Z- 3     | Memory Card    |      | 152599-0-00 |              | Z- 7     | Wrench 3                |      | 142721-0-01 |              |
| Z- 4     | Presser Foot A |      | 152283-1-01 |              |          |                         |      |             |              |

\*The details of included accessories are subject to change.

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

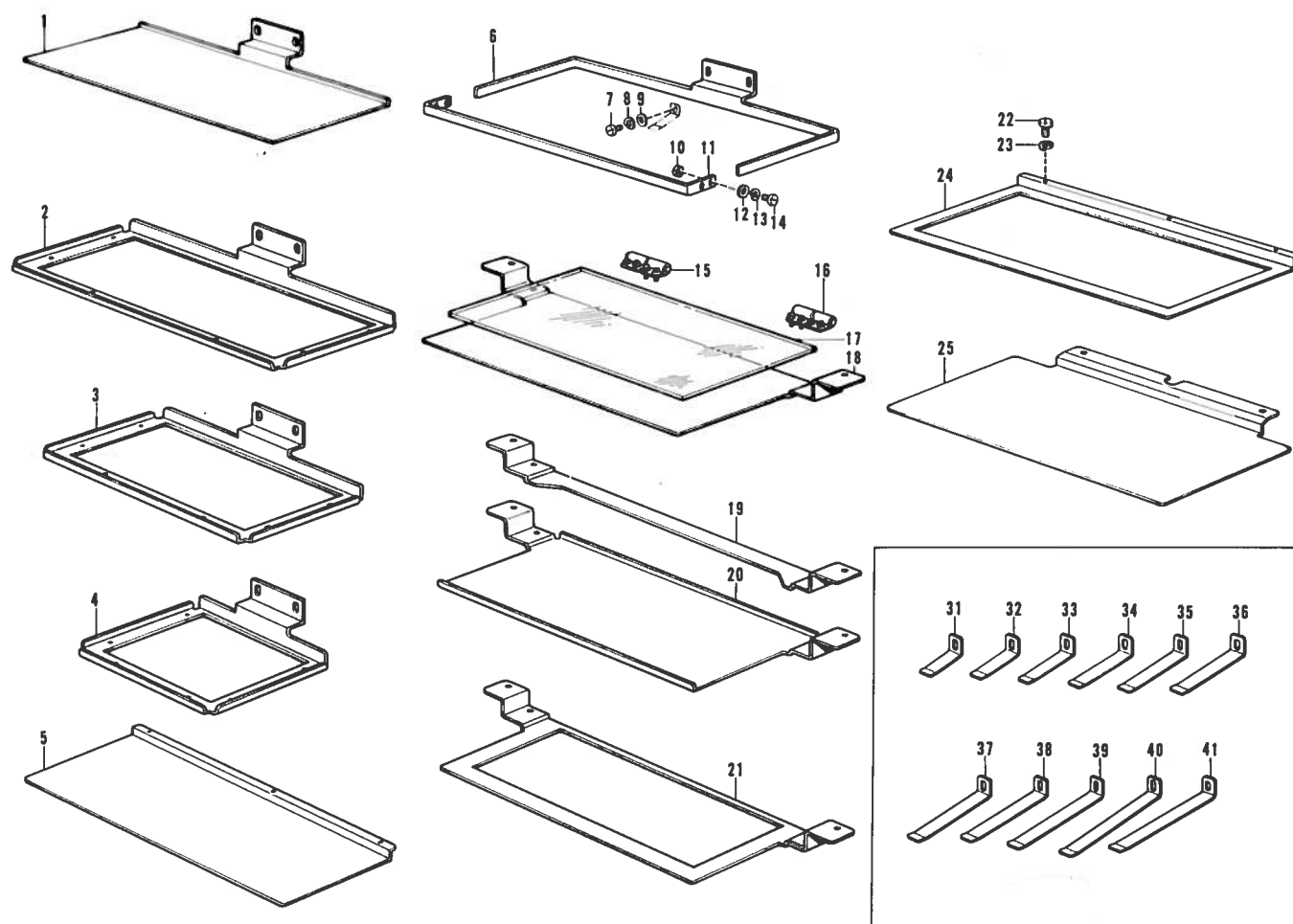
\*Änderungen in der Aufstellung der mitgelieferten Zubehöre sind vorbehalten.

\*Los detalles de los accesorios incluidos pueden variar.



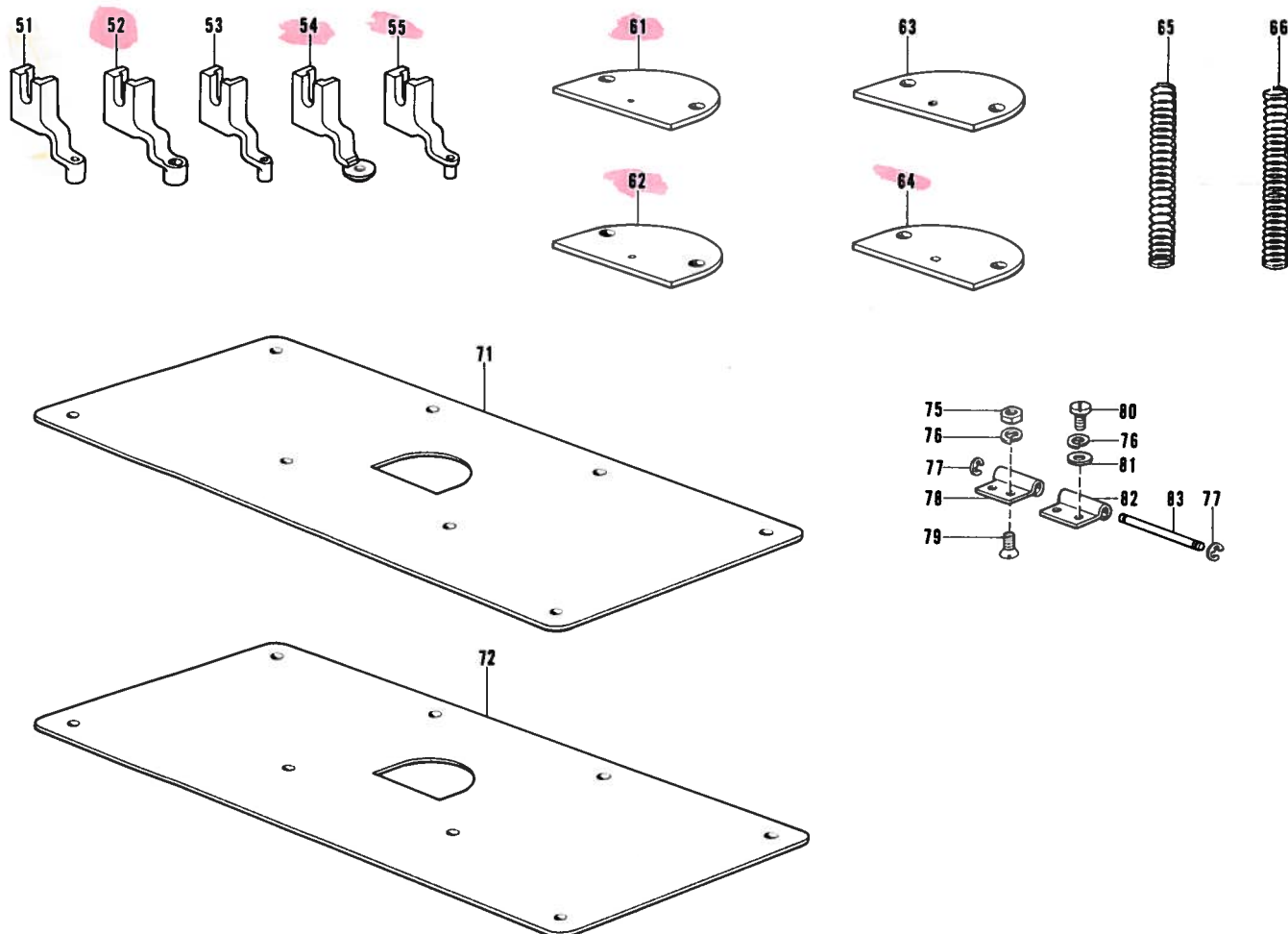
| Ref. No. | Name of Parts    | Q'ty | Parts No.   | Assembly No. | Ref. No. | Name of Parts | Q'ty | Parts No.   | Assembly No. |
|----------|------------------|------|-------------|--------------|----------|---------------|------|-------------|--------------|
| Z-11     | Programmer       | 1    | 152514-1-01 |              | Z-16     | Table Hinge   | 1    | 152589-0-01 |              |
| Z-12     | Label            | 1    | 154077-0-01 |              | Z-17     | Cradle (BR)   | 1    | 152588-0-00 |              |
| Z-13     | Programmer Table | 1    | 152585-1-01 |              | Z-18     | Cradle (F)    | 2    | 152586-0-00 |              |
| Z-14     | Cradle (BL)      | 1    | 152587-0-00 |              | Z-19     | Screw 4 x 7   | 8    | 004400-7-02 |              |
| Z-15     | Screw            | 2    | 152590-0-01 |              | Z-20     | Memory Card   | 20   | 152599-0-00 |              |

## a. Optional Parts (1)



| Ref. No. | Name of Parts                | Q'ty | Parts No.   | Assembly No. | Ref. No. | Name of Parts              | Q'ty | Parts No.   | Assembly No. |
|----------|------------------------------|------|-------------|--------------|----------|----------------------------|------|-------------|--------------|
| a- 1     | Presser Plate (Tacking type) | 1    | 152630-0-01 |              | a-19     | Cassette                   | 1    | 154071-1-01 |              |
| a- 2     | Presser Plate 250 x 105      | 1    | 154117-0-01 |              | a-20     | Cassette Presser (Lower) B | 1    | 154091-1-01 |              |
| a- 3     | Presser Plate 175 x 105      | 1    | 154118-0-01 |              | a-21     | Cassette Presser (Lower) C | 1    | 154120-1-01 |              |
| a- 4     | Presser Plate 105 x 105      | 1    | 154119-0-01 |              | a-22     | Screw 3 x 8                | 3    | 007300-8-03 |              |
| a- 5     | Feed Plate A                 | 1    | 152631-0-01 |              | a-23     | Washer 2-3                 | 3    | 028030-2-43 |              |
| a- 6     | Presser Frame (Rear)         | 1    | 152623-0-01 |              | a-24     | Feed Plate A               | 1    | 152282-1-01 |              |
| a- 7     | Screw 3 x 5                  | 11   | 001300-5-03 |              | a-25     | Feed Plate B               | 1    | 154129-0-01 |              |
| a- 8     | Washer 2-3                   | 11   | 028030-2-43 |              | a-31     | Presser Plate Spring 25    | 1    | 152612-0-01 |              |
| a- 9     | Washer 3                     | 11   | 025030-2-33 |              | a-32     | Presser Plate Spring 30    | 1    | 152617-0-01 |              |
| a-10     | Nut 4                        | 4    | 021400-1-03 |              | a-33     | Presser Plate Spring 35    | 1    | 152613-0-01 |              |
| a-11     | Presser Frame (Front)        | 1    | 152622-1-01 |              | a-34     | Presser Plate Spring 40    | 1    | 152618-0-01 |              |
| a-12     | Washer 4                     | 4    | 025040-2-33 |              | a-35     | Presser Plate Spring 45    | 1    | 152614-0-01 |              |
| a-13     | Washer 2-4                   | 4    | 028040-2-43 |              | a-36     | Presser Plate Spring 50    | 1    | 152619-0-01 |              |
| a-14     | Screw 4 x 8                  | 4    | 007400-8-13 |              | a-37     | Presser Plate Spring 55    | 1    | 152626-0-01 |              |
| a-15     | Hinge Set Left               | 1    | 152633-0-01 |              | a-38     | Presser Plate Spring 60    | 1    | 152615-0-01 |              |
| a-16     | Hinge Set Right              | 1    | 152632-0-01 |              | a-39     | Presser Plate Spring 65    | 1    | 152620-0-01 |              |
| a-17     | Cassette Presser (Upper)     | 1    | 152625-0-00 |              | a-40     | Presser Plate Spring 70    | 1    | 152621-0-01 |              |
| a-18     | Cassette Presser (Lower) A   | 1    | 152624-1-01 |              | a-41     | Presser Plate Spring 75    | 1    | 152616-0-01 |              |

## a. Optional Parts (2)



| Ref. No. | Name of Parts              | Q'ty | Parts No.   | Assembly No. | Ref. No. | Name of Parts    | Q'ty | Parts No.   | Assembly No. |
|----------|----------------------------|------|-------------|--------------|----------|------------------|------|-------------|--------------|
| a-51     | Presser Foot A (Hole 2.5φ) | 1    | 152283-1-01 |              | a-71     | Needle Plate SUS | 1    | 152255-0-00 |              |
| a-52     | Presser Foot B (Hole 4φ)   | 1    | 152636-0-01 |              | a-72     | Needle Plate B   | 1    | 154075-0-00 |              |
| a-53     | Presser Foot C (Hole 2φ)   | 1    | 152637-0-01 |              | a-75     | Nut 3            | 2    | 021300-1-03 |              |
| a-54     | Presser Foot D (Hole 3φ)   | 1    | 154069-0-01 |              | a-76     | Washer 2-3       | 4    | 028030-2-43 |              |
| a-55     | Presser Foot E (Hole 1.6φ) | 1    | 154089-0-01 |              | a-77     | Stop Ring E2     | 2    | 048020-3-42 |              |
| a-61     | Needle Plate 14            | 1    | 154104-0-01 |              | a-78     | Hinge A          | 1    | 152627-0-01 |              |
| a-62     | Needle Plate 18            | 1    | 154105-0-01 |              | a-79     | Screw 3 x 6      | 2    | 003300-6-04 |              |
| a-63     | Needle Plate 22            | 1    | 152256-0-01 |              | a-80     | Screw 3 x 5      | 2    | 001300-5-03 |              |
| a-64     | Needle Plate 26            | 1    | 154127-0-01 |              | a-81     | Washer 3         | 2    | 025030-1-33 |              |
| a-65     | Spring A (Weak)            | 1    | 152254-0-01 |              | a-82     | Hinge B          | 1    | 152628-0-01 |              |
| a-66     | Spring B (Strong)          | 1    | 152641-0-01 |              | a-83     | Hinge Shaft      | 1    | 152629-0-01 |              |

# I N D E X

| Parts No.   | Ref. No. | Remark | Parts No.   | Ref. No. | Remark | Parts No.   | Ref. No. | Remark | Parts No.   | Ref. No. | Remark |
|-------------|----------|--------|-------------|----------|--------|-------------|----------|--------|-------------|----------|--------|
| 001021-0-16 | G-62     |        | 007400-8-12 | C-16     |        | 018401-0-22 | C-13     |        | 025040-2-32 | G-66     |        |
| 001300-5-03 | a- 7     |        |             | D-32     |        |             | D-96     |        |             | G-88     |        |
|             | a-80     |        |             | E- 7     |        |             | F-33     |        | 025040-2-33 | B-10     |        |
| 001660-5-12 | H- 1-23  |        | 007400-8-13 | B- 8     |        |             | F-43     |        |             | B-14-27  |        |
| 002300-6-13 | H- 1-30  |        |             | B-34     |        | 018401-2-22 | D-90     |        |             | E- 4     |        |
| 002300-8-03 | G-10     |        |             | C- 4     |        |             | D-91     |        |             | E-13     |        |
|             | G-17     |        |             | C- 6     |        |             | F-44     |        |             | E-18     |        |
|             | G-20     |        |             | C-26     |        | 018401-6-22 | C-22     |        |             | E-26     |        |
| 002301-2-03 | G-29     |        |             | E- 2     |        |             | D-30     |        |             | E-30     |        |
|             | G-33     |        |             | E-20     |        |             | F-20     |        |             | E-54     |        |
| 002301-6-05 | G-79     |        |             | E-28     |        | 018403-0-22 | B-14-33  |        |             | E-65     |        |
| 002303-0-06 | E-36     |        |             | E-32     |        | 018404-5-22 | E-92     |        |             | G-27     |        |
| 002401-0-03 | E-43     |        |             | E-56     |        |             | E-109    |        |             | G-38     |        |
|             | G-25     |        |             | E-67     |        | 018501-2-22 | D- 6     |        |             | G-43     |        |
|             | G-40     |        |             | G-53     |        |             | D-15     |        |             | G-48     |        |
|             | G-45     |        |             | a-14     |        |             | D-67     |        |             | G-71     |        |
|             | G-69     |        | 007401-0-12 | A-43     |        |             | D-72     |        |             | G-84     |        |
|             | G-82     |        |             | C-10     |        |             | E-131    |        |             | G-92     |        |
|             | G-91     |        |             | D-48     |        |             | F- 4     |        |             | H- 1-12  |        |
|             | H- 1-15  |        |             | E-10     |        |             | F-38     |        |             | a-12     |        |
| 002402-5-12 | G-64     |        |             | E-15     |        | 018501-6-22 | D- 2     |        | 025050-2-32 | E-112    |        |
|             | G-90     |        |             | E-35     |        |             | D-23     |        |             | E-133    |        |
| 003300-6-04 | C-28- 3  |        |             | E-148    |        |             | D-27     |        |             | F- 2     |        |
|             | C-28- 9  |        |             | E-159    |        |             | E-145    |        | 025260-1-33 | B-26- 3  |        |
|             | a-79     |        |             | G-23     |        | 021060-1-02 | D-44     |        | 028020-2-43 | G-63     |        |
| 003300-8-12 | B-14- 4  |        | 007401-4-12 | B-14- 6  |        | 021160-3-03 | E-51     |        | 028030-2-42 | A- 3     |        |
|             | E-95     |        |             | D-21     |        |             | B-14-23  |        |             | A-48     |        |
|             | E-101    |        |             | D-34     |        | 021300-1-03 | B-29     |        |             | D-58     |        |
| 003400-8-04 | E-24     |        |             | D-56     |        |             | E-41     |        |             | D-77     |        |
| 004300-5-13 | H- 1- 3  |        | 007401-4-13 | D-11     |        |             | E-68     |        |             | D-80     |        |
| 004400-7-02 | G-86     |        |             | D-65     |        |             | E-80     |        |             | D-83     |        |
|             | Z-19     |        | 007402-0-13 | B-14- 7  |        |             | a-75     |        |             | D-101    |        |
| 007260-3-13 | G-15     |        |             | B-18     |        | 021400-1-03 | B-14- 8  |        |             | E-99     |        |
| 007260-6-12 | A- 4     |        |             | B-40     |        |             | B-14-16  |        |             | F-25     |        |
|             | B-26-11  |        |             | G- 3     |        |             | B-14-29  |        |             | F-29     |        |
| 007260-6-13 | B-26- 1  |        | 007402-5-12 | F-16     |        |             | B-14-34  |        |             | H- 1-29  |        |
|             | B-26-14  |        | 007402-5-13 | B-13     |        |             | B-36     |        | 028030-2-43 | A-14     |        |
| 007300-4-12 | C-28- 8  |        | 007403-5-12 | D-46     |        |             | B-48     |        |             | A-21     |        |
| 007300-4-13 | B-41     |        | 007671-2-12 | C-29     |        |             | D- 8     |        |             | B- 3     |        |
|             | B-44     |        | 009681-0-12 | D-62     |        |             | D-38     |        |             | B-14-14  |        |
|             | B-55     |        |             | D-86     |        |             | D-45     |        |             | B-14-22  |        |
|             | B-58     |        | 009761-6-12 | A-12     |        |             | F-11     |        |             | B-42     |        |
| 007300-6-13 | A-47     |        | 013680-5-12 | H- 1-22  |        |             | F-18     |        |             | B-45     |        |
|             | D-57     |        | 014300-3-22 | H- 1-32  |        |             | F-47     |        |             | B-56     |        |
|             | D-88- 3  |        | 014300-5-22 | G- 7     |        |             | G-51     |        |             | B-59     |        |
|             | E-49     |        | 014400-5-22 | F-24     |        |             | G-73     |        |             | C-35     |        |
| 007300-8-03 | A-15     |        | 014400-8-22 | B-47     |        |             | H- 1-13  |        |             | E-37     |        |
|             | B-14-13  |        |             | D- 9     |        |             | a-10     |        |             | E-46     |        |
|             | C-34     |        | 014501-2-20 | A- 6     |        | 025030-1-33 | a-81     |        |             | E-61     |        |
|             | E-62     |        | 014770-6-22 | A- 8     |        | 025030-2-32 | D-59     |        |             | E-64     |        |
|             | H- 1- 7  |        | 017762-0-13 | A-27     |        |             | D-100    |        |             | E-69     |        |
|             | B- 4     |        | 018082-0-22 | G-59     |        |             | E-98     |        |             | G-18     |        |
| 007300-8-03 | D-14- 6  |        | 018102-0-22 | E-116    |        |             | F-30     |        |             | G-30     |        |
|             | D-94- 2  |        |             | E-123    |        | 025030-2-33 | B-14-21  |        |             | G-34     |        |
|             | E-63     |        |             | E-142    |        |             | E-47     |        |             | G-78     |        |
|             | E-73     |        | 018103-0-22 | E-134    |        |             | E-60     |        |             | a- 8     |        |
|             | a-22     |        |             | E-137    |        |             | E-70     |        |             | a-23     |        |
| 007301-0-12 | D-78     |        |             | E-153    |        |             | E-79     |        |             | a-76     |        |
|             | D-81     |        |             | E-154    |        |             | G-31     |        | 028040-2-42 | A-42     |        |
|             | D-82     |        | 018105-0-22 | D-24     |        |             | G-35     |        |             | A-55     |        |
|             | D-102    |        | 018300-8-22 | F-26     |        |             | G-77     |        |             | B-14- 5  |        |
| 007301-2-12 | E-100    |        |             | F-28     |        |             | H- 1- 6  |        |             | B-14-11  |        |
| 007302-0-13 | A-20     |        | 018400-8-22 | B-14-30  |        |             | a- 9     |        |             | B-14-31  |        |
|             | B-28     |        |             | F- 7     |        | 025040-2-32 | B-14-12  |        |             | B-20     |        |
|             | E-45     |        |             | F-10     |        |             | C-15     |        |             | C-11     |        |
|             | F-48     |        |             | F-35     |        |             | D-19     |        |             | C-14     |        |
| 007400-6-13 | E-11     |        |             | F-51     |        |             | E-93     |        |             | C-17     |        |
|             | E-74     |        |             | F-54     |        |             | E-110    |        |             | C-21     |        |
| 007400-7-13 | B-49     |        | 018401-0-22 | B-14-10  |        |             | F- 5     |        |             | D-20     |        |
| 007400-8-12 | A-54     |        |             | B-19     |        |             | F-31     |        |             | D-31     |        |

| Parts No.   | Ref. No. | Remark | Parts No.   | Ref. No.   | Remark | Parts No.   | Ref. No. | Remark | Parts No.   | Ref. No.   | Remark |
|-------------|----------|--------|-------------|------------|--------|-------------|----------|--------|-------------|------------|--------|
| 028040-2-42 | D-35     |        | 028060-2-42 | D-74       |        | 152257-0-01 | A-41     |        | 152361-0-01 | H- 1-27    |        |
|             | D-47     |        | 028080-2-42 | G-58       |        | 152258-1-01 | A-51     |        | 152362-0-01 | H- 1-26    |        |
|             | D-55     |        | 028100-2-42 | D-25       |        | 152259-1-01 | A-40     |        | 152363-0-01 | H- 1-28    |        |
|             | D-89     |        |             | E-117      |        | 152260-0-01 | A-56     |        | 152364-0-01 | H- 1-16    |        |
|             | D-92     |        |             | E-122      |        | 152268-0-01 | B-14-18  |        | 152369-0-01 | F-23       |        |
|             | D-97     |        |             | E-135      |        | 152269-0-01 | B-14-19  |        | 152370-0-00 | F-22       |        |
|             | E- 6     |        |             | E-138      |        | 152270-0-01 | B-14- 1  |        | 152371-0-01 | F-19       |        |
|             | E- 9     |        |             | E-141      |        | 152271-0-01 | B-14-24  |        | 152372-0-01 | F-50       |        |
|             | E-34     |        |             | E-152      |        | 152272-0-01 | B-14-25  |        | 152374-0-01 | F-41       |        |
|             | E-149    |        |             | E-155      |        | 152273-0-01 | B-14-15  |        | 152375-0-01 | F-34       |        |
|             | E-158    |        | 028260-2-42 | B-26-10    |        | 152274-1-01 | B-11     |        | 152378-0-01 | F-17       |        |
|             | F- 6     |        | 028260-2-43 | B-26- 2    |        | 152275-0-01 | B-16     |        | 152379-0-01 | F-57       |        |
|             | F- 9     |        |             | B-26-13    |        | 152276-1-01 | B-15     |        | 152380-0-01 | F-37       |        |
|             | F-15     |        | 028350-2-42 | C-30       |        | 152277-0-01 | B-14-20  |        | 152381-1-01 | F-14       |        |
|             | F-21     |        | 028680-2-42 | A-45       |        | 152280-1-01 | B- 6     |        | 152382-1-01 | F-13       |        |
|             | F-32     |        |             | A-52       |        | 152282-1-01 | a-24     |        | 152383-2-01 | A- 9       |        |
|             | F-36     |        |             | D-61       |        | 152283-1-01 | B- 7     |        | 152389-0-01 | A- 5       |        |
|             | F-42     |        |             | D-87       |        |             | Z- 4     |        | 152393-0-00 | E-52       |        |
|             | F-45     |        |             | E-87       |        |             | a-51     |        | 152418-0-01 | E-21       |        |
|             | F-52     |        |             | E-90       |        | 152284-0-00 | A-17     |        | 152423-0-00 | E-59       |        |
|             | F-55     |        |             | E-107      |        | 152285-0-01 | A-31     |        | 152433-1-01 | G-87       |        |
|             | G-65     |        |             | E-115      |        | 152286-0-01 | A-32     |        | 152437-2-00 | G-60       |        |
|             | G-89     |        |             | E-121      |        | 152287-0-01 | A-30     |        | 152440-0-01 | G-61       |        |
|             | B- 9     |        |             | E-124      |        | 152290-0-01 | A-22     |        | 152444-1-01 | G-67       |        |
| 028040-2-43 | B-12     |        |             | E-128      |        | 152291-1-01 | D-26     |        | 152446-0-01 | G-68       |        |
|             | B-14-17  |        | 031311-3-06 | H- 2       |        | 152296-0-01 | D- 4     |        | 152451-1-00 | G-42       |        |
|             | B-14-28  |        | 031452-5-02 | E-147      |        | 152297-0-01 | D-69     |        | 152452-0-01 | G-32       |        |
|             | B-14-35  |        | 033311-3-02 | E-126      |        | 152299-0-00 | C- 9- 4  |        |             | G-41       |        |
|             | B-17     |        |             | E-144      |        |             | C-28- 6  |        | 152453-0-01 | G-37       |        |
|             | B-35     |        | 048020-3-42 | C- 9- 2    |        |             | D-14- 2  |        | 152454-0-00 | G-36       |        |
|             | B-39     |        |             | C-28- 5    |        |             | D-94- 4  |        | 152461-0-01 | G-46       |        |
|             | B-50     |        |             | D-14- 1    |        | 152300-0-01 | D-14- 3  |        | 152463-1-01 | G-28       |        |
|             | C- 3     |        |             | D-94- 5    |        | 152301-0-01 | D-14- 5  |        |             |            |        |
|             | C- 7     |        |             | a-77       |        | 152302-0-01 | D-18     |        | 152480-0-00 | G-16       |        |
|             | C-27     |        |             | B-14-26    |        | 152303-1-01 | D- 7     |        | 152487-1-01 | G- 1       |        |
|             | D-10     |        |             | B-54       |        | 152304-1-01 | D-64     |        | 152488-0-01 | G- 6       |        |
|             | D-66     |        | 048040-3-42 | D-88- 4    |        | 152305-0-00 | D-13     |        | 152489-0-01 | G- 8       |        |
|             | E- 3     |        | 048050-3-42 | B-14-36- 4 |        | 152307-0-00 | D-17     |        | 152490-0-01 | G- 9       |        |
|             | E-12     |        | 081007-0-70 | A-19       |        | 152308-1-00 | D-70     |        | 152491-0-00 | G-13       |        |
|             | E-16     |        | 100022-0-04 | A-37       |        | 152309-0-01 | D-41     |        | 152492-0-00 | G-12       |        |
|             | E-19     |        | 100032-0-03 | A-57       |        | 152310-0-01 | D-40     |        | 152493-0-00 | G-14       |        |
|             | E-27     |        | 100136-0-01 | H- 1- 8    |        | 152311-0-01 | D-39     |        | 152494-0-00 | G-11       |        |
|             | E-31     |        | 100401-0-01 | H- 1- 9    |        | 152312-0-01 | D-37     |        | 152496-0-01 | G-19       |        |
|             | E-44     |        | 100463-0-01 | A-29       |        | 152313-0-01 | D-36     |        | 152497-0-01 | G- 5       |        |
|             | E-55     |        | 102424-0-03 | A-44       |        | 152314-0-01 | D-50     |        | 152498-0-01 | G- 4       |        |
|             | E-66     |        |             | A-53       |        | 152315-0-01 | D-52     |        | 152499-1-01 | G-75       |        |
|             | E-75     |        | 104885-0-01 | A-36       |        | 152316-0-01 | D-51     |        | 152500-0-00 | G-72       |        |
|             | G- 2     |        | 109714-0-00 | E-85       |        | 152326-0-01 | D-88- 2  |        | 152505-0-01 | H- 1-33    |        |
|             | G-26     |        | 111865-0-01 | E-113      |        | 152327-0-00 | D-88- 5  |        | 152506-0-00 | H- 1- 33-1 |        |
|             | G-39     |        | 111942-0-01 | H- 1-25    |        | 152333-0-01 | C-28- 7  |        | 152511-0-00 | G- 74      |        |
|             | G-44     |        | 111943-0-01 | H- 1-24    |        |             | D-94- 3  |        | 152512-0-00 | G-57       |        |
|             | G-52     |        | 140518-0-01 | A-18       |        | 152334-0-01 | C-28- 4  |        | 152514-1-01 | Z-11       |        |
|             | G-70     |        | 142721-0-01 | Z- 7       |        |             | D-94- 6  |        | 152515-1-01 | Z- 1       |        |
|             | G-83     |        | 143882-0-01 | E-86       |        | 152335-0-00 | D-95     |        | 152544-0-00 | E-48       |        |
|             | H- 1-14  |        | 143910-0-01 | E-84       |        | 152336-0-01 | D-99     |        |             | G-76       |        |
|             | a-13     |        | 145446-0-01 | H- 1-10    |        | 152338-0-01 | C- 1     |        | 152545-0-00 | A-23       |        |
| 028050-2-42 | D- 1     |        | 145571-0-01 | H- 1-11    |        | 152339-0-01 | C- 2     |        | 152575-0-00 | E-23       |        |
|             | D- 5     |        | 146037-0-01 | A-34       |        | 152340-1-01 | C-18     |        | 152580-0-01 | E-97       |        |
|             | D-16     |        | 146039-0-01 | A-28       |        | 152342-1-01 | C-40     |        | 152581-0-01 | E-96       |        |
|             | D-28     |        | 146040-0-01 | A-16       |        | 152344-0-01 | C-28-10  |        | 152584-0-01 | E-17       |        |
|             | D-68     |        | 146069-0-01 | A-33       |        | 152345-0-01 | C-28- 2  |        | 152585-1-01 | Z-13       |        |
|             | D-71     |        | 146197-0-01 | H- 1- 1    |        | 152346-1-01 | C-31     |        | 152586-0-00 | Z-18       |        |
|             | E-132    |        | 146293-0-01 | A-26       |        | 152348-0-01 | C-25     |        | 152587-0-00 | Z-14       |        |
|             | E-146    |        | 146367-0-01 | A-35       |        | 152349-1-01 | C- 5     |        | 152588-0-00 | Z-17       |        |
|             | F- 3     |        | 147141-0-01 | A-38       |        | 152350-1-01 | C- 8     |        | 152589-0-01 | E-103      |        |
|             | F-39     |        | 152254-0-01 | a-65       |        | 152351-1-01 | C-12     |        |             | Z-16       |        |
|             | A-11     |        | 152255-0-00 | A-58       |        | 152353-0-01 | C- 9- 3  |        | 152590-0-01 | E-102      |        |
|             | A-39     |        |             | a-71       |        | 152355-1-01 | C-33     |        |             | Z-15       |        |
|             | C-24     |        | 152256-0-01 | A-59       |        | 152358-0-01 | H- 1-31  |        | 152593-0-00 | A- 7       |        |
| 028060-2-42 | D-43     |        |             | a-63       |        | 152360-0-01 | H- 1-20  |        | 152598-0-00 | Z- 2       |        |

| Parts No.   | Ref. No. | Remark | Parts No.   | Ref. No.   | Remark | Parts No. | Ref. No. | Remark | Parts No. | Ref. No. | Remark |
|-------------|----------|--------|-------------|------------|--------|-----------|----------|--------|-----------|----------|--------|
| 152599-0-00 | Z- 3     |        | 154071-1-01 | a-19       |        |           |          |        |           |          |        |
|             | Z-20     |        | 154075-0-00 | a-72       |        |           |          |        |           |          |        |
| 152611-0-00 | D-12     |        | 154077-0-01 | Z-12       |        |           |          |        |           |          |        |
| 152612-0-01 | a-31     |        | 154089-0-01 | a-55       |        |           |          |        |           |          |        |
| 152613-0-01 | a-33     |        | 154090-0-01 | I-49       |        |           |          |        |           |          |        |
| 152614-0-01 | a-35     |        | 154091-1-01 | a-20       |        |           |          |        |           |          |        |
| 152615-0-01 | a-38     |        | 154092-0-01 | H- 1-21    |        |           |          |        |           |          |        |
| 152616-0-01 | a-41     |        | 154093-1-01 | H- 1-17    |        |           |          |        |           |          |        |
| 152617-0-01 | a-32     |        | 154094-0-01 | D-22       |        |           |          |        |           |          |        |
| 152618-0-01 | a-34     |        | 154097-0-00 | E-40       |        |           |          |        |           |          |        |
| 152619-0-01 | a-36     |        |             |            |        |           |          |        |           |          |        |
| 152620-0-01 | a-39     |        | 154104-0-01 | a-61       |        |           |          |        |           |          |        |
| 152621-0-01 | a-40     |        | 154105-0-01 | a-62       |        |           |          |        |           |          |        |
| 152622-1-01 | a-11     |        | 154108-0-01 | B-14-36- 3 |        |           |          |        |           |          |        |
| 152623-0-01 | a- 6     |        | 154109-0-01 | B-14- 2    |        |           |          |        |           |          |        |
| 152624-1-01 | a-18     |        | 154110-0-01 | B-14-32    |        |           |          |        |           |          |        |
| 152625-0-00 | a-17     |        | 154111-0-01 | B-14- 9    |        |           |          |        |           |          |        |
| 152626-0-01 | a-37     |        | 154112-0-01 | B-14- 3    |        |           |          |        |           |          |        |
| 152627-0-01 | a-78     |        | 154113-0-01 | C-23       |        |           |          |        |           |          |        |
| 152628-0-01 | a-82     |        |             | D-73       |        |           |          |        |           |          |        |
| 152629-0-01 | a-83     |        | 154117-0-01 | a- 2       |        |           |          |        |           |          |        |
| 152630-0-01 | a- 1     |        | 154118-0-01 | a- 3       |        |           |          |        |           |          |        |
| 152631-0-01 | a- 5     |        | 154119-0-01 | a- 4       |        |           |          |        |           |          |        |
| 152632-0-01 | a-16     |        | 154120-1-01 | a-21       |        |           |          |        |           |          |        |
| 152633-0-01 | a-15     |        | 154124-0-01 | I-27       |        |           |          |        |           |          |        |
| 152634-0-01 | A-46     |        | 154125-0-01 | Z- 6       |        |           |          |        |           |          |        |
| 152635-0-01 | A-50     |        | 154127-0-01 | a-64       |        |           |          |        |           |          |        |
| 152636-0-01 | a-52     |        | 154129-0-01 | a-25       |        |           |          |        |           |          |        |
| 152637-0-01 | a-53     |        | 154131-0-01 | B-14       |        |           |          |        |           |          |        |
| 152641-0-01 | A-60     |        | 154132-0-01 | B-14-36    |        |           |          |        |           |          |        |
|             | a-66     |        | 154133-0-01 | B-26       |        |           |          |        |           |          |        |
| 152642-0-01 | D-88- 6  |        | 154139-0-00 | G-47       |        |           |          |        |           |          |        |
| 152643-0-01 | C-19     |        | 154144-0-00 | G-48       |        |           |          |        |           |          |        |
| 152644-0-01 | C-20     |        | 525664-0-00 | G-93       |        |           |          |        |           |          |        |
| 152645-0-01 | H- 1- 5  |        | 525907-0-00 | G-94       |        |           |          |        |           |          |        |
| 152651-1-01 | H- 1     |        | 552851-0-01 | H- 1-33- 5 |        |           |          |        |           |          |        |
| 152652-0-01 | D-14     |        | 552908-0-00 | G-96       |        |           |          |        |           |          |        |
| 152654-1-01 | G-85     |        | 554482-0-00 | G-95       |        |           |          |        |           |          |        |
| 152659-0-01 | G-81     |        |             |            |        |           |          |        |           |          |        |
| 152661-0-00 | G-49     |        | 152282-1-01 | B-1        |        |           |          |        |           |          |        |
| 152670-0-01 | C-28     |        | 152556-1-00 | G-97       |        |           |          |        |           |          |        |
| 152671-0-01 | C- 9     |        |             |            |        |           |          |        |           |          |        |
| 152673-0-01 | D-94     |        |             |            |        |           |          |        |           |          |        |
| 154004-0-01 | E-83     |        |             |            |        |           |          |        |           |          |        |
| 154008-0-01 | D-88     |        |             |            |        |           |          |        |           |          |        |
| 154023-0-00 | C-37     |        |             |            |        |           |          |        |           |          |        |
| 154024-0-01 | H- 1- 4  |        |             |            |        |           |          |        |           |          |        |
| 154034-0-00 | E-39     |        |             |            |        |           |          |        |           |          |        |
| 154036-0-00 | G-24     |        |             |            |        |           |          |        |           |          |        |
| 154041-1-01 | B-25     |        |             |            |        |           |          |        |           |          |        |
|             | Z- 5     |        |             |            |        |           |          |        |           |          |        |
| 154044-1-01 | B-26- 4  |        |             |            |        |           |          |        |           |          |        |
| 154050-0-01 | B-26-12  |        |             |            |        |           |          |        |           |          |        |
| 154051-0-01 | B-30     |        |             |            |        |           |          |        |           |          |        |
| 154052-0-01 | B-33     |        |             |            |        |           |          |        |           |          |        |
| 154053-0-01 | B-31     |        |             |            |        |           |          |        |           |          |        |
| 154054-0-01 | B-32     |        |             |            |        |           |          |        |           |          |        |
| 154055-0-01 | B-27     |        |             |            |        |           |          |        |           |          |        |
| 154056-0-01 | B-38     |        |             |            |        |           |          |        |           |          |        |
| 154057-0-01 | B-37     |        |             |            |        |           |          |        |           |          |        |
| 154058-0-01 | B-51     |        |             |            |        |           |          |        |           |          |        |
| 154059-0-01 | B-52     |        |             |            |        |           |          |        |           |          |        |
| 154060-0-01 | B-53     |        |             |            |        |           |          |        |           |          |        |
| 154061-0-01 | B-57     |        |             |            |        |           |          |        |           |          |        |
| 154062-0-01 | B-46     |        |             |            |        |           |          |        |           |          |        |
| 154065-0-01 | B-62     |        |             |            |        |           |          |        |           |          |        |
| 154066-0-00 | B-61     |        |             |            |        |           |          |        |           |          |        |
| 154067-0-01 | F-46     |        |             |            |        |           |          |        |           |          |        |
| 154069-0-01 | a-54     |        |             |            |        |           |          |        |           |          |        |
| 154070-0-01 | C-38     |        |             |            |        |           |          |        |           |          |        |