

PFAFF®

245
1245
1245-0 30/0



Bestandteileliste

List of spare parts

Liste de pièces détachées

Lista de piezas de repuesto

Die Inhaltsübersicht auf Seite 3 gibt einen Überblick über die Aufgliederung der Liste.
 Die Teile sind so abgebildet, wie sie in der Maschine funktionsmäßig zusammengehören.
 Die gestrichelten Abbildungen zeigen, wo die daneben abgebildeten Teile hingehören.
 Die Einrahmungen auf den Bildseiten zeigen, aus welchen Einzelteilen sich die Gruppenteile zusammensetzen.
 Nähwerkzeuge und Apparate sind der Unterklassen-Ausstattung zu entnehmen (siehe Anhang).
 Die auf den Bildseiten verwendeten Schlüsselzeichen (□; 0; 6 usw.) sind in Register „0“ zusammengefaßt und erläutert.
 Das Erstellungsdatum ist auf den einzelnen Seiten oben rechts angegeben. Bei Austausch bitte Datum beachten.
 Konstruktionsänderungen vorbehalten.

For the various sections of this catalogue, please refer to the "Contents" on page 3.
 The parts are illustrated as they belong together in the machine.
 The dashed illustrations show where the adjacent parts belong.
 The framed-in sections on the illustration pages show the individual parts comprising a group.
 For sewing parts and attachments please refer to the subclass listing (see appendix).
 The reference keys (□; 0; 6 etc.) used on the illustration pages are compiled and explained in section "0".
 The date of preparation of the individual pages is indicated in the upper right-hand corner. Please note the new date on revised sheets.
 Subject to alterations in design.

La table des matières, page 3, donne un aperçu de la subdivision de la liste.
 Les pièces figurent sur l'illustration comme elles vont ensemble.
 Les figures en tirets montrent le lieu de montage des pièces figurant à côté.
 Les parties encadrées sur les pages à illustrations représentent les pièces individuelles formant groupe.
 Pour les organes de couture et les appareils, veuillez vous référer à la fiche équipement de sous-classes (voir en annexe).
 Les symboles (□; 0; 6 etc.) utilisés sur les pages illustrées sont regroupés et expliqués au registre „0".
 La date de parution des différentes planches est indiquée dans l'angle supérieur droit. Veiller à toujours n'utiliser que les planches les plus récentes.
 Sous réserve de modifications.

En la página 3, bajo el título "contenido", puede verse un resumen de la división de la "lista de piezas".
 Las piezas están ilustradas como funcionan en la máquina.
 Las figuras a base de líneas entrecortadas muestran dónde y cómo van montadas las piezas ilustradas al lado.
 Los recuadros en las páginas ilustradas indican las piezas individuales de que se componen los grupos.
 Para los órganos de costura y aparatos, véase la „Dotación de subclases" (en el anexo).
 Los símbolos clave (□; 0; 6, etc.) utilizados en las páginas ilustradas se hallan recopilados y explicados en el registro „0".
 La fecha en que cada una de las páginas ha sido editada se halla indicada en la esquina derecha superior. Al reemplazar unas hojas por otras se ruega tener en cuenta la fecha.
 Salvo modificaciones técnicas.

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00-000 000-00

Hauptgruppenteil, bestehend aus: Gruppenteilen oder
Gruppenteilen und Einzelteilen oder
Gruppenteilen, Einzelteilen und Einzelteilen mit Ergänzung.
(Siehe Einrahmungen auf den Bildseiten.)

00-000 000-00

Gruppenteil, bestehend aus: Einzelteilen oder
Einzelteilen und Einzelteilen mit Ergänzung.
(Siehe Einrahmungen auf den Bildseiten.)

00-000 000-00

Einzelteil mit Ergänzung (siehe Einrahmungen auf den Bildseiten)
z.B. Stellring mit Schrauben, Nadelstange mit Befestigungsschraube zur Nadel, usw.

00-000 000-00

Einzelteil

B

Ausführung B

BN

Ausführung B, Stichlänge 6,0 mm

C

Ausführung C

CN

Ausführung C, Stichlänge 6,0 mm

CN8

Ausführung C, Stichlänge 8,0 mm

D

Ausführung D

N

Stichlänge 6,0 mm

N8

Stichlänge 8,0 mm

N10

Stichlänge 10,0 mm

P

Teile zum Hüpferttransport

Unterklassenabhängig, Teilenummer siehe Unterklassen-Ausstattung.

O

Unterklassenzugehörigkeit siehe Unterklassen-Ausstattung.

1/1

Bestellnummer für neues Aggregat.

1/2

Bestellnummer für Austauschaggregat (defektes Aggregat einsenden).

3

Geklebt

6

Nadeldicke und Spitzenform bei Bestellung angeben.

22

Zubehör

27/2

Eingeklammerte Zahl = Stärke in mm.

27/5

Eingeklammerte Zahl = Länge in mm

28

Sonderausführung

28/6

Sonderausführung, nur in Verbindung mit Distanzscheibe Nr. 91-140 414-05 oder
Nr. 91-140 415-05 (siehe Seiten 25; 37; 49; 61 und 63).

28/7

Sonderausführung, Greifer mit Greiferbügel ohne Gegenspitze.

28/8

Sonderausführung, für leichten Stoffdruckerdruck.

30

Frühere Ausführung, im Ersatzfall wieder bestellen.

30/0

Frühere Ausführung, nicht mehr im Programm.

30/2Frühere Ausführung, ersetzt durch Nr. 91-140 085-05 und Nr. 91-140 086-12.**30/3**Frühere Ausführung, ersetzt durch Nr. 91-140 570-91 und Nr. 91-140 572-92 (siehe Seite 22).**30/4**Frühere Ausführung, ersetzt durch Nr. 91-140 576-91 und Nr. 91-140 578-92 (siehe Seite 32).**30/5**Frühere Ausführung, zu Nr. 91-102 216-91 (siehe Seite 33).**30/6**

Frühere Ausführung, im Ersatzfall Nr. 91-140 987-05 bestellen.

30/7Frühere Ausführung, ersetzt durch Nr. 91-140 731-90.**30/8**Frühere Ausführung, ersetzt durch Nr. 91-171 462-70/993 (siehe Seite 95a).

- 31** Einzeln nicht austauschbar, im Ersatzfall vollständiges Aggregat (eingerahmte Teile) bestellen oder zur Reparatur einsenden.
- 32** Beim Einbau dieses Teiles wird für die Paßgenauigkeit zum Anschlußteil keine Garantie übernommen; zweckmäßig vollständiges Aggregat bestellen.
- 35/1** Bei Montage vernieten.
- 35/4** Bei Montage bohren und verstiften.
- 40/1** Füllen mit Shell-Tellus C 22, Bestellnummer siehe Seite 16.
- 40/3** Fetten mit Shell-Alvania R 3, Bestellnummer siehe Seite 16.
- 40/4** Fetten mit Shell-Retinax G, Bestellnummer siehe Seite 16.
- 40/6** Füllen mit Sewtrol EL, Bestellnummer siehe Seite 16.
- 40/7** Tränken mit Sewtrol EL, Bestellnummer siehe Seite 16.
- 40/8** Tränken mit technischem Weißöl, Bestellnummer siehe Seite 16.
- 40/13** Fetten mit Molykote M 55 plus, Bestellnummer siehe Seite 16.
- 40/15** Zum Schmiernippel Nr. 15-711 050-51 (siehe Seiten 19; 29 und 41).
- 60** Wahlweise
- 80/4** Für Schlauch mit 4 mm Innendurchmesser.
- 80/6** Für Schlauch mit 6 mm Innendurchmesser.
- 81/1** Stückzahl je nach Bedarf.
- 90/1** Für Wechselstrom
- 90/2** Für Drehstrom
- 90/3** Zur Motorbefestigung
- 90/7** Langsamnähleinrichtung abschaltbar
- 90/9** Für Motoren mit 8-stelliger Typennummer.
- 90/11** Für Elektronik-Stop-Motoren
- 90/12** Für Kupplungsmotoren
- 90/13** Für Hebel-Stop-Motoren
- 90/14** Zum Motorschutzschalter
- 90/17** Für Maschinen ohne Stop-Motor.
- 90/18** Für Maschinen mit Stop-Motor.
- 90/23** Zum Befestigen von Nr. 91-177 464-45 am Einständer-Gestell.
- 90/30** Einbau nach Vordruck 46. Meßleiste Nr. 61-111 633-65 wird benötigt.
- 90/31** Meßleiste zum Justieren des kleinen Greiferantriebskegelrades.
- 95/4** x-Wert = Stichlänge, bei Bestellung angeben.
- 96** Länge angeben
- 96/4** Schlauch mit 4 mm Innendurchmesser, bei Bestellung Länge angeben.
- 96/6** Schlauch mit 6 mm Innendurchmesser, bei Bestellung Länge angeben.

00-000 000-00

Assembly, consisting of: sub-assemblies or
sub-assemblies and component parts or
sub-assemblies, component parts and component plus complementary
parts.
(See the framed-in sections on the illustration pages.)

00-000 000-00

Sub-assembly, consisting of: component parts or
component parts and component plus complementary parts.
(See the framed-in sections on the illustration pages.)

00-000 000-00

Component part with complementary parts (see the framed-in sections on the illustration
pages), e.g. collar with screws, needle bar with needle set screw, etc.

00-000 000-00

Component part

B

Model B

BN

Model B, stitch length 6.0 mm

C

Model C

CN

Model C, stitch length 6.0 mm

CN8

Model C, stitch length 8.0 mm

D

Model D

N

Stitch length 6.0 mm

N8

Stitch length 8.0 mm

N10

Stitch length 10.0 mm

P

Components of four-motion drop feed.

Subclass-dependent, for part number see subclass parts listing.

0

For subclass see subclass parts listing.

1/1

Ordering number of new assembly.

1/2

Ordering number of exchange assembly (send in defective assembly).

3

Part cemented

6

Needle size and style of point to be stated on order.

22

Accessories

27/2

Number in parentheses = thickness in mm.

27/5

Number in parentheses = length in mm.

28

Special version

28/6

Special version, only in conjunction with spacing washer No. 91-140 414-05 or
No. 91-140 415-05 (see pages 25, 37, 49, 61 and 63).

28/7

Special version of sewing hook with hook gib without heel.

28/8

Special version, for light presser bar pressure.

30

Earlier version, to be re-ordered for replacement purposes.

30/0

Earlier version, no longer produced.

30/2

Earlier version, replaced by Nos. 91-140 085-05 and 91-140 086-12.

30/3

Earlier version, replaced by Nos. 91-140 570-91 and 91-140 572-92 (see page 22).

30/4

Earlier version, replaced by Nos. 91-140 576-91 and 91-140 578-92 (see page 32).

30/5

Earlier version, for No. 91-102 216-91 (see page 33).

30/6

Earlier version, for replacement please order part No. 91-140 987-05.

30/7

Earlier version, replaced by No. 91-140 731-90.

30/8

Earlier version, replaced by No. 91-171 462-70/993 (see page 95a).

- 31** Cannot be exchanged singly; if defective, order complete assembly (boxed-in parts) or return same for repair.
- 32** No guarantee is assumed that this part will fit the mating part; it is best to order a complete assembly.
- 35/1** To be riveted after assembly.
- 35/4** To be drilled and pinned after assembly.
- 40/1** Top up with Shell-Tellus C 22; for stock number see page 16.
- 40/3** Grease with Shell-Alvania R 3; for stock number see page 16.
- 40/4** Grease with Shell-Retinax G; for stock number see page 16.
- 40/6** Top up with Sewtrol EL; for stock number see page 16.
- 40/7** Soak with Sewtrol EL; for stock number see page 16.
- 40/8** Soak with white oil; for stock number see page 16.
- 40/13** Grease with Molykote M 55 plus; for stock number see page 16.
- 40/15** For grease nipple No. 15-711 050-51 (see pages 19, 29 and 41).
- 60** Optional
- 80/4** For tube with 4 mm inside diameter.
- 80/6** For tube with 6 mm inside diameter.
- 81/1** Quantity as required.
- 90/1** For single-phase A.C.
- 90/2** For three-phase A.C.
- 90/3** For fitting the motor.
- 90/7** Disengageable inching device.
- 90/9** For motors with 8-digit model number.
- 90/11** For electronic Stop motors
- 90/12** For clutch motors
- 90/13** For lever-operated Stop motors
- 90/14** For motor protection switch.
- 90/17** For machines without Stop motor.
- 90/18** For machines with Stop motor.
- 90/23** For fastening part No. 91-177 464-45 on the pedestal stand.
- 90/30** Insertion according to form 46. Gauge No. 61-111 633-65 is required.
- 90/31** Gauge for adjusting the small hook drive gear.
- 95/4** x-value = stitch length, to be stated on order.
- 96** State length
- 96/4** Tube with 4 mm inside dia.; length to be stated on order.
- 96/6** Tube with 6 mm inside dia.; length to be stated on order.

00-000 000-00

Groupe principal de pièces, comprenant: des groupes de pièces ou des groupes de pièces et des pièces détachées ou des groupes de pièces, des pièces détachées et des pièces détachées avec des pièces complémentaires.
(Voir parties encadrées sur illustrations.)

00-000 000-00

Groupe de pièces, comprenant: des pièces détachées ou des pièces détachées et des pièces détachées avec pièces complémentaires.
(Voir parties encadrées sur illustrations.)

00-000 000-00

Pièce détachée avec pièces complémentaires (Voir parties encadrées sur illustrations).
Par exemple, bague avec vis, barre à aiguille avec vis de fixation d'aiguille, etc.

00-000 000-00

Pièce détachée

B

Version B

BN

Version B, longueur du point 6,0 mm.

C

Version C

CN

Version C, longueur du point 6,0 mm.

CN8

Version C, longueur du point 8,0 mm.

D

Version D

N

Longueur du point 6,0 mm

N8

Longueur du point 8,0 mm

N10

Longueur du point 10,0 mm

P

Pièces de l'entraînement par griffe sautillante.

Fonction de la sous-classe; pour le numéro de la pièce, voir "Équipement de sous-classes".

0

Appartenance de sous-classe, voir "Équipement de sous-classes".

1/1

Numéro de commande d'un nouveau mécanisme.

1/2

Numéro de commande d'un mécanisme de rechange (renvoyer mécanisme défectueux).

3

Pièce collée

6

Préciser la grosseur de l'aiguille et la forme de la pointe à la commande.

22

Accessoires

27/2

Chiffre entre parenthèses = épaisseur en mm.

27/5

Chiffre entre parenthèses = longueur en mm.

28

Version spéciale

28/6

Version spéciale, uniquement en liaison avec la rondelle intercalaire n° 91-140 414-05 ou n° 91-140 415-05 (voir pages 25, 37, 49, 61 et 63).

28/7

Version spéciale de crochet, avec archet sans pointe.

28/8

Version spéciale, pour pression légère de la barre de pression.

30

Ancienne version, à commander à nouveau pour échange.

30/0

Ancienne version, ne figure plus au programme.

30/2

Ancienne version, remplacée par n°s 91-140 085-05 et 91-140 086-12.

30/3

Ancienne version, remplacée par n°s 91-140 570-91 et 91-140 572-92 (voir page 22).

30/4

Ancienne version, remplacée par n°s 91-140 576-91 et 91-140 578-92 (voir page 32).

30/5

Ancienne version, pour n° 91-102 216-91 (voir page 33).

30/6

Ancienne version, pour échange commander n° 91-140 987-05.

- 30/7** Ancienne version, remplacée par n° 91-140 731-90.
- 30/8** Ancienne version, remplacée par n° 91-171 462-70/993 (voir page 95a).
- 31** Pièces seules non interchangeables, si nécessaire, commander élément complet (encadré) ou le renvoyer pour réparation.
- 32** Aucune garantie ne pourra être assurée quant à la précision d'ajustage de cette pièce avec la pièce correspondante; il est indiqué de commander un mécanisme complet.
- 35/1** River après montage.
- 35/4** Percer et goupiller après montage.
- 40/1** Remplir de Shell-Tellus C 22, n° de commande, voir page 16.
- 40/3** Graisser avec de la graisse Shell-Alvania R 3, n° de commande, voir page 16.
- 40/4** Graisser avec de la graisse Shell-Retinax G, n° de commande, voir page 16.
- 40/6** Remplir de Sewtrol EL, n° de commande, voir page 16.
- 40/7** Imbiber de Sewtrol EL, n° de commande, voir page 16.
- 40/8** Imbiber d'huile blanche, n° de commande, voir page 16.
- 40/13** Graisser avec de la graisse Molykote M 55 plus, n° de commande, voir page 16.
- 40/15** Pour le graisseur n° 15-711 050-51 (voir pages 19, 29 et 41).
- 60** Au choix
- 80/4** Pour tuyau d'un diamètre intérieur de 4 mm.
- 80/6** Pour tuyau d'un diamètre intérieur de 6 mm.
- 81/1** Nombre en fonction du besoin.
- 90/1** Pour du courant alternatif.
- 90/2** Pour du courant triphasé
- 90/3** Pour la fixation du moteur.
- 90/7** Réducteur de vitesse débrayable.
- 90/9** Pour moteurs avec numéro de modèle à 8 chiffres.
- 90/11** Pour moteurs Stop électroniques.
- 90/12** Pour moteurs-transmetteurs.
- 90/13** Pour moteurs Stop à levier.
- 90/14** Pour contacteur-disjoncteur du moteur.
- 90/17** Pour machines sans moteur Stop.
- 90/18** Pour machines avec moteur Stop.
- 90/23** Pour fixer la pièce n° 91-177 464-45 au bâti colonne.
- 90/30** Montage selon l'imprimé 46. La barre de mesure n° 61-111 633-65 est nécessaire.
- 90/31** Barre de mesure pour l'ajustage du petit pignon conique commande du crochet.
- 95/4** Valeur "x" = Longueur du point, à préciser à la commande.
- 96** Préciser longueur
- 96/4** Flexible d'un diamètre intérieur de 4 mm; préciser la longueur.
- 96/6** Flexible d'un diamètre intérieur de 6 mm; préciser la longueur.

00-000 000-00

Grupo principal de piezas, compuesto de: subgrupo de piezas o
subgrupo de piezas y piezas individuales o
subgrupo de piezas, piezas individuales y piezas
complementarias
(véanse los recuadros en las páginas ilustradas).

00-000 000-00

Subgrupo de piezas, compuesto de: piezas individuales o
piezas individuales y piezas complementarias
(véanse los recuadros en las páginas ilustradas).

00-000 000-00

Pieza individual con pieza complementaria (véanse los recuadros en las páginas ilustradas).
Por ejemplo: anillo de ajuste con tornillo, barra de aguja con tornillo de fijación para la aguja, etc.

00-000 000-00

Pieza individual

B

Tipo B

BN

Tipo B, largo de puntada 6,0 mm

C

Tipo C

CN

Tipo C, largo de puntada 6,0 mm

CN8

Tipo C, largo de puntada 8,0 mm

D

Tipo D

N

Largo de puntada 6,0 mm

N8

Largo de puntada 8,0 mm

N10

Largo de puntada 10,0 mm

P

Piezas del transportador inferior a cuatro tiempos.

Dependientes de la subclase, para el Nº de pieza véase "Dotación de subclases".

0

Para saber a qué subclase pertenece, véase "Dotación de subclases".

1/1

Número de pedido para el nuevo mecanismo.

1/2

Número de pedido para el mecanismo de recambio (envíese el mecanismo defectuoso).

3

Pieza pegada

6

Grosor de aguja y forma de la punta, indíquese en los pedidos.

22

Accesorios

27/2

Cifra entre paréntesis = espesor en mm.

27/5

Cifra entre paréntesis = largura en mm.

28

Tipo especial

28/6Tipo especial, sólo en combinación con la arandela distanciadora Nº 91-140 414-05 ó
Nº 91-140 415-05 (véanse las páginas 25, 37, 49, 61 y 63).**28/7**

Tipo especial, garfio con arco del garfio sin punta.

28/8

Tipo especial, para presión ligera del prensatelas.

30

Tipo anterior, en caso de sustitución pídase de nuevo.

30/0

Tipo anterior, fuera de programa.

30/2

Tipo anterior, se sustituye por los Nºs 91-140 085-05 y 91-140 086-12.

30/3

Tipo anterior, se sustituye por los Nºs 91-140 570-91 y 91-140 572-92 (véase la página 22).

30/4

Tipo anterior, se sustituye por los Nºs 91-140 576-91 y 91-140 578-92 (véase la página 32).

30/5

Tipo anterior, para el Nº 91-102 216-91 (véase la página 33).

30/6

Tipo anterior, en caso de sustitución pídase el Nº 91-140 987-05.

30/7

Tipo anterior, se sustituye por el Nº 91-140 731-90.

30/8

Tipo anterior, se sustituye por el Nº 91-171 462-70/993 (véase la página 95a).

- 31** No es recambiable individualmente, en caso de sustitución pídase el agregado completo (pieza enmarcada), o envíese para su reparación.
- 32** Al montar esta pieza no se asume garantía alguna en cuanto a la tolerancia y precisión de ajuste respecto a la pieza correspondiente; por esta razón se recomienda pedir el grupo completo.
- 35/1** Remáchese después del montaje.
- 35/4** Deberá hacerse un taladro y colocarse un pasador antes del montaje.
- 40/1** Rellénese con Shell-Tellus C 22, para el N° de pedido véase la página 16.
- 40/3** Engrase con grasa Shell-Alvania R 3, para el N° de pedido véase la página 16.
- 40/4** Engrase con grasa Shell-Retinax G, para el N° de pedido véase la página 16.
- 40/6** Rellene con Sewtrol EL, para el N° de pedido véase la página 16.
- 40/7** Empape con Sewtrol EL, para el N° de pedido véase la página 16.
- 40/8** Empape con aceite blanco, para el N° de pedido véase la página 16.
- 40/13** Engrase con grasa Molykote M 55 plus, para el N° de pedido véase la página 16.
- 40/15** Para el engrasador N° 15-711 050-51 (véanse las páginas 19, 29 y 41).
- 60** Opcional
- 80/4** Para tubo de plástico de 4 mm diámetro interior.
- 80/6** Para tubo de plástico de 6 mm diámetro interior.
- 81/1** Cantidad según sea necesario.
- 90/1** Para corriente alterna monofásica.
- 90/2** Para corriente alterna trifásica.
- 90/3** Para fijación del motor.
- 90/7** Dispositivo para costura lenta, desconectable.
- 90/9** Para motores con número de modelo de 8 cifras.
- 90/11** Para motores stop electrónicos.
- 90/12** Para motores de embrague.
- 90/13** Para motores stop de palanca.
- 90/14** Para el interruptor de seguridad del motor (guardamotor).
- 90/17** Para máquinas sin motor stop.
- 90/18** Para máquinas con motor stop.
- 90/23** Para asegurar la pieza N° 91-177 464-45 a la bancada de columna.
- 90/30** Montaje según el impreso 46. Se necesita el calibre N° 61-111 633-65.
- 90/31** Calibre para ajustar la rueda cónica pequeña para accionamiento del garfio.
- 95/4** Valor x = Largo de puntada, indíquese en los pedidos.
- 96** Indíquese la largura
- 96/4** Tubo flexible de 4 mm de diámetro interior; indíquese la largura en los pedidos.
- 96/6** Tubo flexible de 6 mm de diámetro interior; indíquese la largura en los pedidos.

Unterklassenabhängige Teile (Nähwerkzeuge) siehe Unterklassen-Ausstattung

Subclass-dependent parts (gauge parts), see "Equipment of subclasses"

Pour les pièces (organes de couture) faisant fonction des ss.-cl., voir "Équipement des sous-classes"

Para las piezas (órganos de costura) dependientes de la subclase véase "Dotación de Subclases"

Teilebenennung Nomenclature Désignation de la pièce Denominación de la pieza	Bestellnummer Ordering number N° de c ^{de} N° de pedido	Unterklasse Subclass Sous-classe Subclase	Abgebildet auf Seite: See page: Voir page: Ilustrada en la pág.:
* Fadenhebel vollst. Take-up lever compl. Releveur de fil cplt. Palanca tirahilos completa	91-140 570-91 91-140 576-91 91-141 113-91	 -706/35; -706/48	17 31 39 54
* Fadenhebel / Take-up lever Releveur de fil / Palanca tirahilos	91-010 942-05 91-018 688-05	-706/35; -706/47; -706/48	39
Fadenführung / Thread guide Guide-fil / Guiahilos	91-011 754-05 91-113 030-25		17, 31, 39 17, 31, 39
Fadenführungsstift / Thread guide pin Broche guide-fil / Espiga guiahilos	91-010 115-05		20, 30, 40
Fadenvorspannung / Thread retainer stud Prétension / Tensahilos previo	91-056 579-21		105
Fadenanzugsfeder / Thread check spring Ressort contrôleur de fil / Muelle recuperador del hilo	91-010 023-05 91-010 937-05		20, 30 30, 40
Spannungsscheibe / Tension disc Disque de tension / Platillo tensor	91-006 505-05		20, 30, 40
* Reibrad zum Spüler Friction wheel for winder Roue de friction du dévidoir Rueda de fricción del devanador	91-118 934-91		22, 32, 44
Mitnehmfeder / Spring Ressort entraîneur / Muelle	91-171 049-05		22, 32, 44
Biegefeder / Spring Ressort de flexion / Muelle de flexion	91-118 683-05		22, 32, 44
Flachzahnriemen / Driving belt with flat cleats Courroie dentée plate / Correa dentada plana	16-410 918-05		23, 33, 45
* Greifer vollst. / Hook compl. Crochet cplt. / Garfio completo	91-018 340-91	-706/47	51
	91-140 451-91	-900/56	64
	91-140 454-91		25
	91-140 538-91		37
	91-140 539-91		37, 49
	91-140 540-91	-900/56	64
* Befestigungsschraube zum Greifer Fastening screw for hook Vis de fixation du crochet Tornillo para fijación del garfio	91-000 525-15	-706/47	51
	91-140 199-02		25, 37, 49, 61, 64
* Befestigungsschraube zum Greiferbügel Fastening screw for hook gib Vis de fixation de l'archet de crochet Tornillo para fijación del arco del garfio	91-000 529-15		25, 37, 49, 51, 61, 64
Spulenkapsel Bobbin case Boîte à canette Cápsula de la canilla	91-010 159-91 91-018 348-91 91-140 287-91 91-140 650-91	 -900/56 -900/56	25 37, 49, 51 64 61
Spannungsfeder zur Spulenkapsel Tension spring for bobbin case Ressort de tension pour boîte à canette Muelle tensor para la cápsula de la canilla	91-010 166-05 91-018 350-05		25, 61 37, 49, 51, 64
Befestigungsschraube zur Spannungsfeder Fastening screw for tension spring Vis de fixation du ressort de tension Tornillo para fijación del muelle tensor	91-000 390-15		25, 37, 49, 51, 61, 64
Regulierschraube zur Spannungsfeder Regulating screw for tension spring Vis de réglage pour ressort de tension Tornillo regulador del muelle tensor	91-000 928-15		25, 37, 49, 51, 61, 64

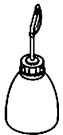
Unterklassenabhängige Teile (Nähwerkzeuge) siehe Unterklassen-Ausstattung

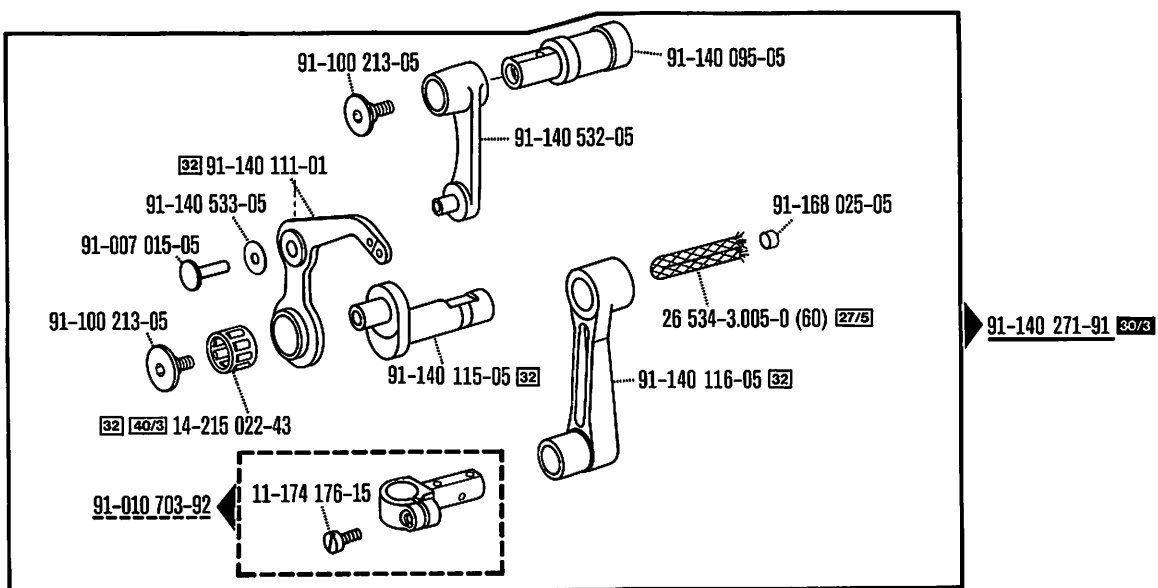
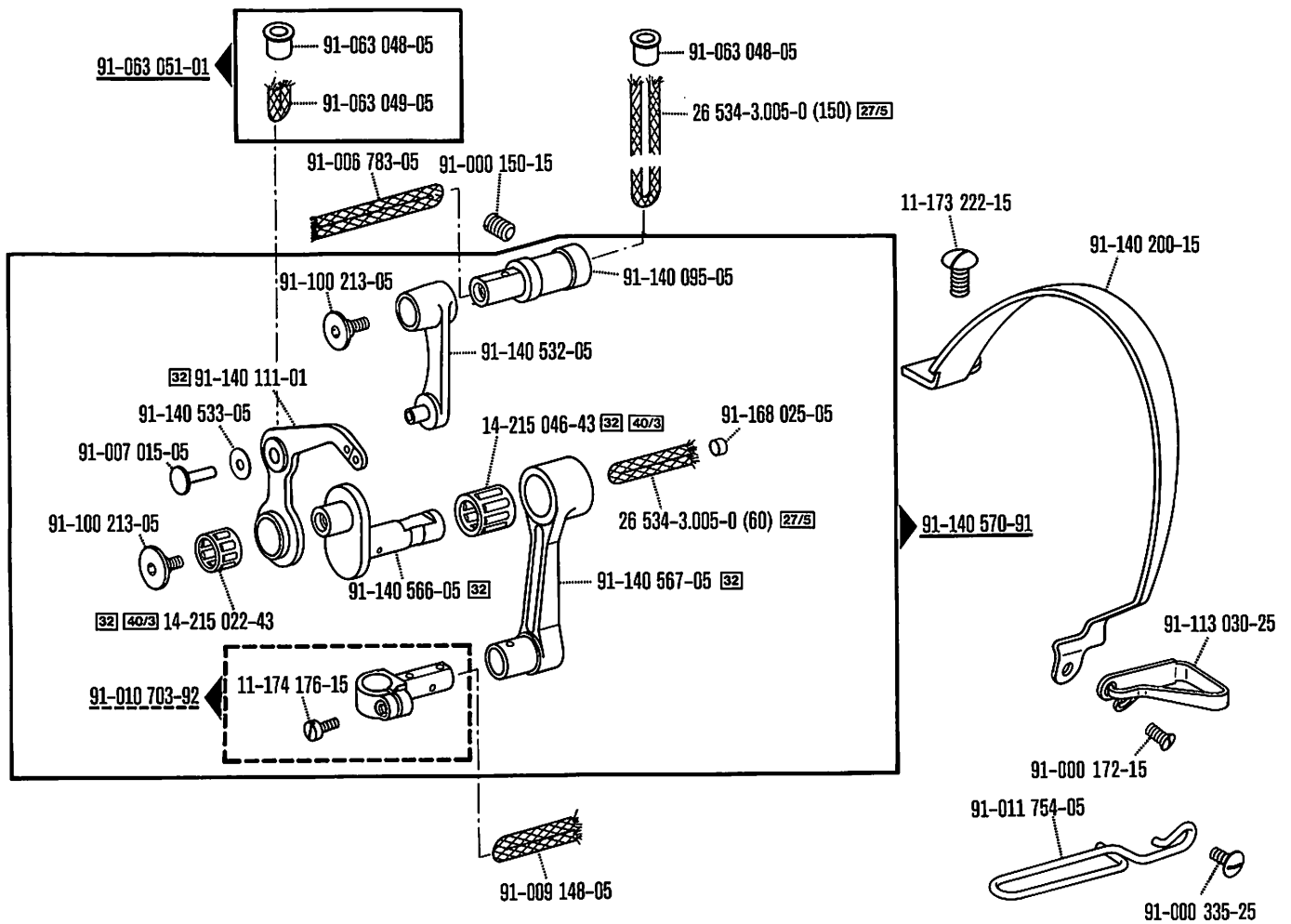
Subclass-dependent parts (gauge parts), see "Equipment of subclasses"

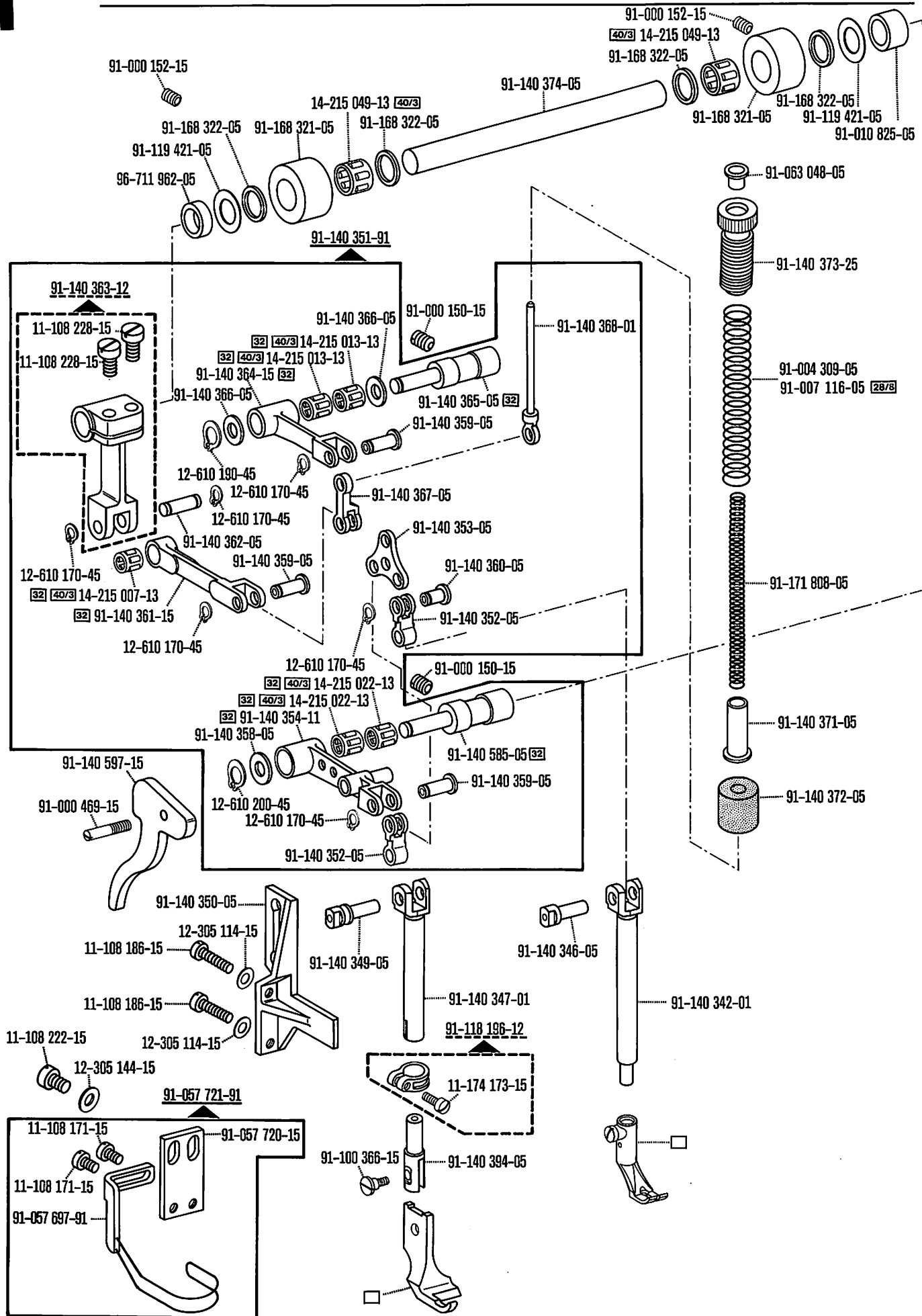
Pour les pièces (organes de couture) faisant fonction des ss.-cl., voir "Équipement des sous-classes"

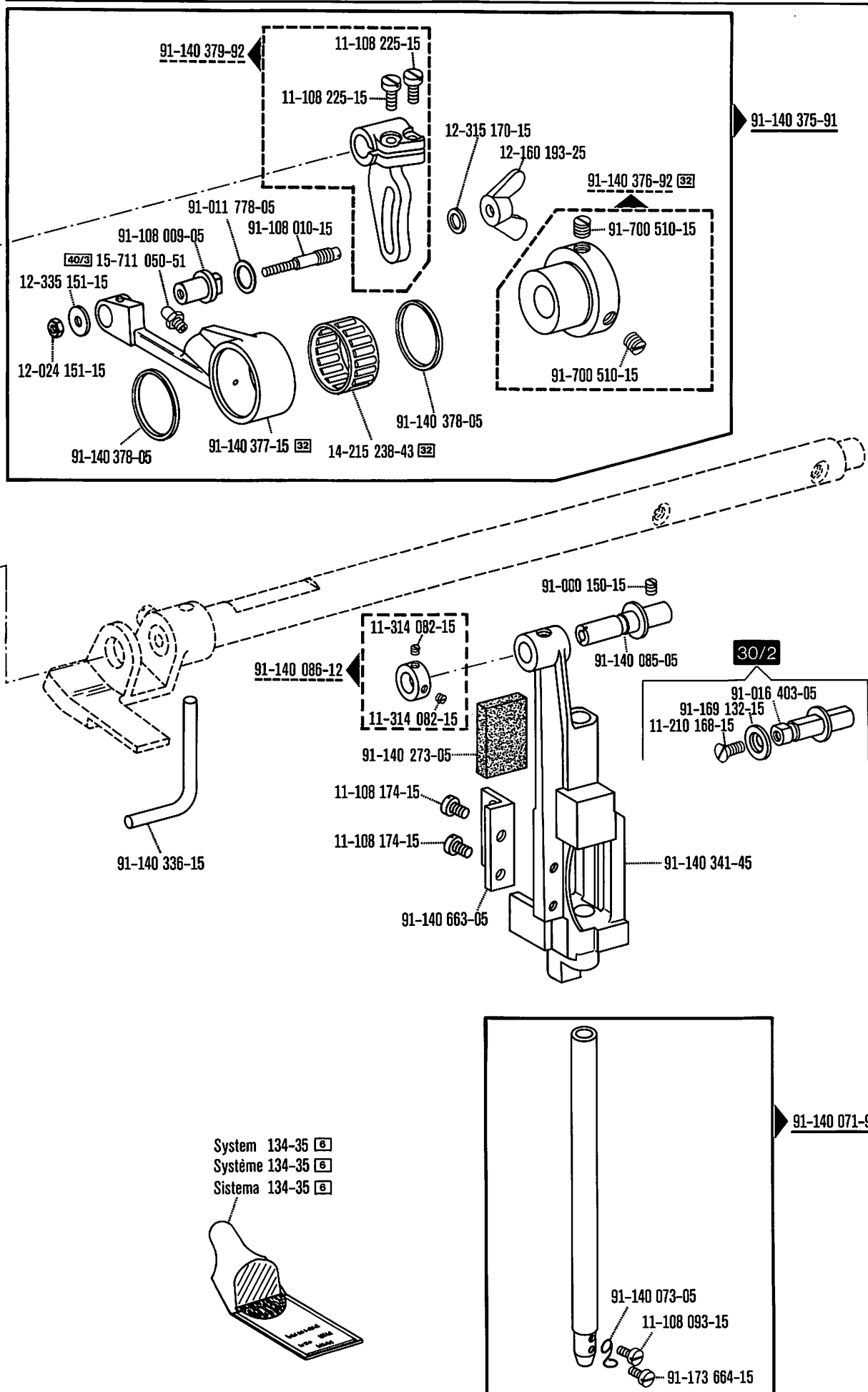
Para las piezas (órganos de costura) dependientes de la subclase véase "Dotación de Subclases"

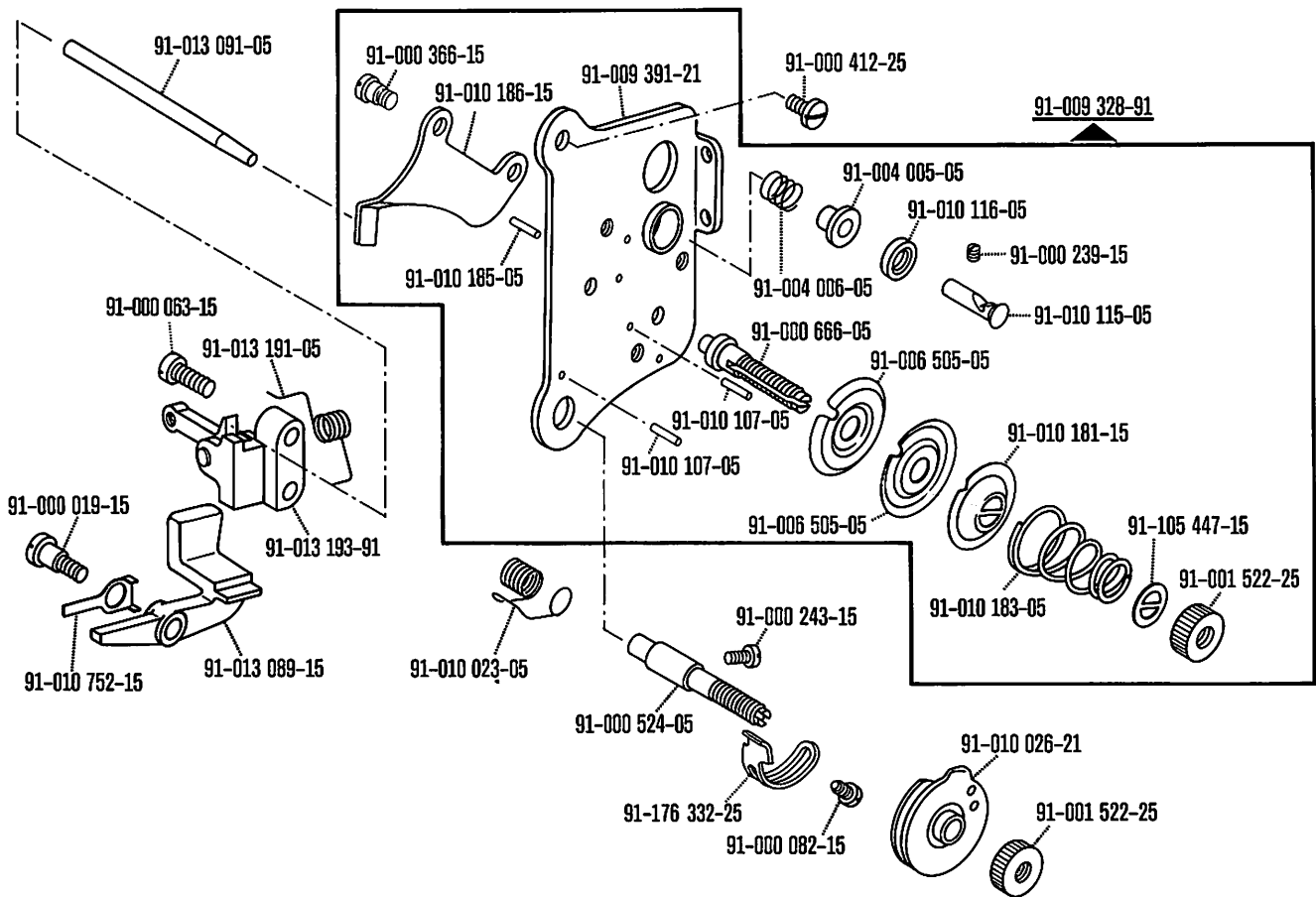
Teilebenennung Nomenclature Désignation de la pièce Denominación de la pieza	Bestellnummer Ordering number N° de c ^{de} N° de pedido	Unterklasse Subclass Sous-classe Subclase	Abgebildet auf Seite: See page: Voir page: Ilustrada en la pág.:
Spule	91-010 079-05		25, 105
Bobbin	91-018 339-05		37, 49, 51, 105
Canette	91-018 480-05	-900/56	64, 105
Canilla	91-118 308-05	-900/56	61, 105
	91-018 404-05	-706/47	50
Kapsellüfter	91-140 251-05		24
Bobbin case lever	91-140 252-05	-900/56	60
Dégageur de capsule	91-140 253-05		36, 48
Librador del hilo	91-140 255-05	-900/56	62
Fadenfänger	91-013 092-01	-900/56	60
Thread catcher	91-018 886-01	-900/11; -900/56	62
Attrape-fil	91-107 757-01	-900/11; -900/56	60
Cazahilos	91-140 726-01	-900/56	62
* Messer / Knife	91-013 094-05	-900/56	61
Couteau / Cuchilla	91-018 147-05	-900/56	64
* Befestigungsschraube zum Messer Fastening screw for knife Vis de fixation du couteau Tornillo para fijación de la cuchilla	11-130 907-15	-900/56	61, 64
Fadenklemme / Thread nipper Pince-fil / Pinza sujetahilos	91-113 480-91	-900/56	61, 64
Magnet / Solenoid Electro-aimant / Electroimán	71-17 00-0131	-900/56	66, 67
Klemmschraube zur Nadelstange Needle bar clamp screw Vis de serrage pour la barre à aiguille Tornillo de sujeción para la barra de aguja	11-174 176-15		17, 31, 39
* Nadelbefestigungsschraube Needle set screw Vis de fixation de l'aiguille Tornillo de sujeción de la aguja	91-173 664-15		19, 29, 40
	11-330 082-15	-6/07	29
Nadelstangenschwinge Needle bar frame Cadre de barre à aiguille Balancin de la barra de aguja	91-140 341-45		19, 29
	91-140 390-45	-706/35; -706/47; -706/48	40
	91-141 097-92		54
* Befestigungsschraube zum Stoffschieber Fastening screw for feed dog Vis de fixation de griffe Tornillo para fijación del transportador	91-000 407-15		25, 36, 48
* Befestigungsschraube zur Stichplatte Fastening screw for needle plate Vis de fixation de plaque à aiguille Tornillo para fijación de la placa de aguja	91-000 422-25		25, 36, 48
* Nadeln System 134-35 [6] / Needle system [6] Aiguille système 134-35 [6] / Aguja sistema [6]			19, 29, 40
* Nadeln System 190 [6] / Needle system 190 [6] Aiguille système 190 [6] / Aguja sistema 190 [6]		-706/47; -706/48	40
Gelenkbolzen / Hinge stud	91-140 085-05		19, 29, 40
Boulon d'articulation / Perno articulado	91-141 010-05		54
Sprungschalter / Micro switch Fin de course / Interruptor de final	71-12 00-0025		66, 74, 80, 81, 92
* Kohlebürste H46 Carbon brush H46 Balai de charbon H46 Escobilla H46	71-23 00-0118		66, 110

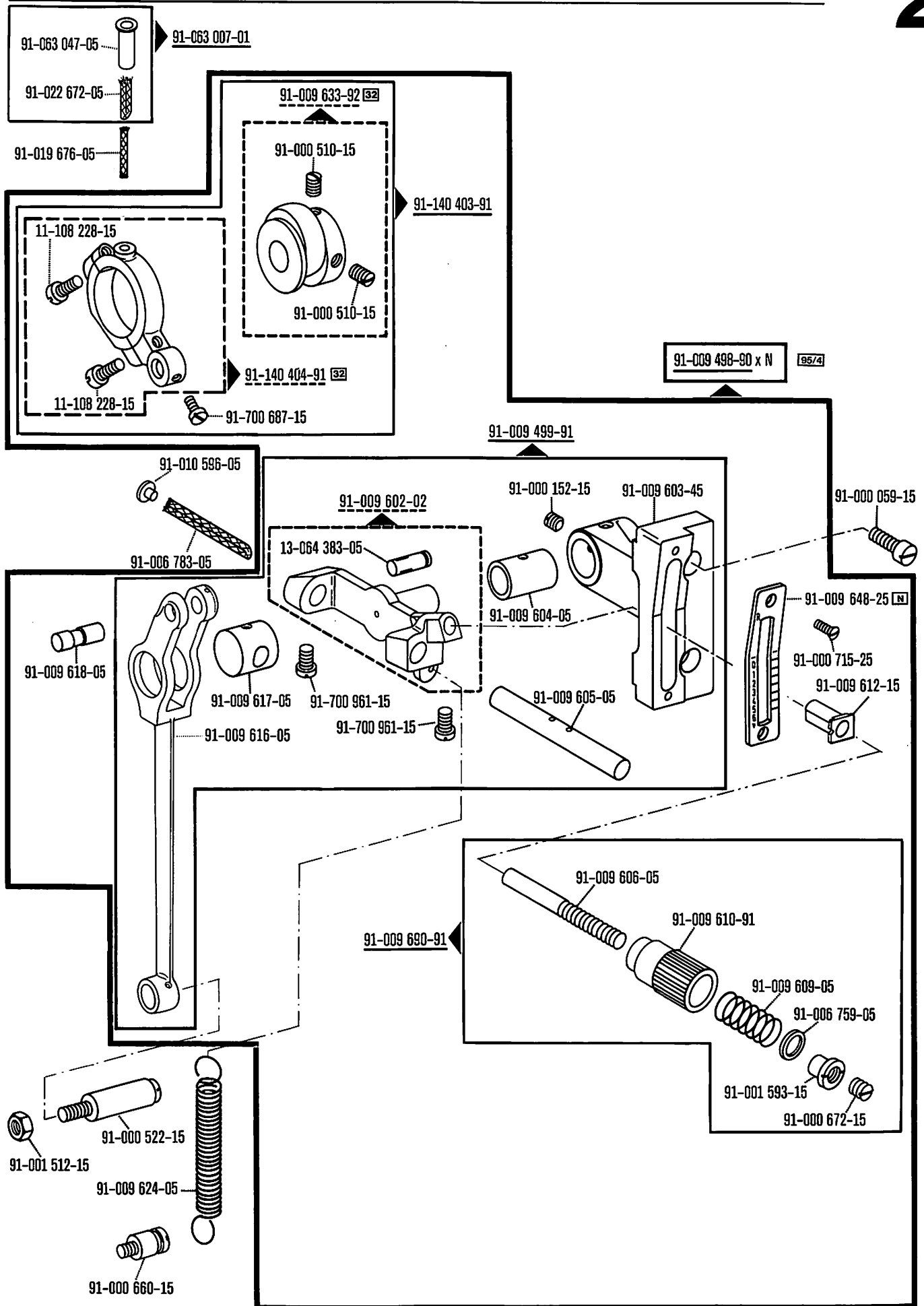
			Bestellnummer für Behälter mit: Ordering number for can containing: Numéro de commande pour récipients avec: Número de pedido para recipientes con:					
	Liter Litre Litro	Kg	Techn. Weißöl White oil Huile blanche Aceite blanco	Sewtrol EL	Shell-Tellus C 22	Shell-Alvania R 3	Shell-Retinax G	Molykote M 55 plus
	0,09		91-129 569-91		91-129 138-91			
	0,25				91-129 916-91			
	1		91-129 452-91	91-129 941-91	91-129 917-91			
	5		91-129 456-91		91-129 919-91			
	10		91-129 541-91		91-129 920-91			
		1				280-1-120 247		
		0,5					280-1-120 243	
		1						280-1-120 205

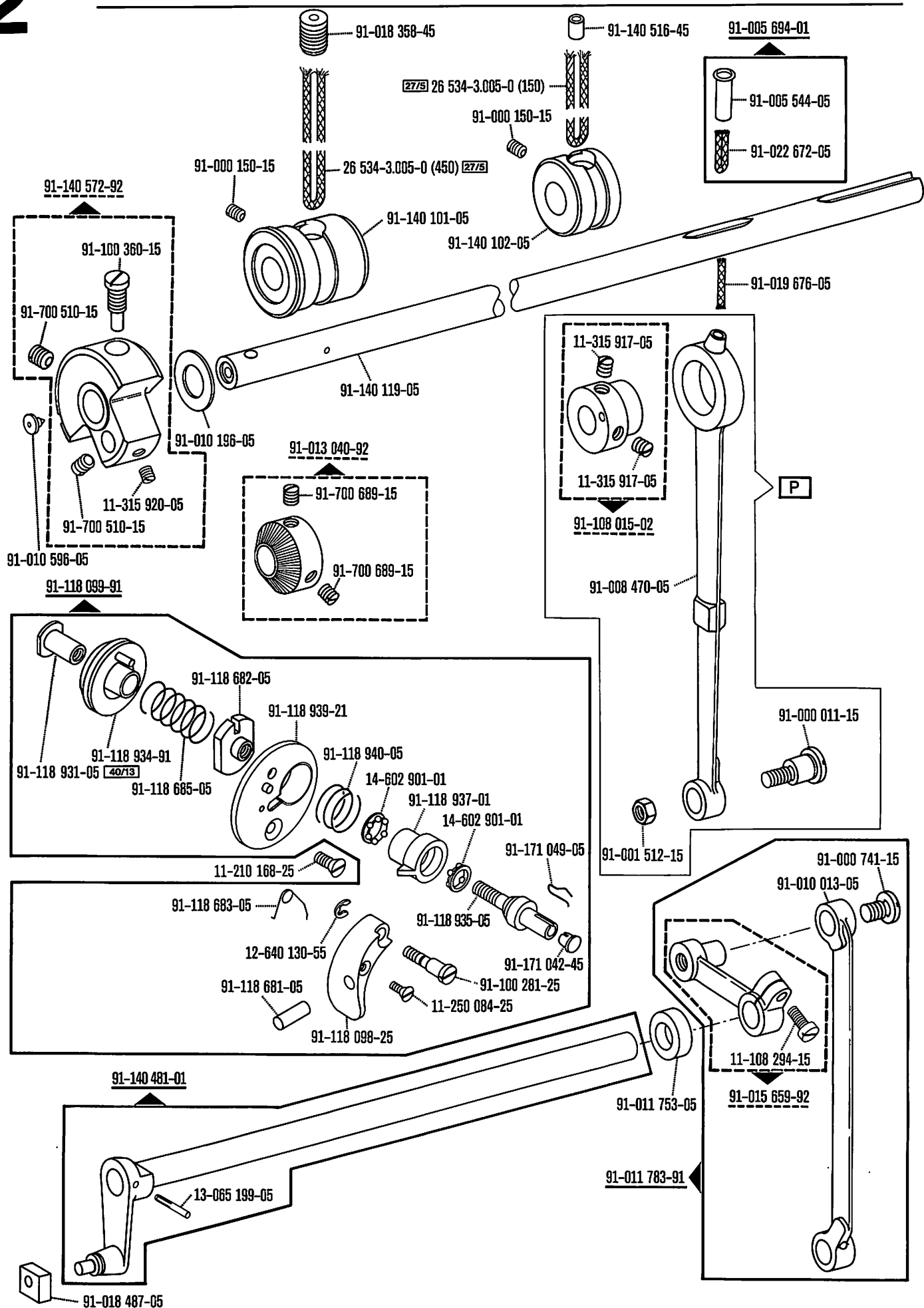


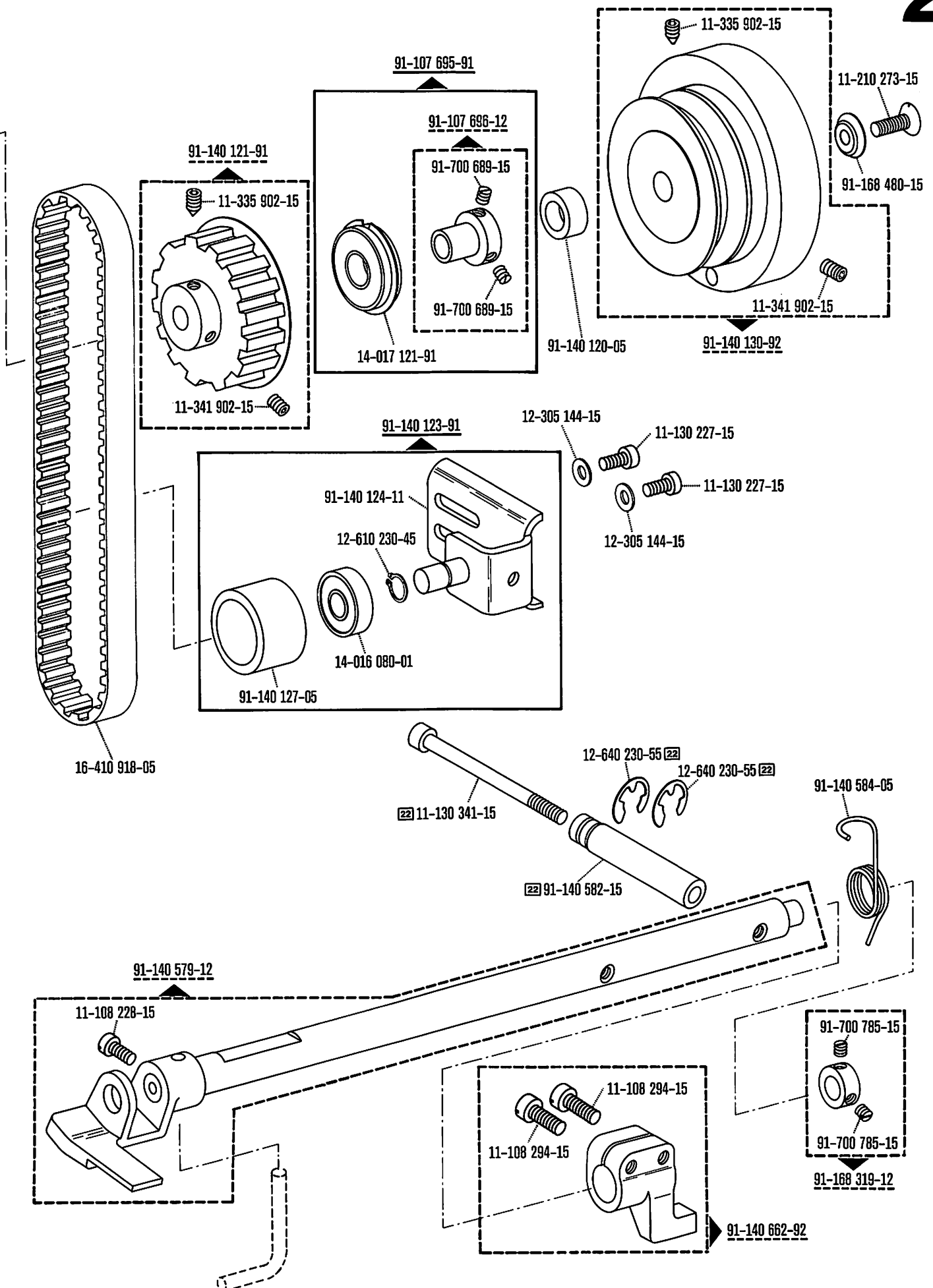


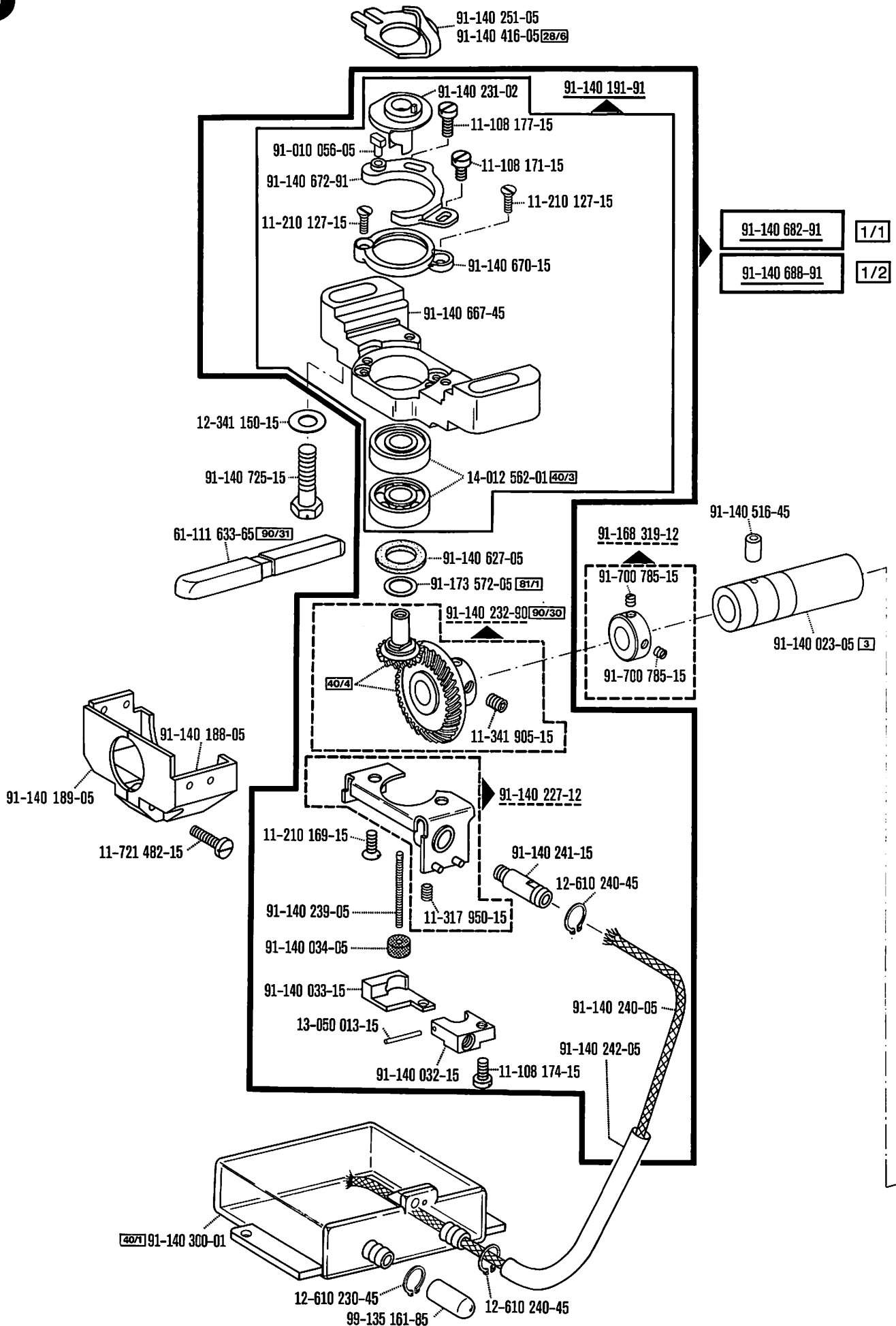


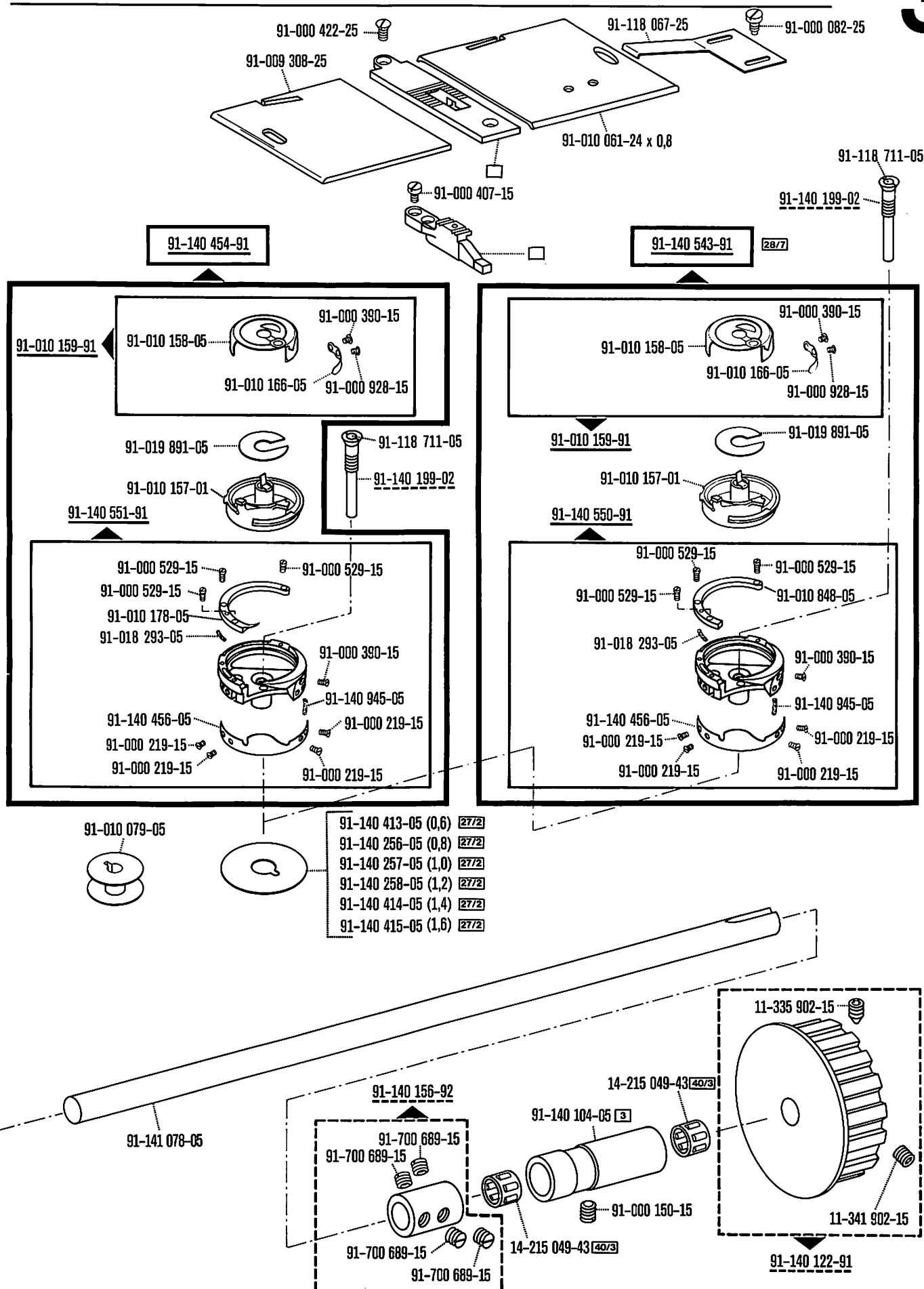


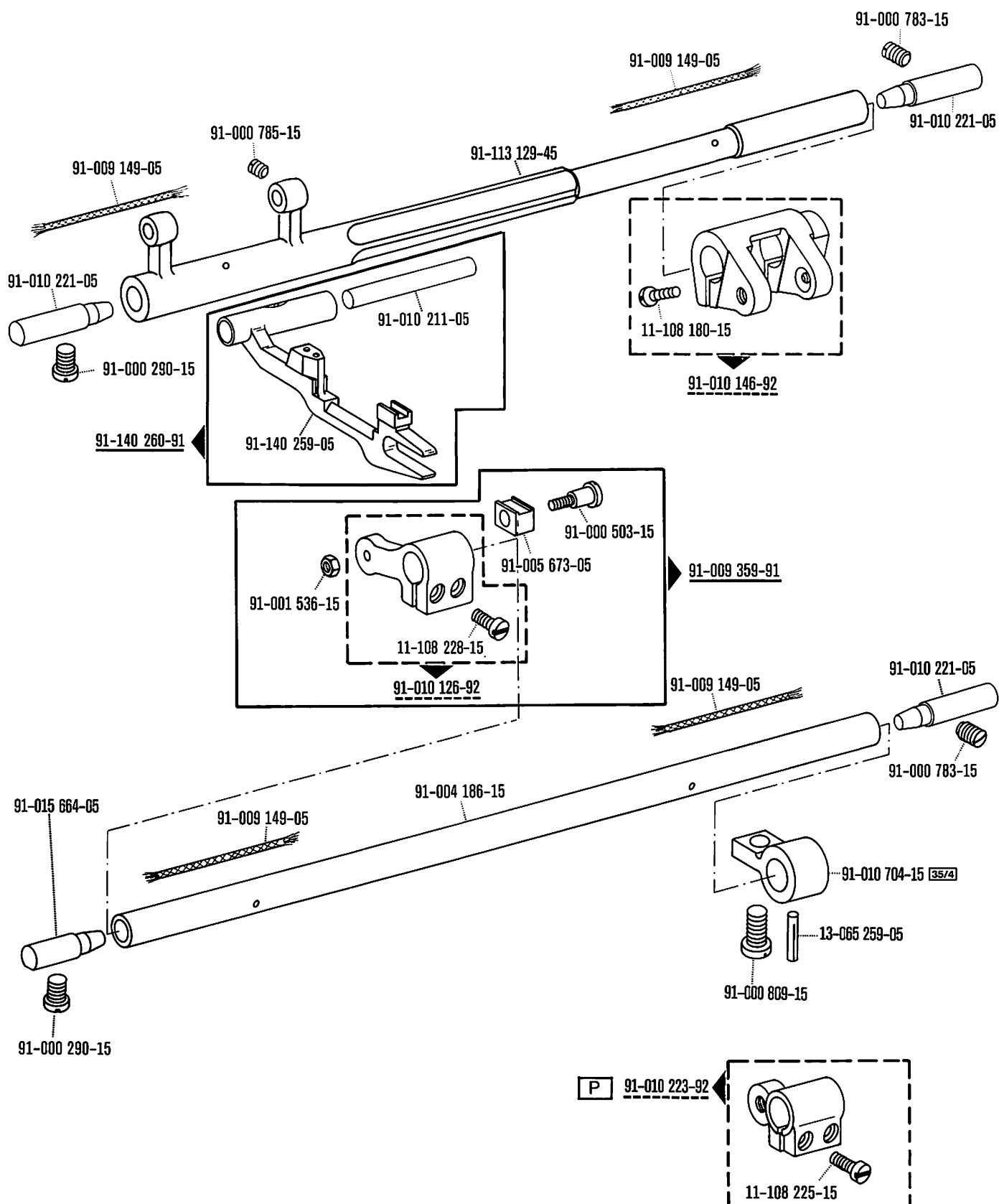


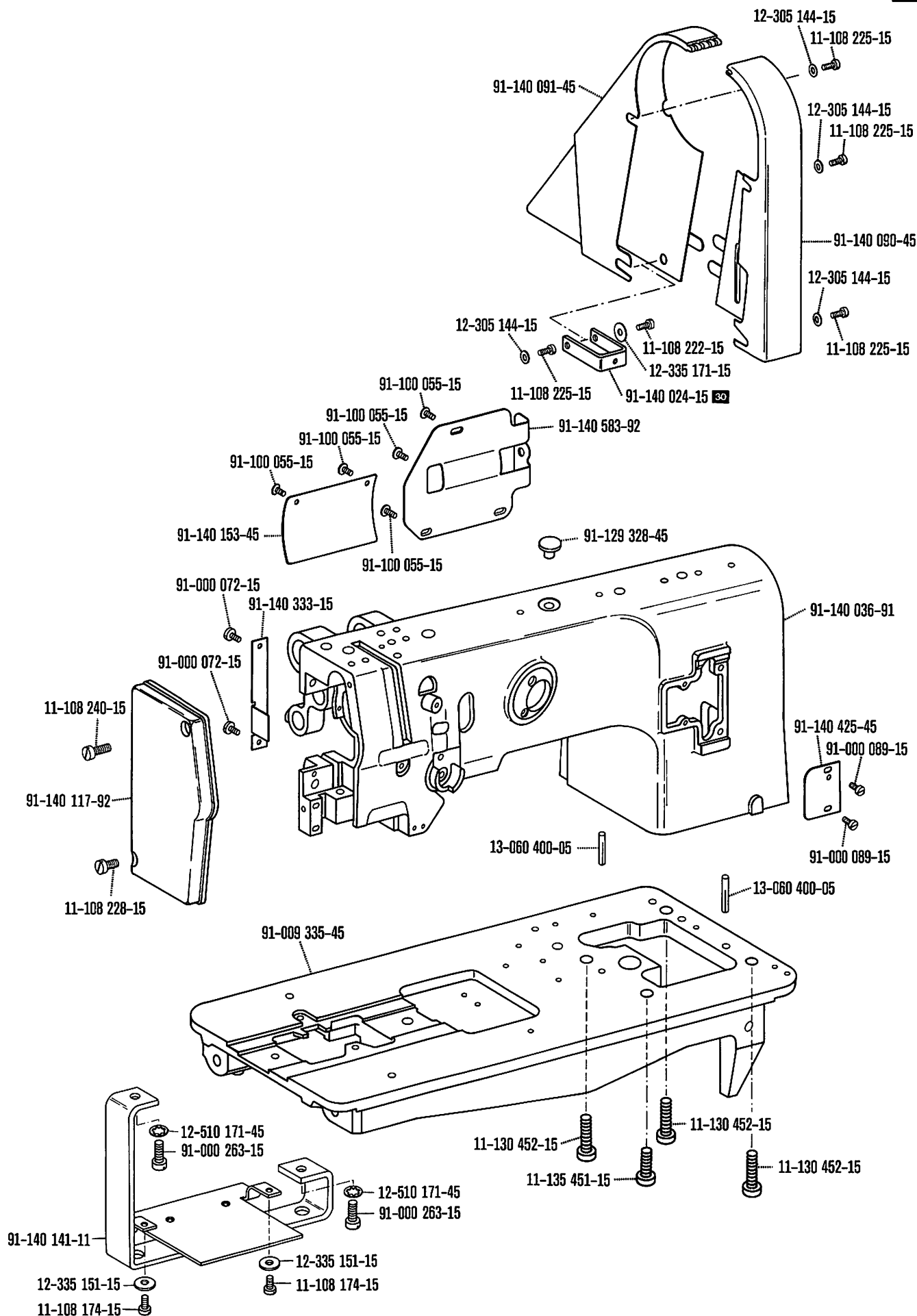


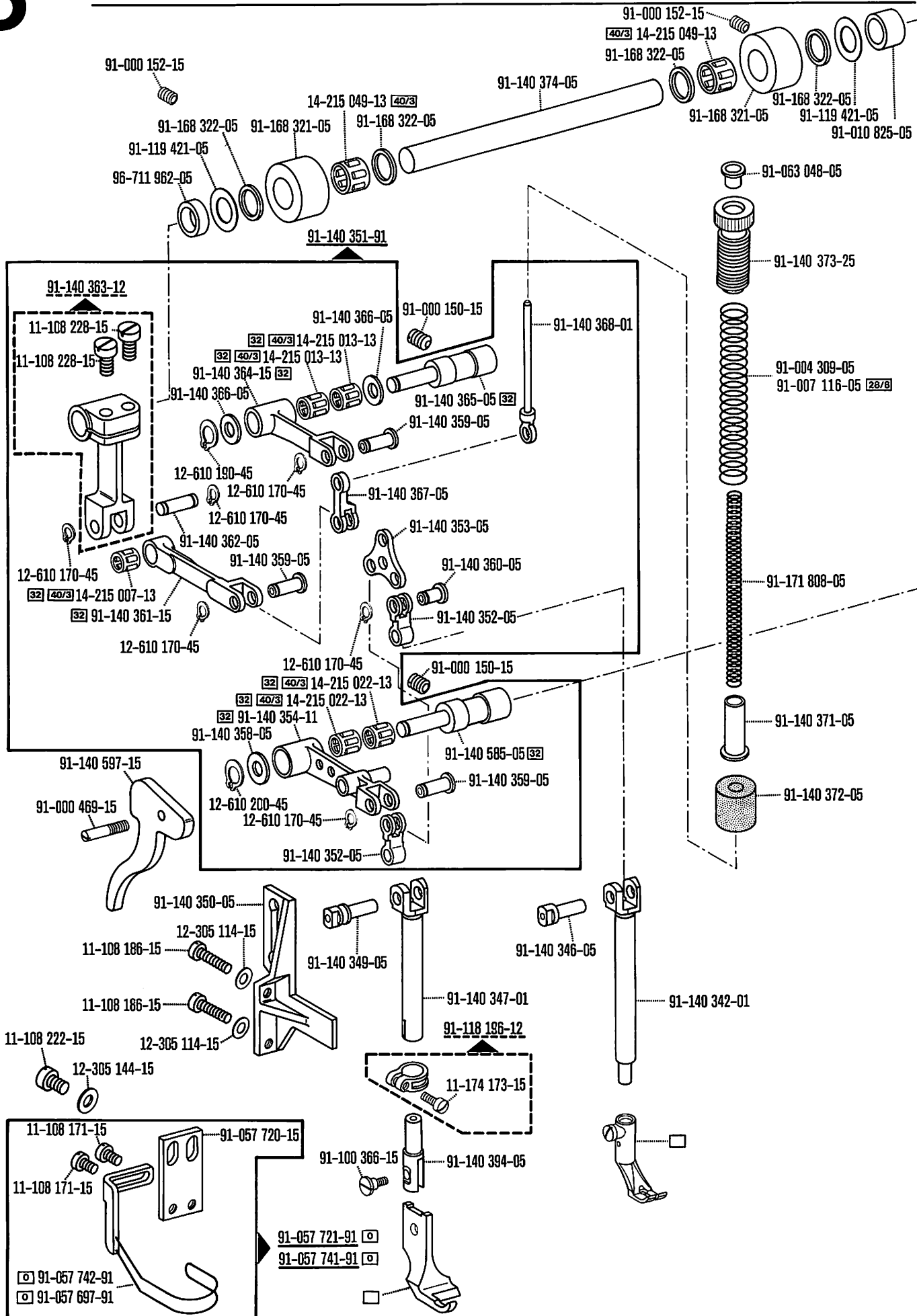


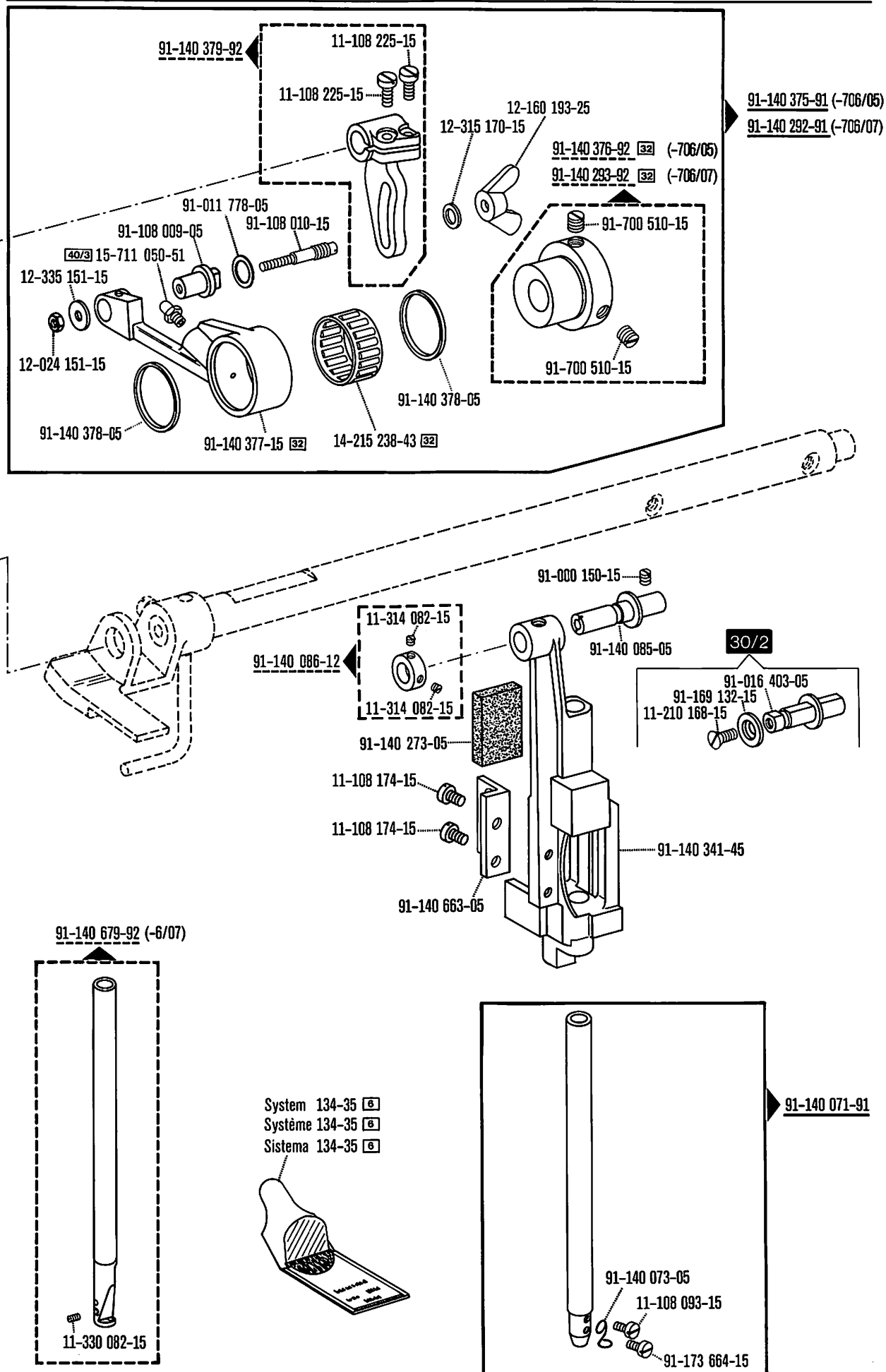


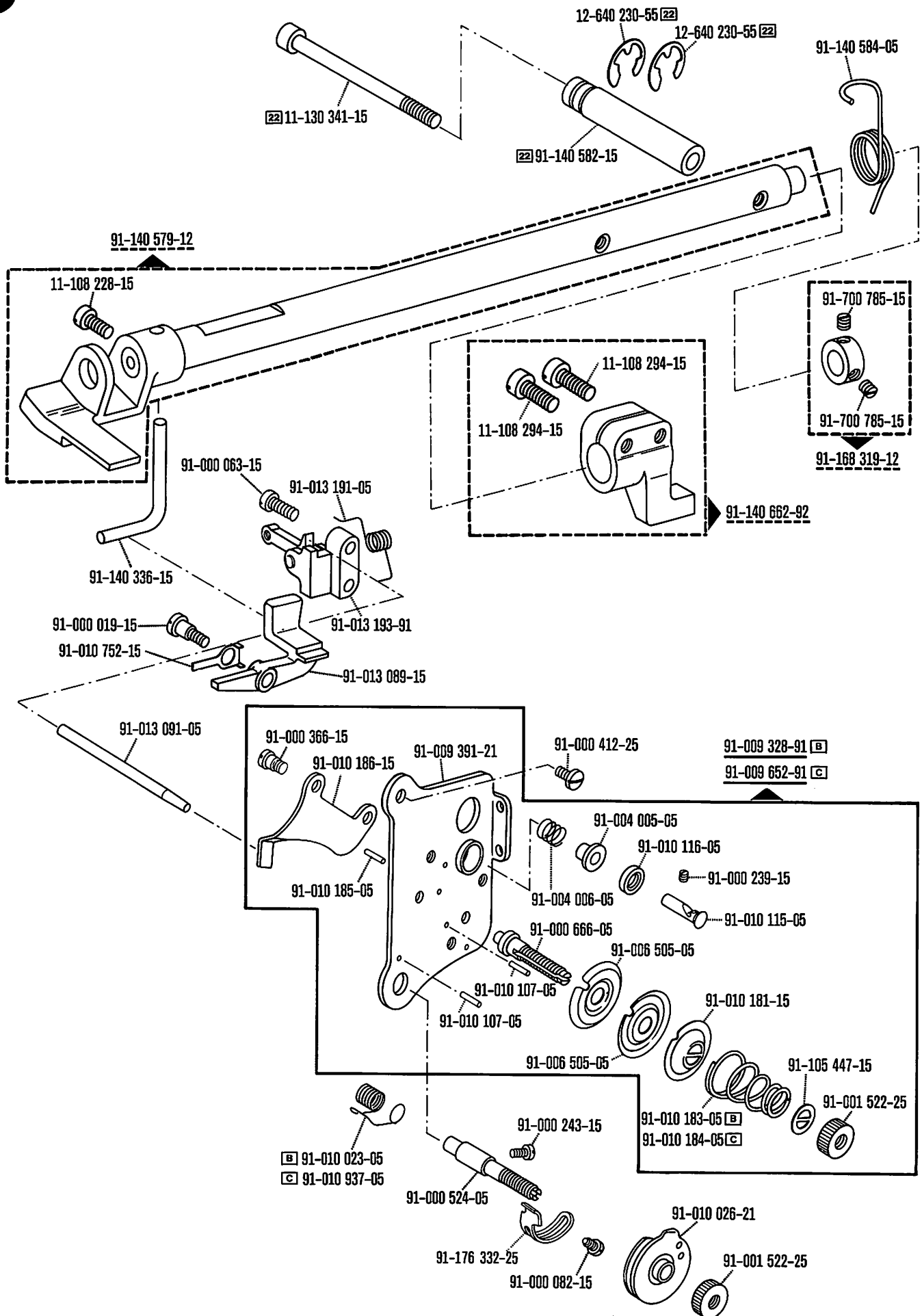


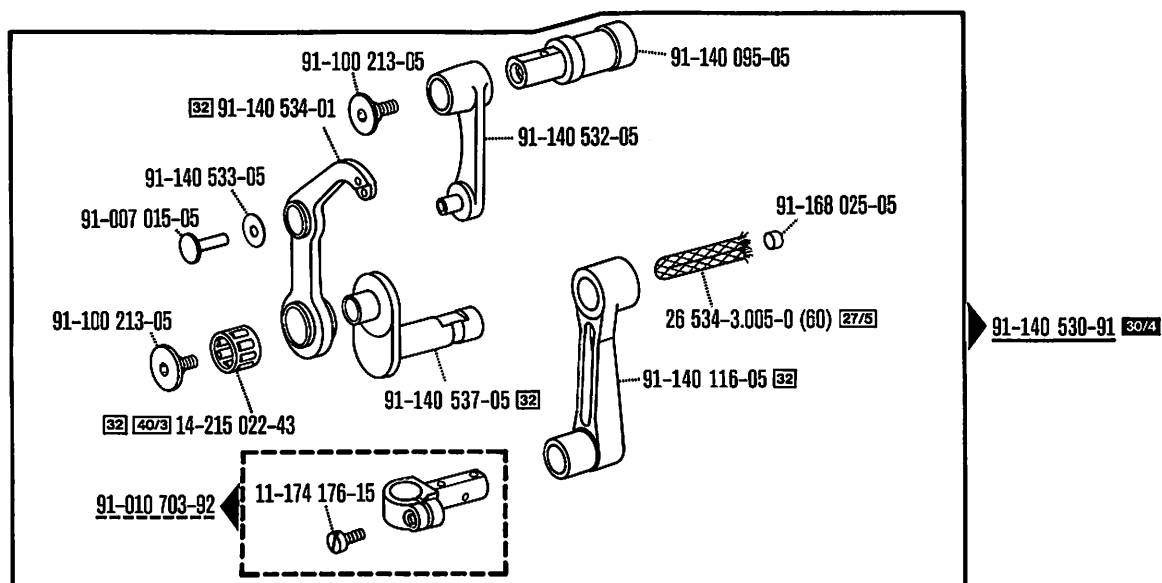
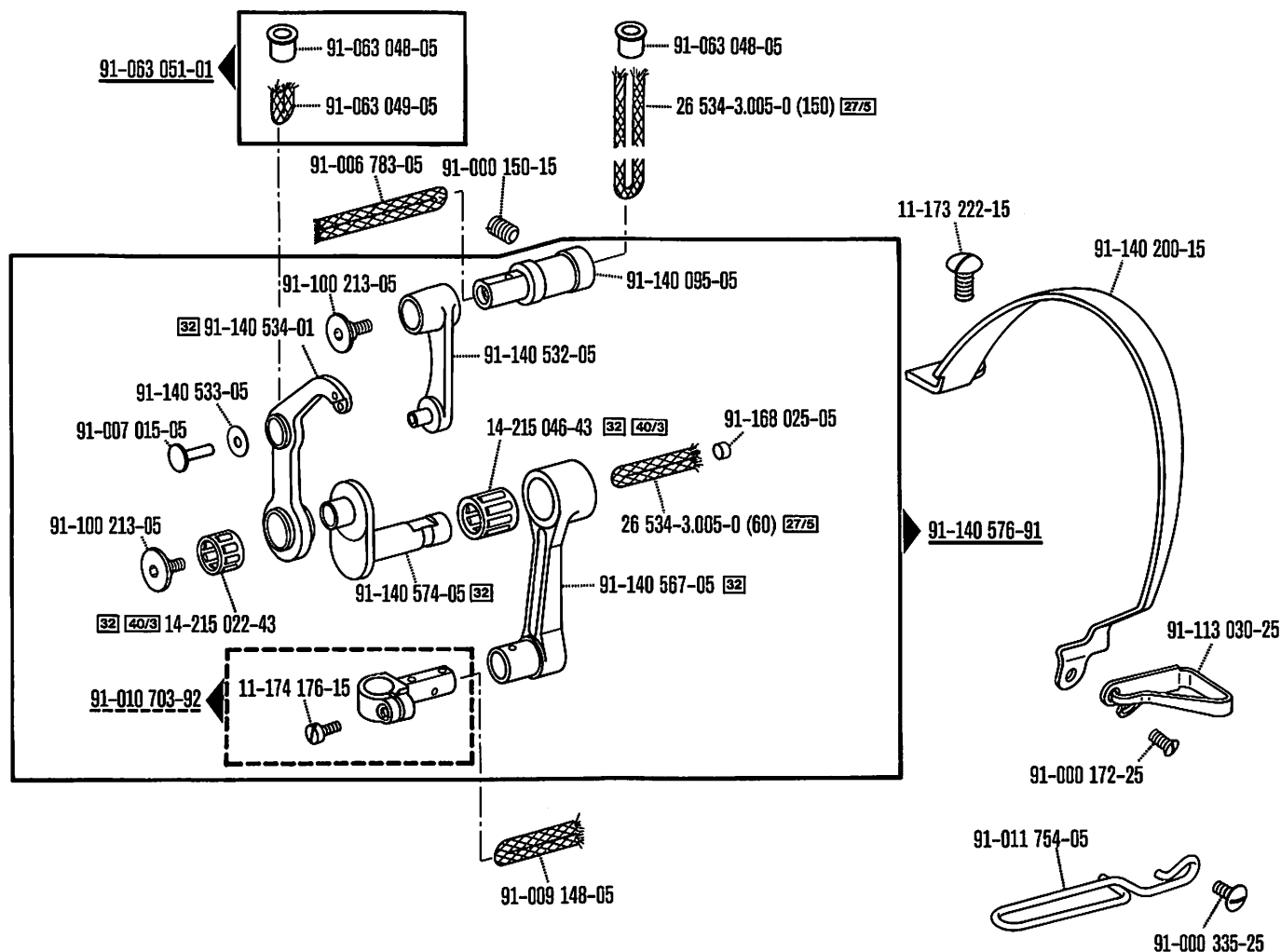


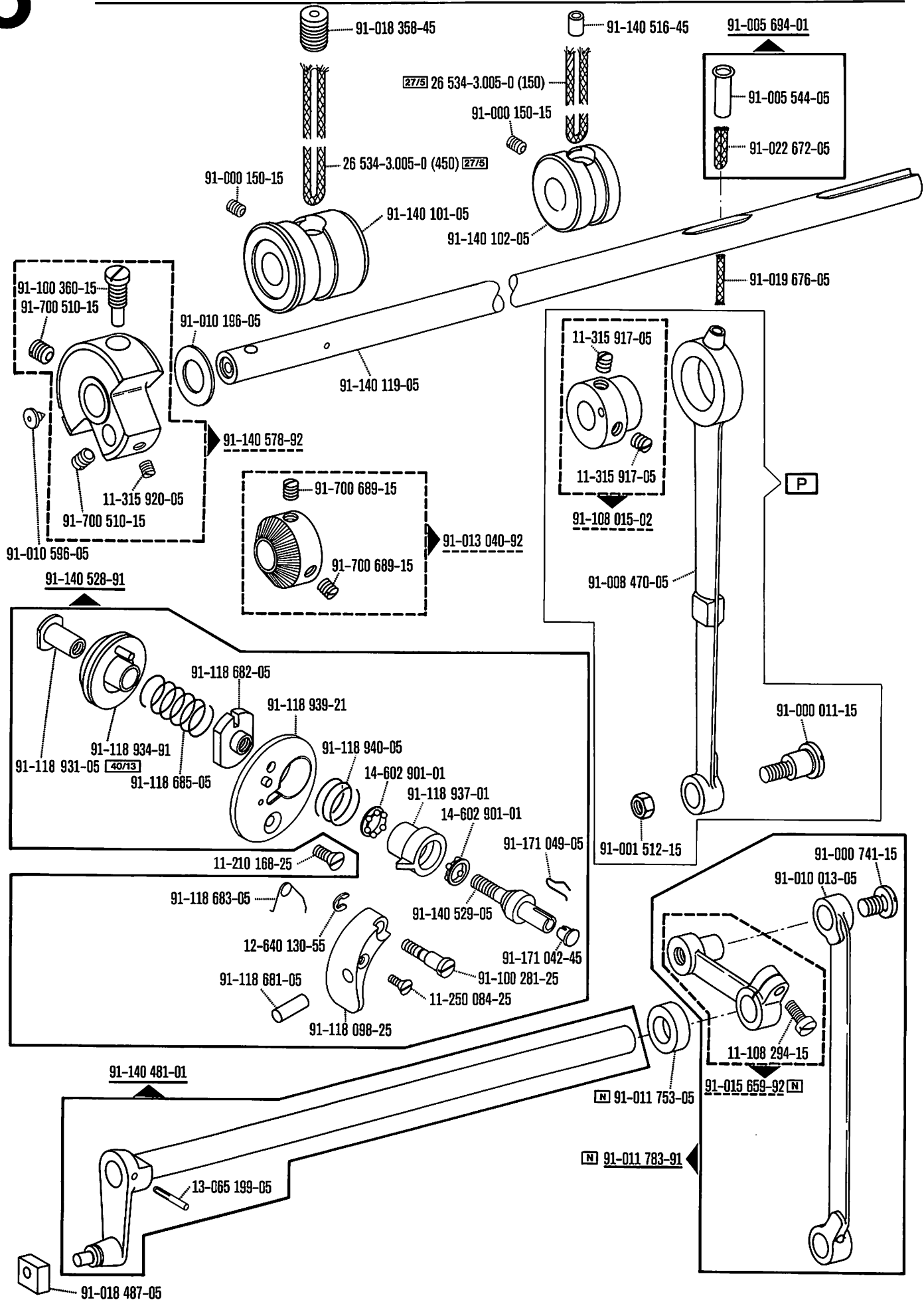


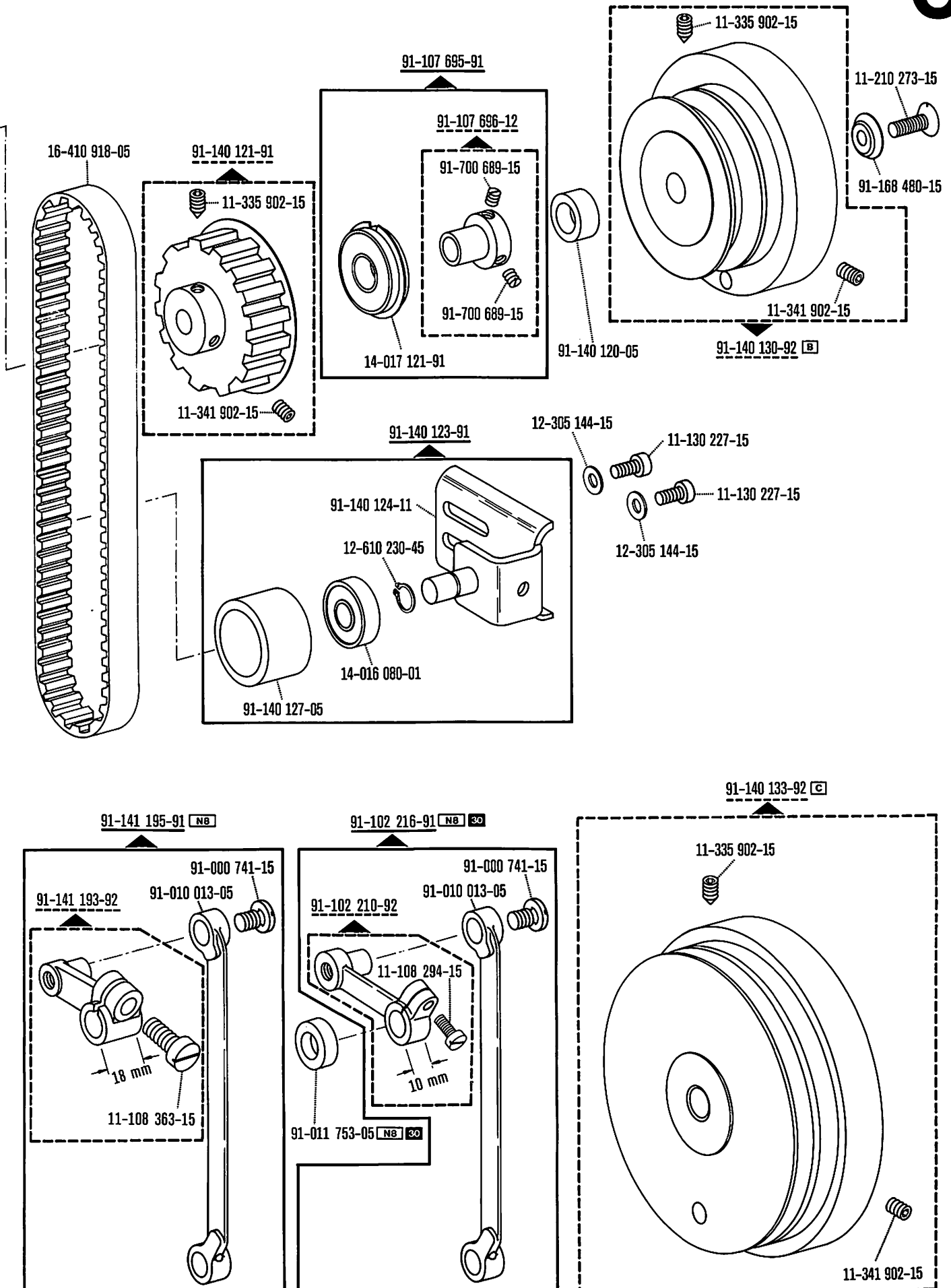


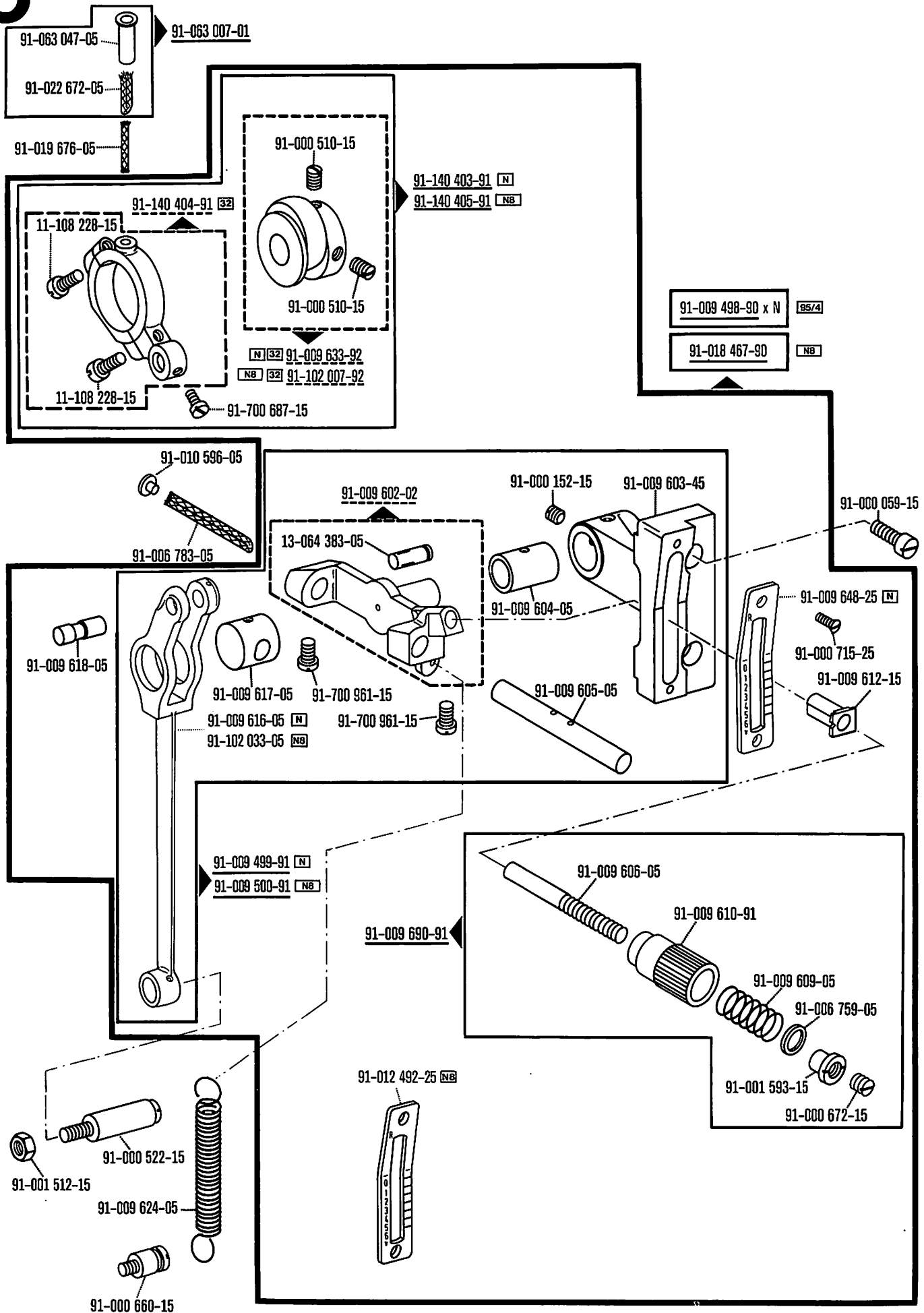


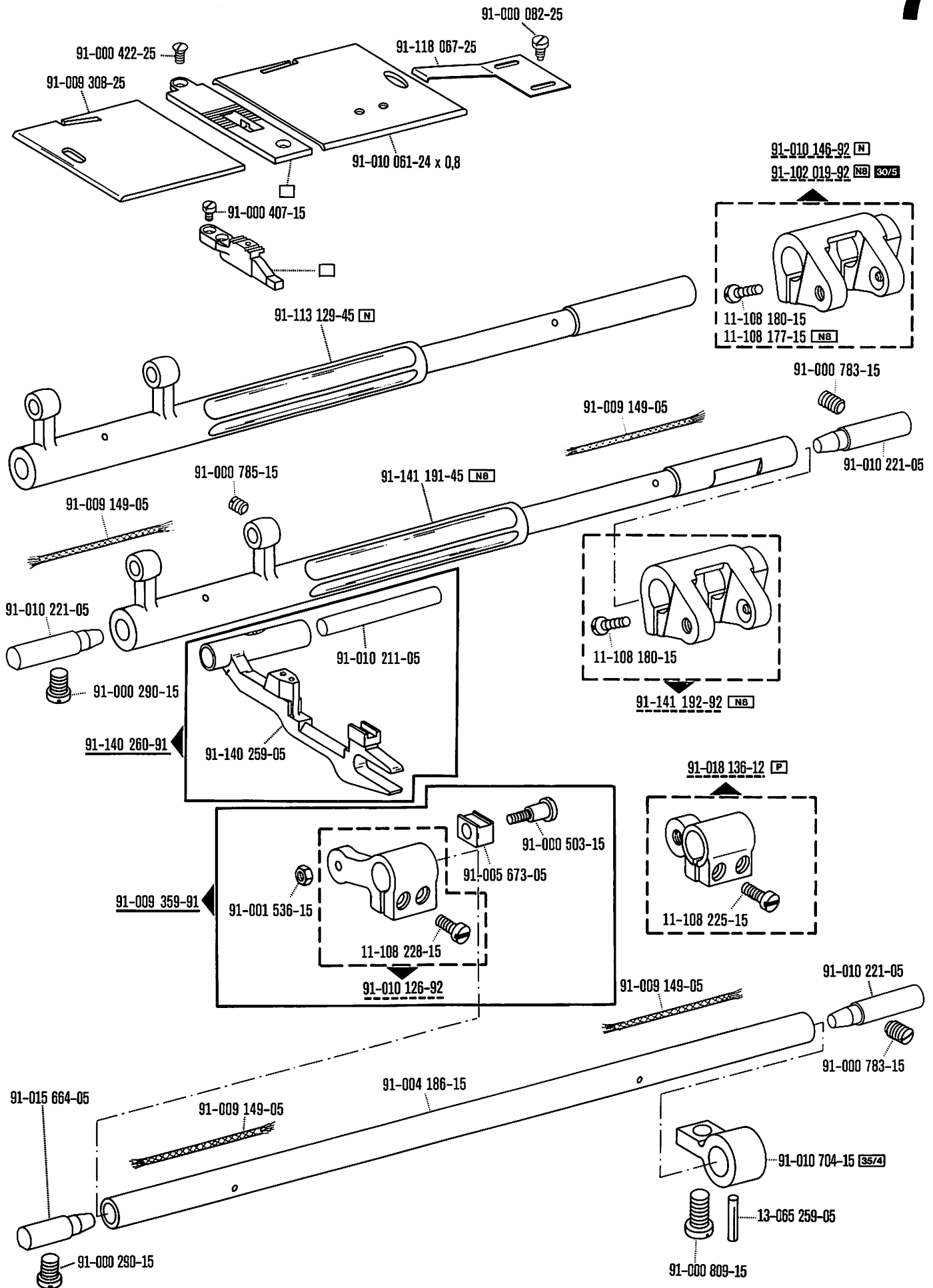


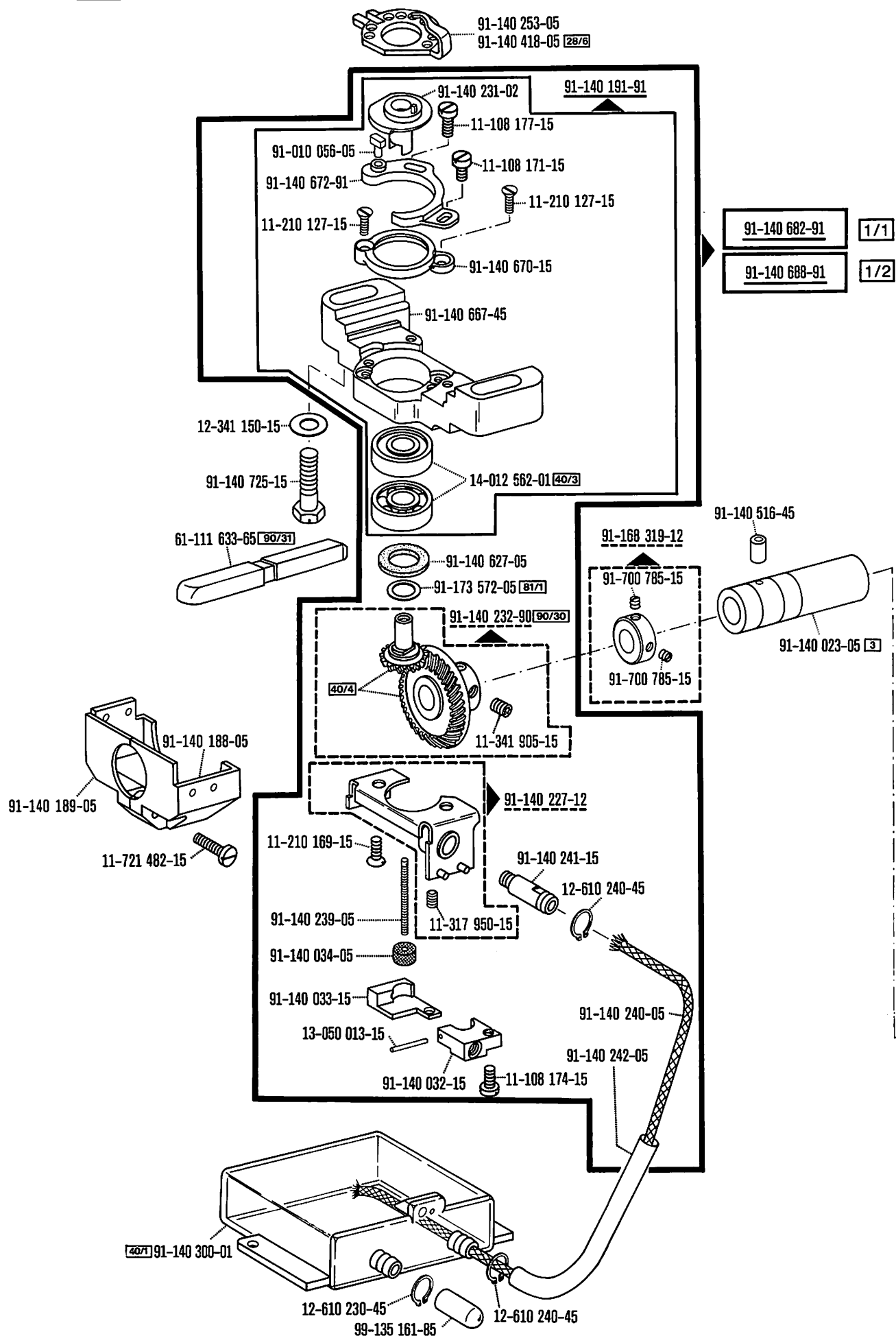


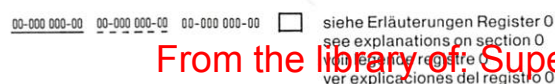


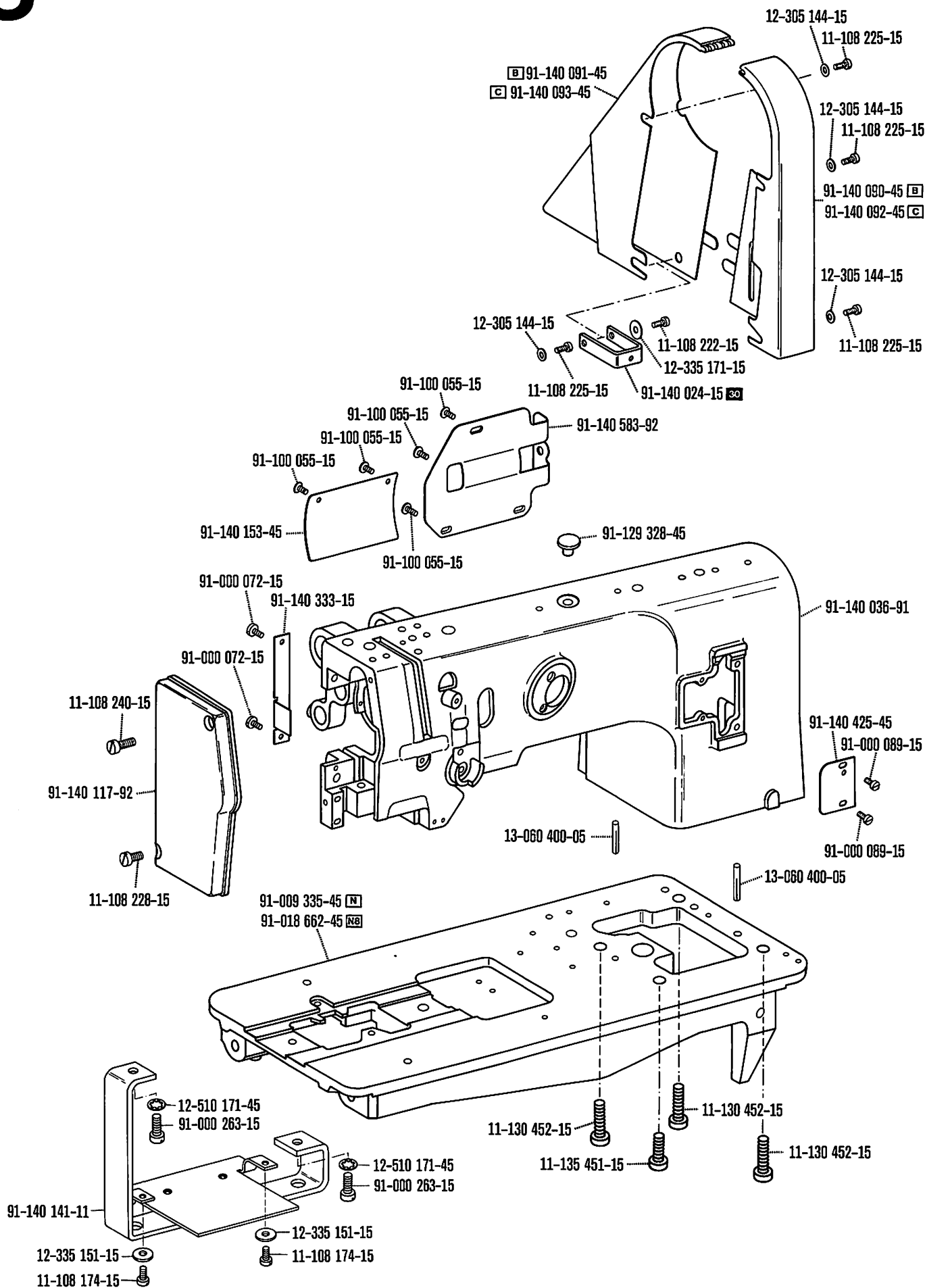


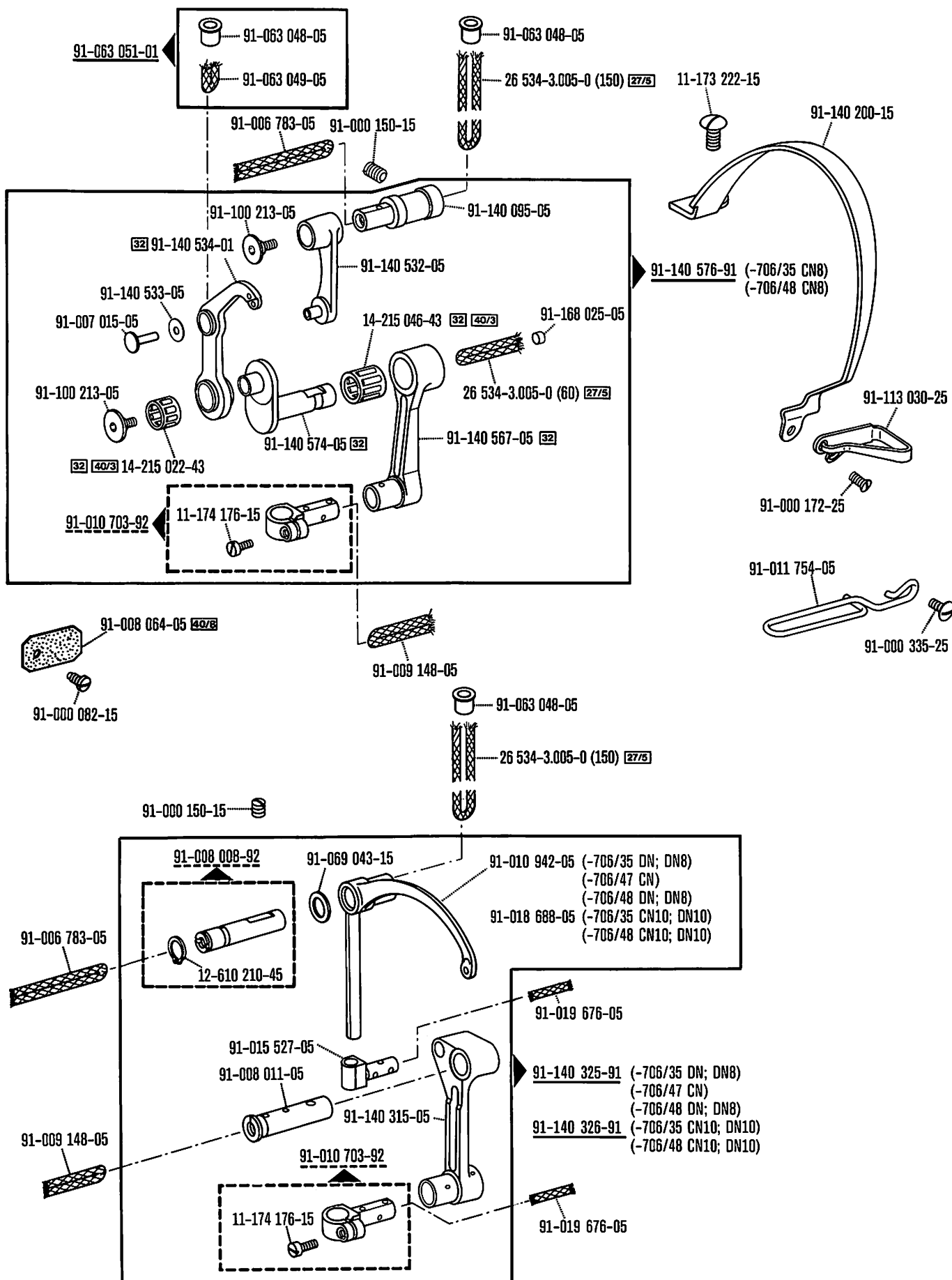




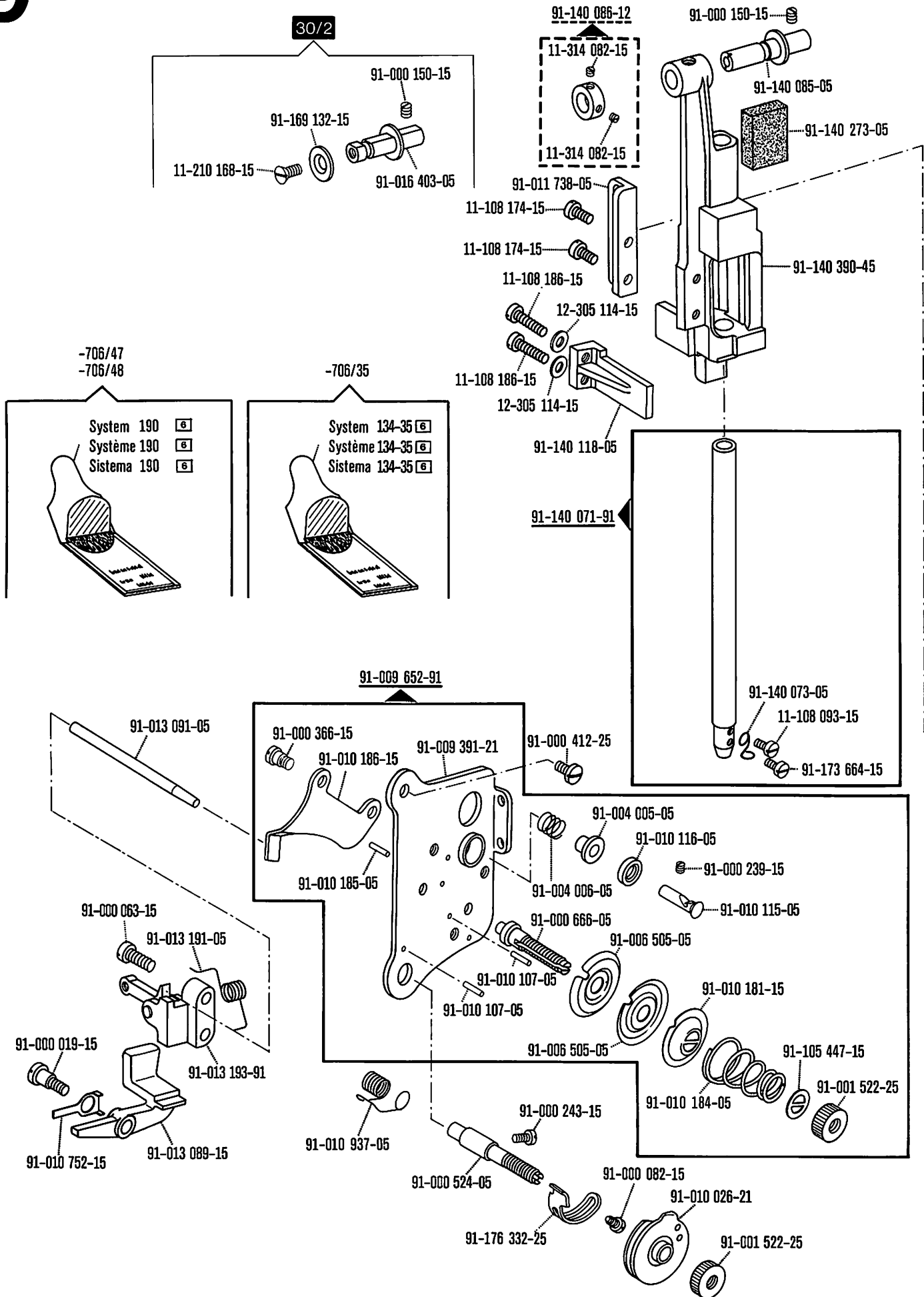


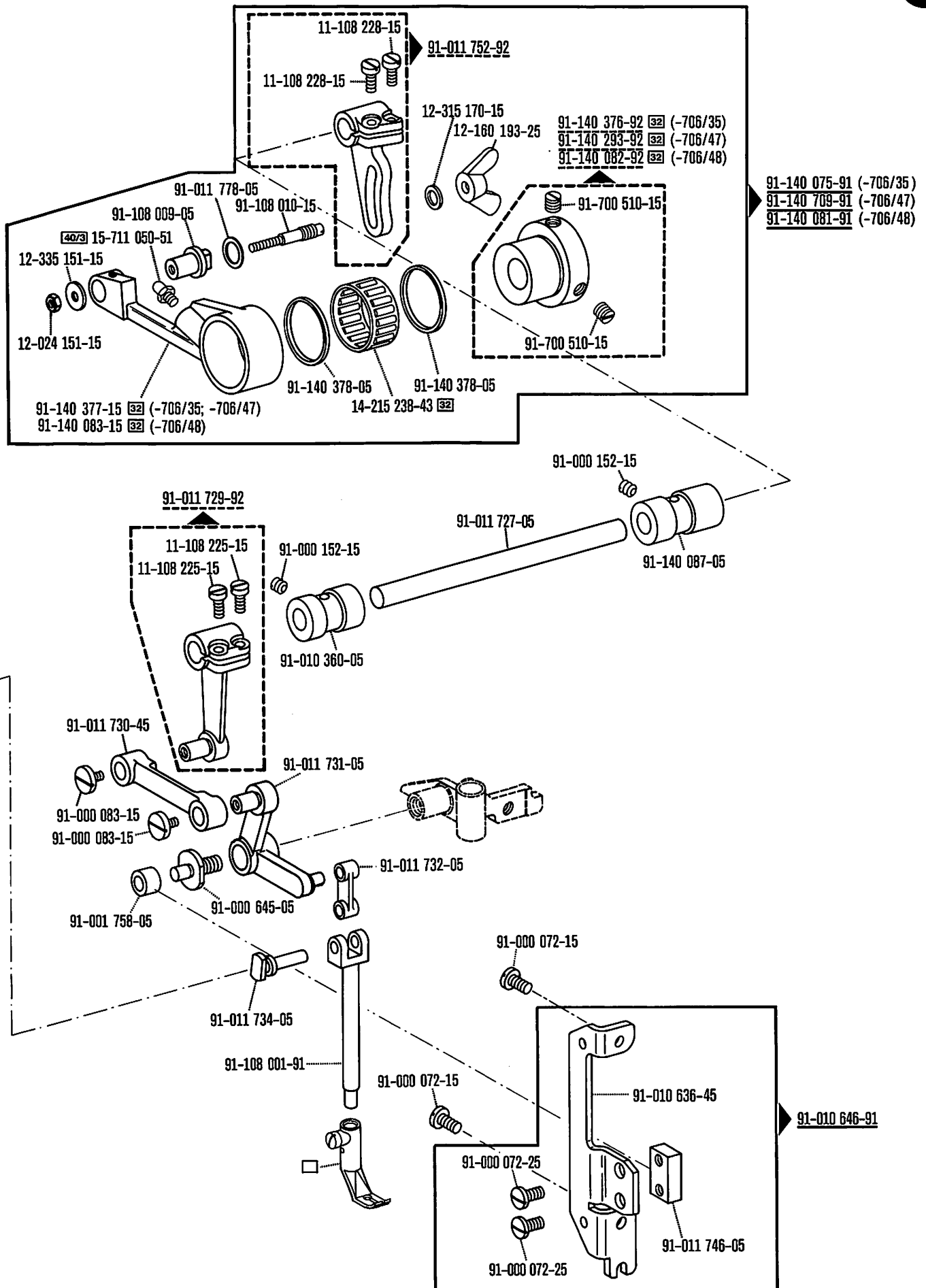


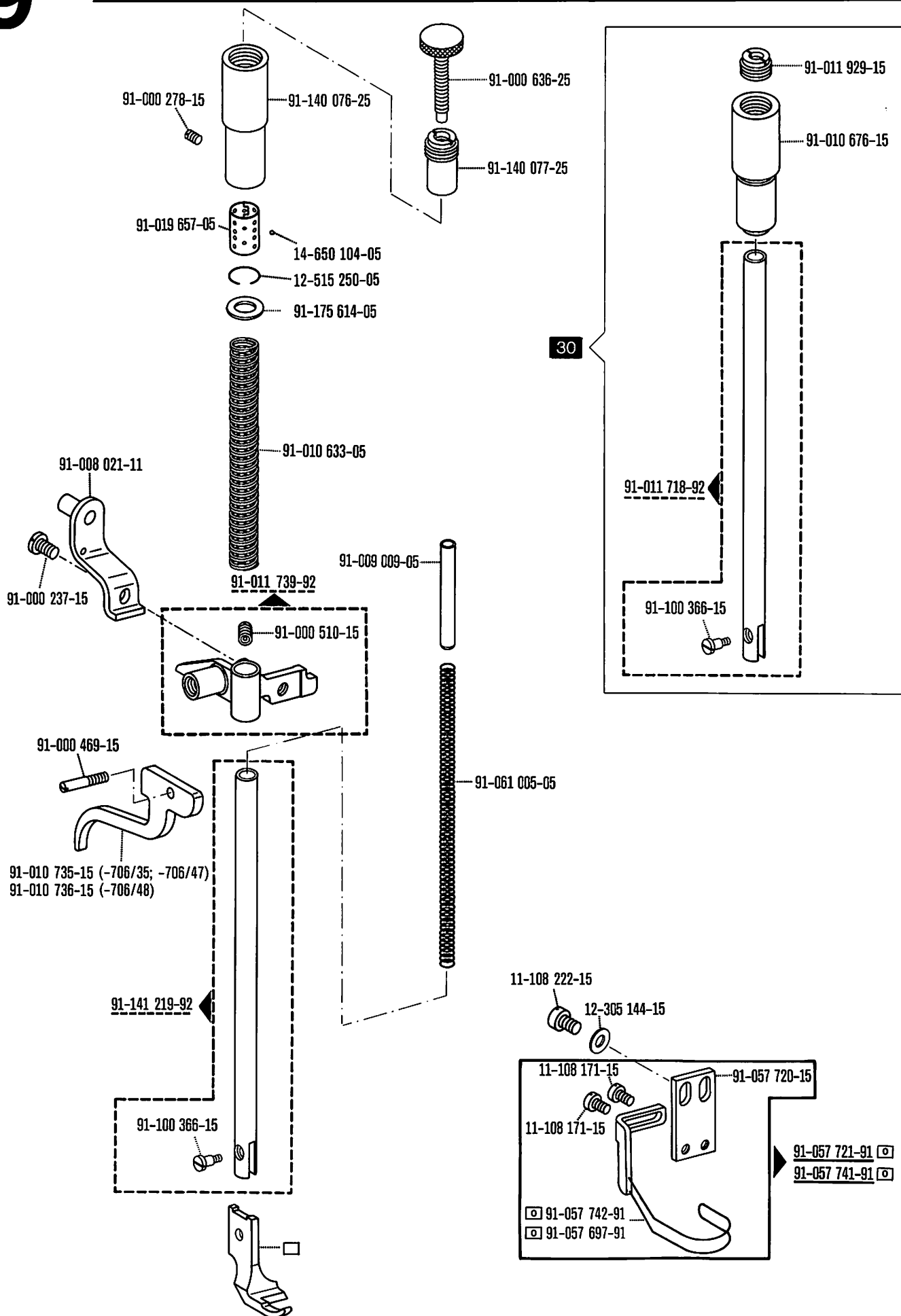


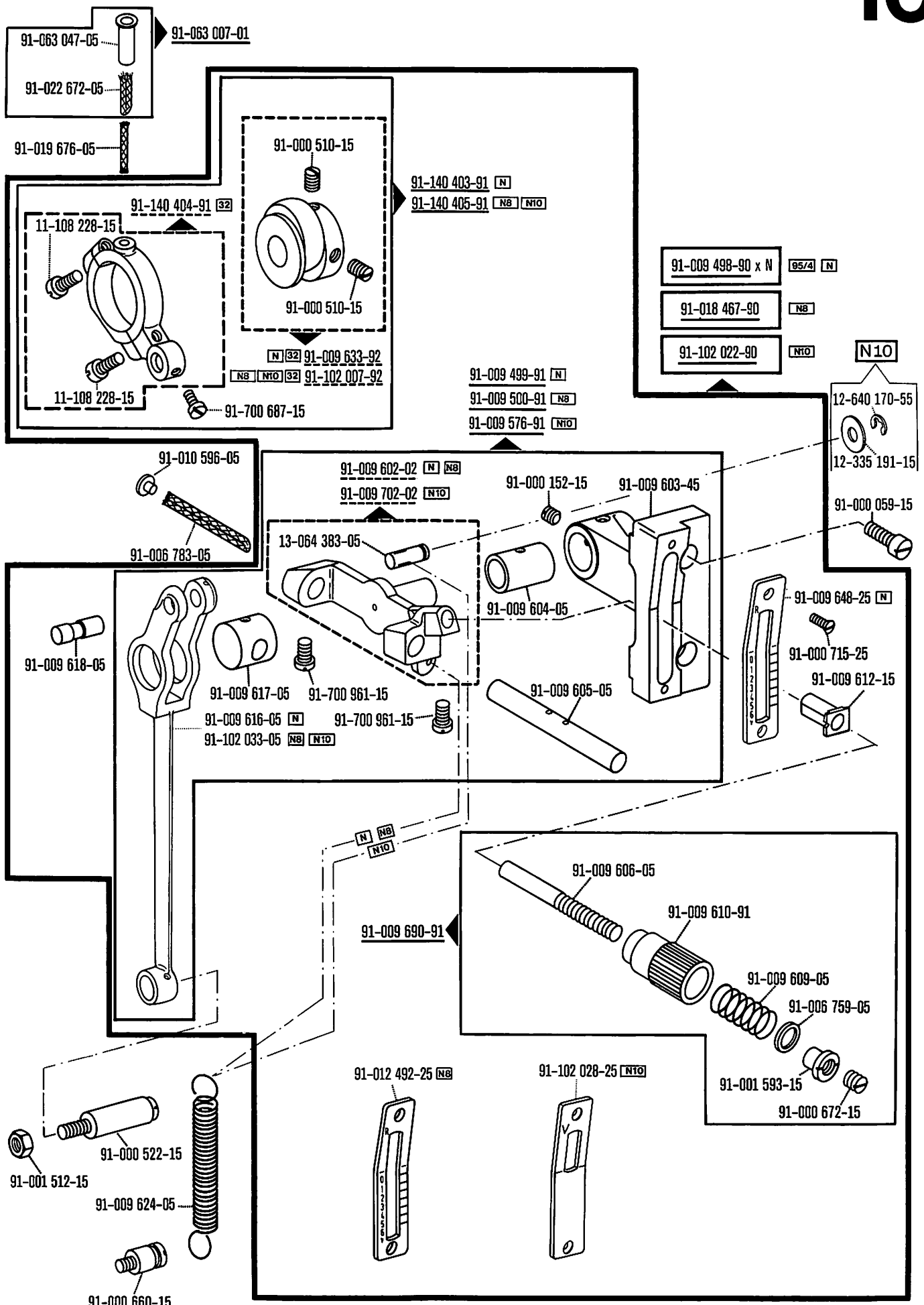


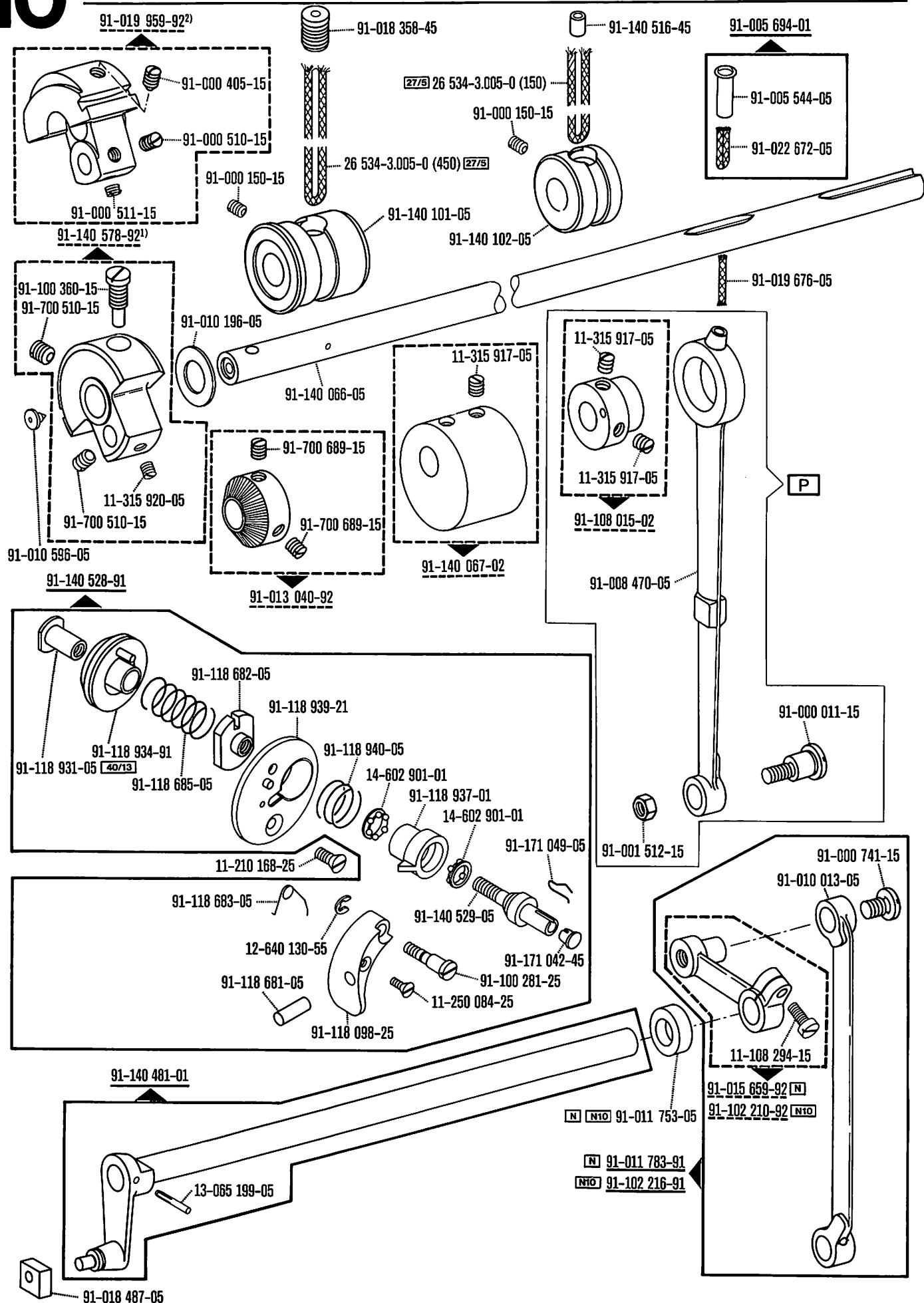
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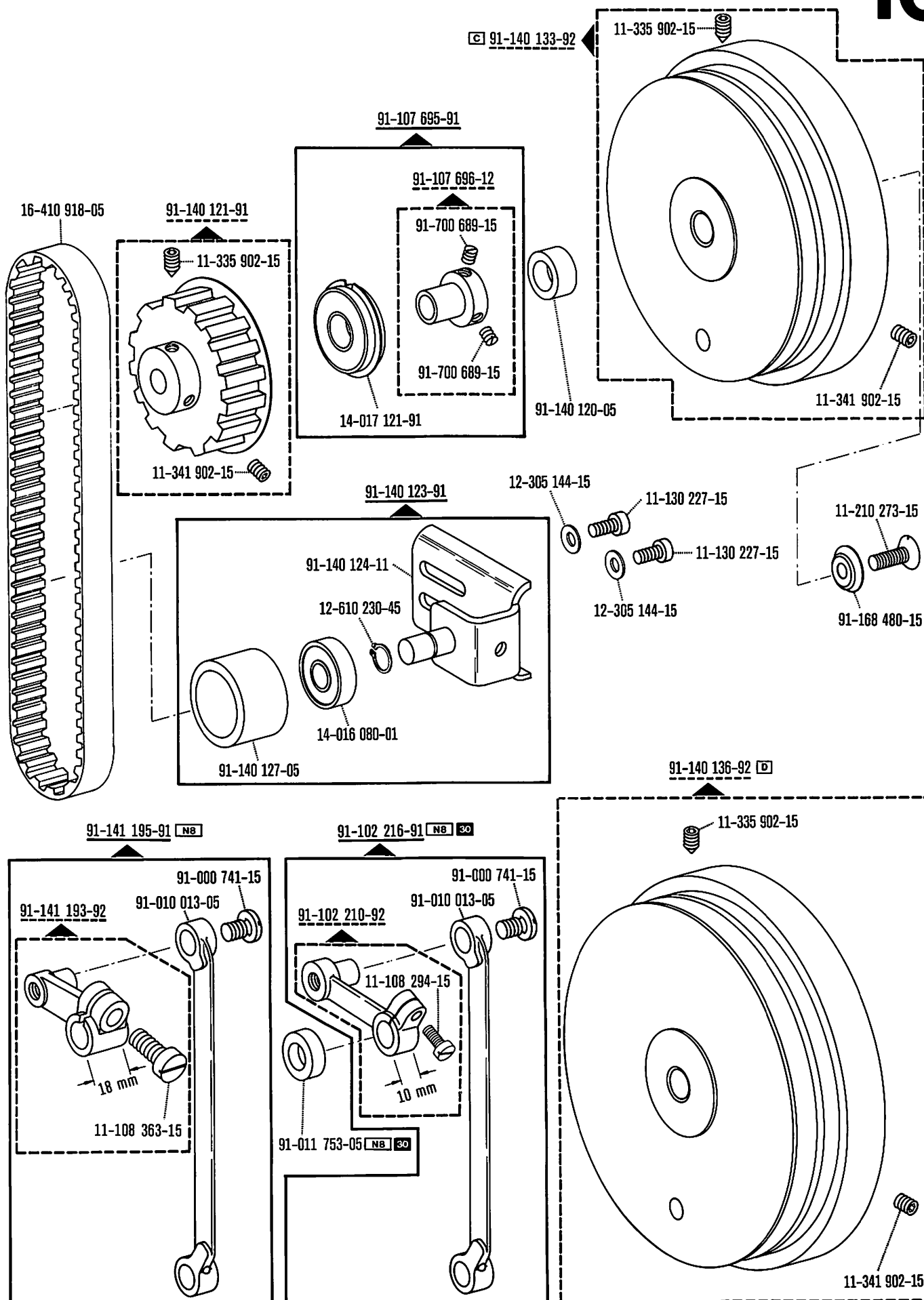


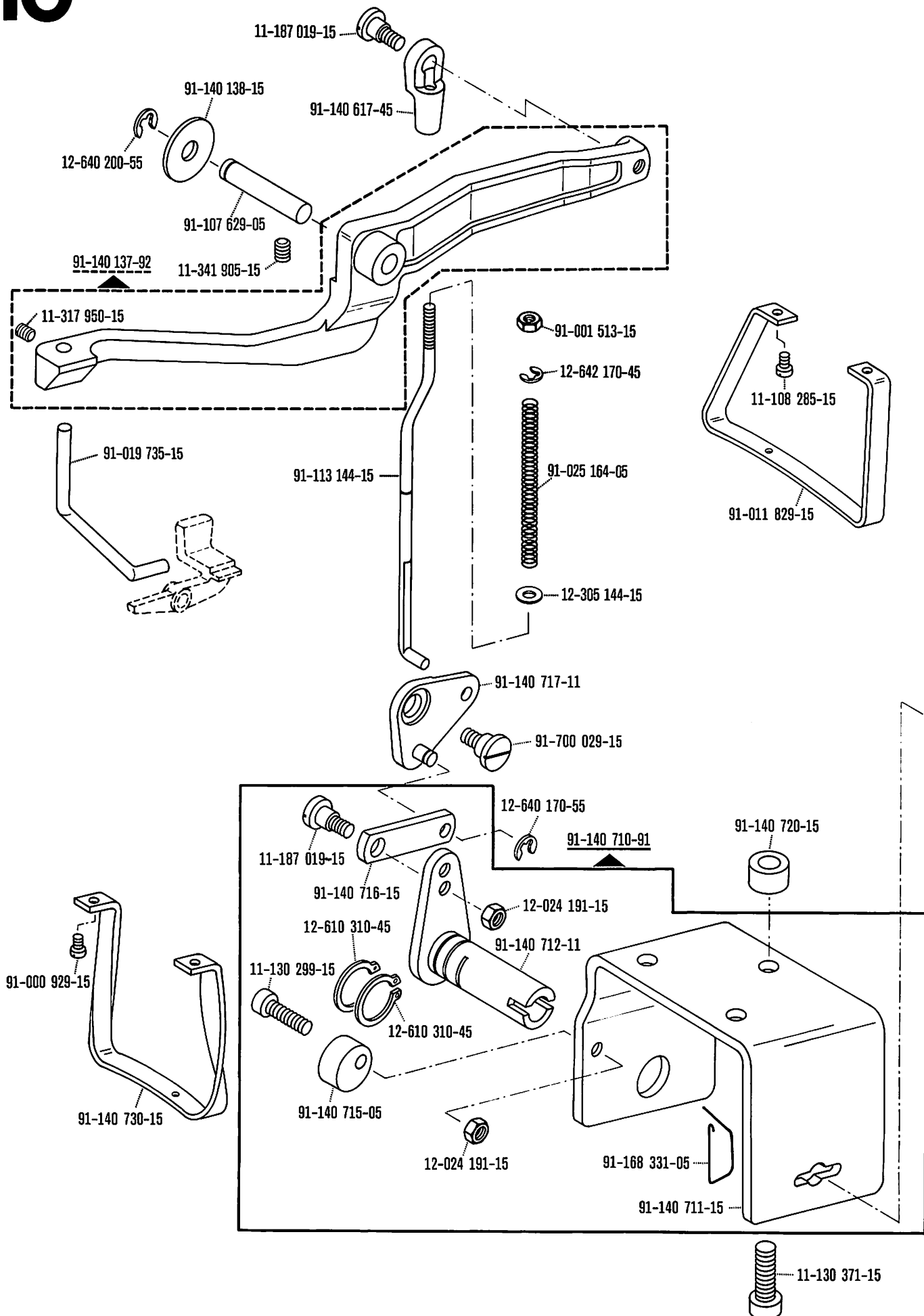


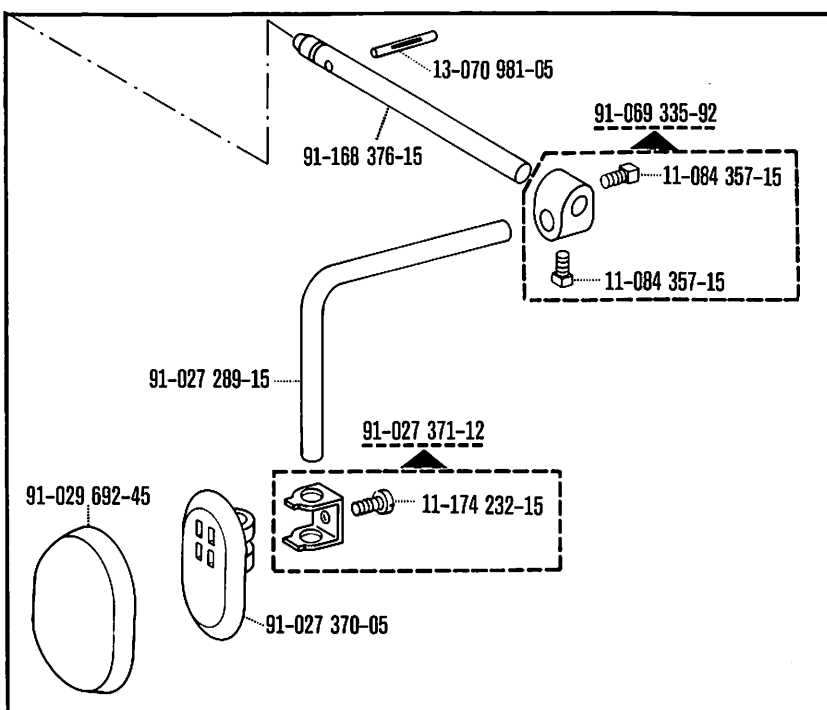
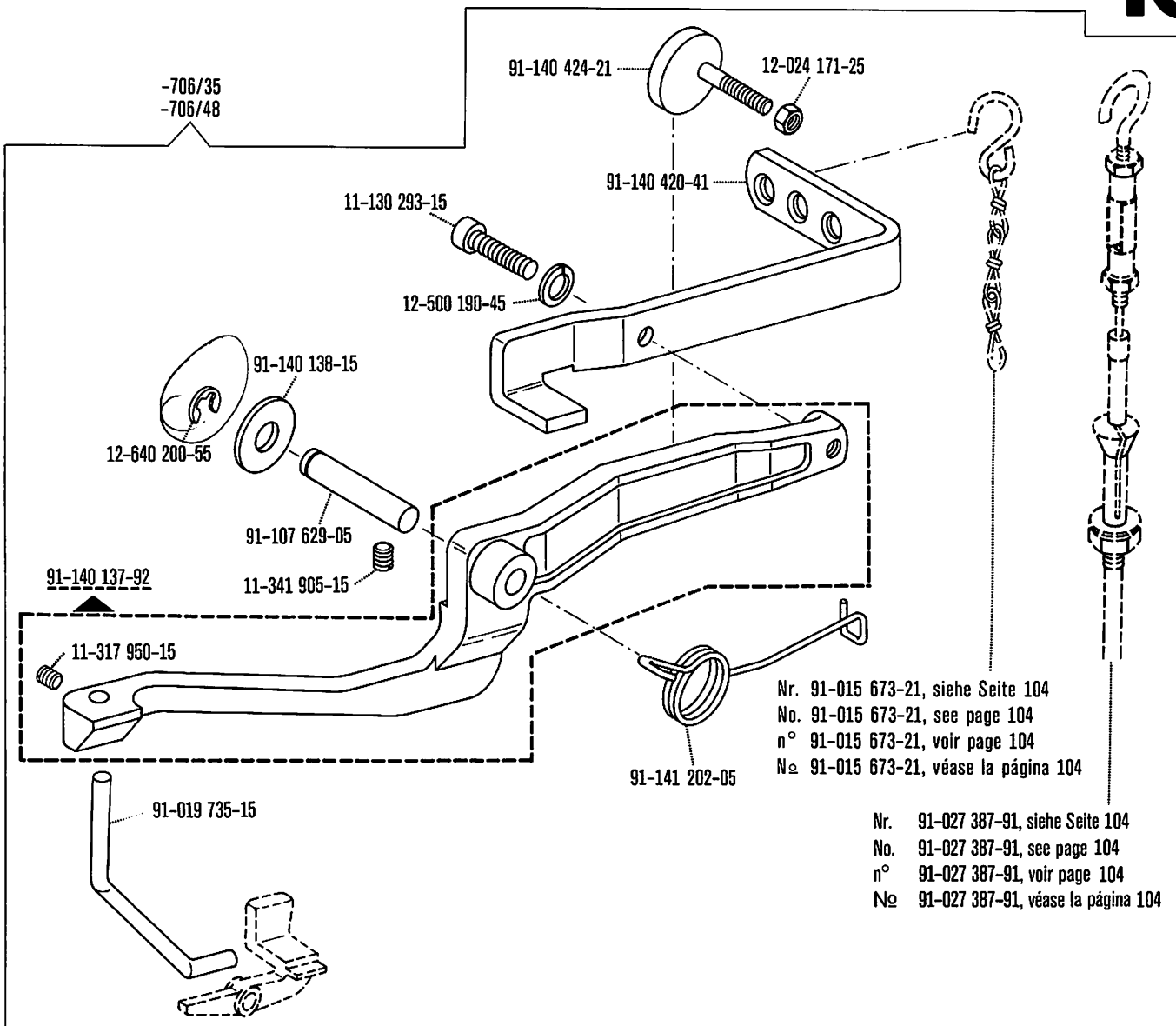


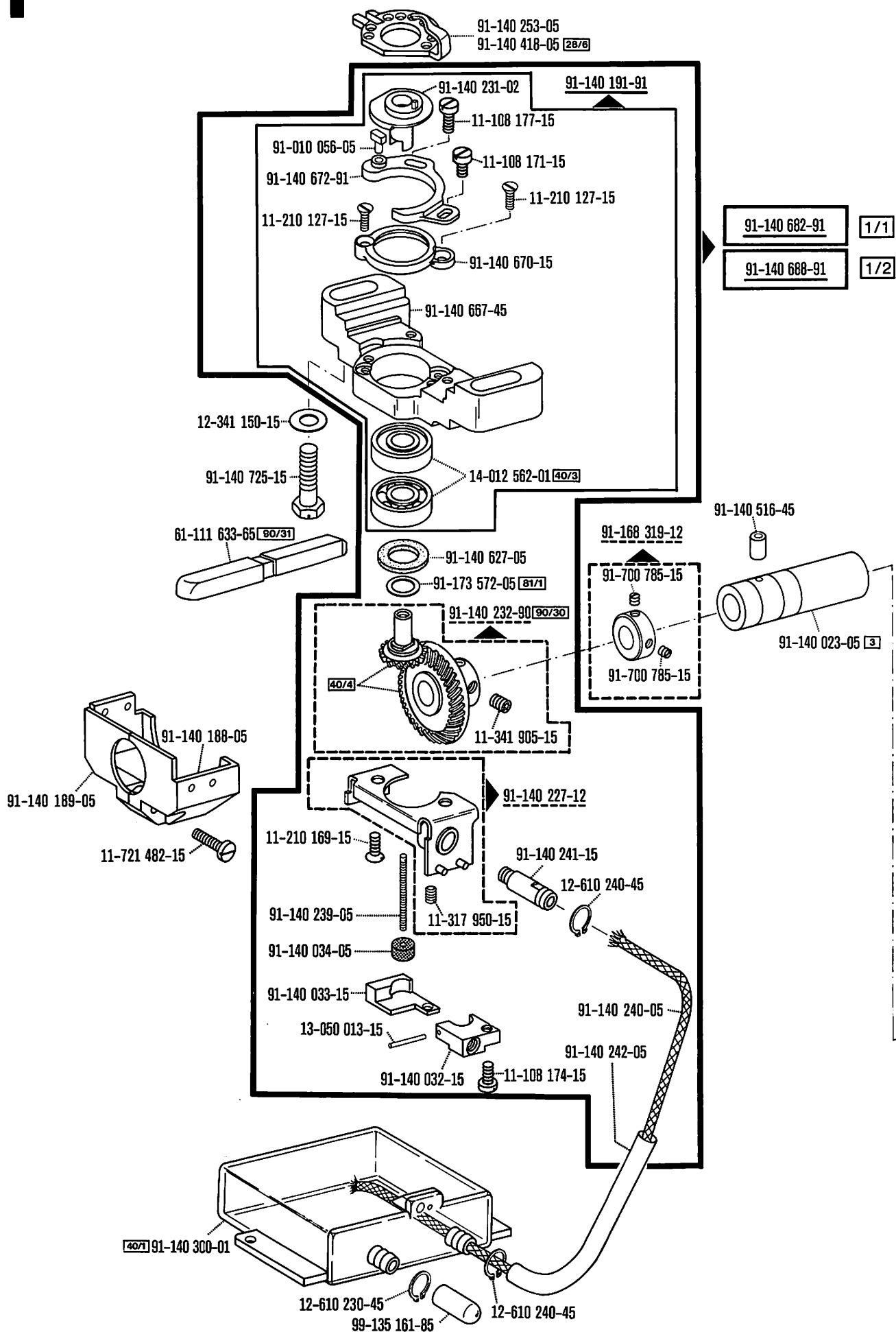


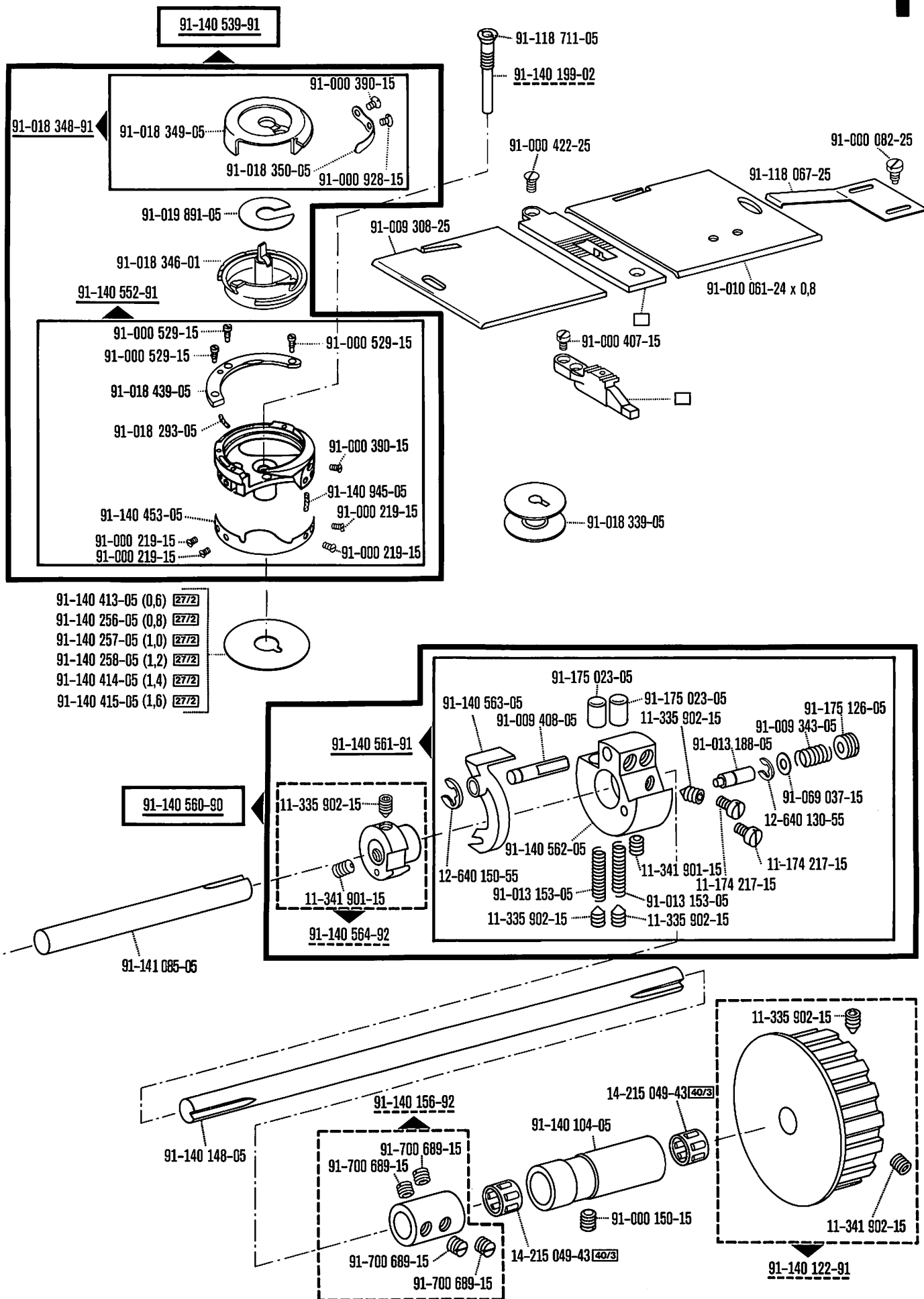


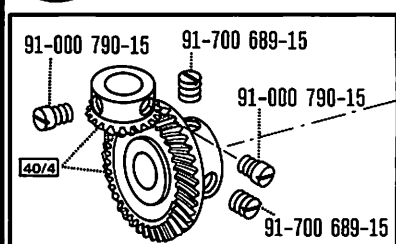
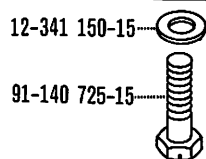
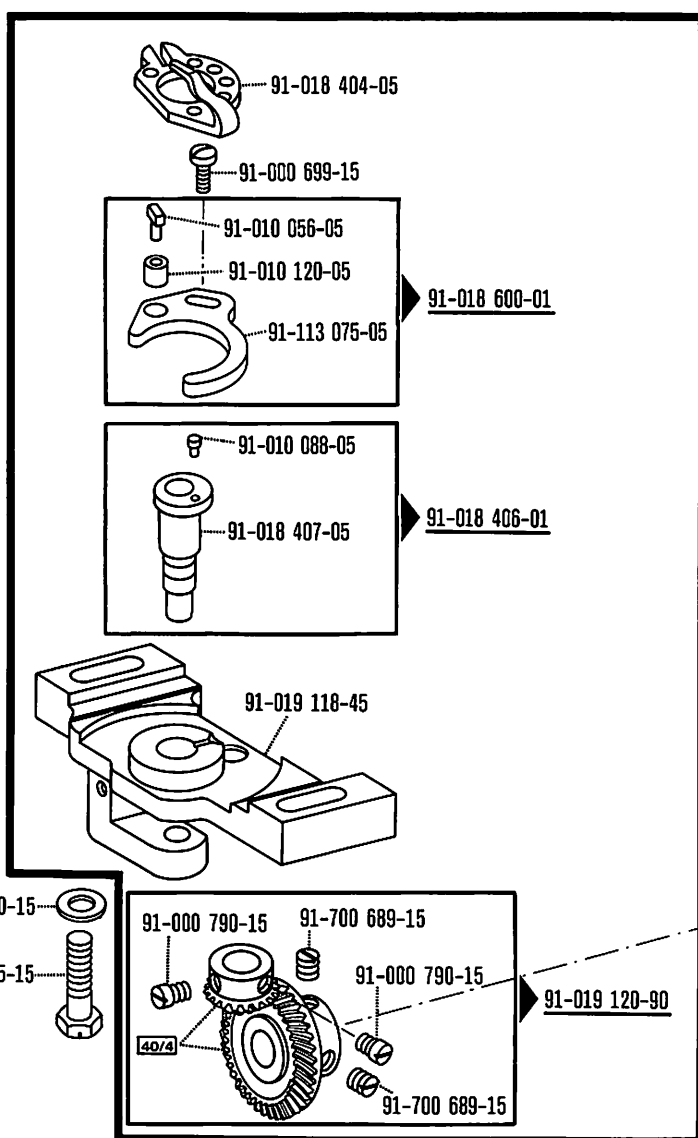
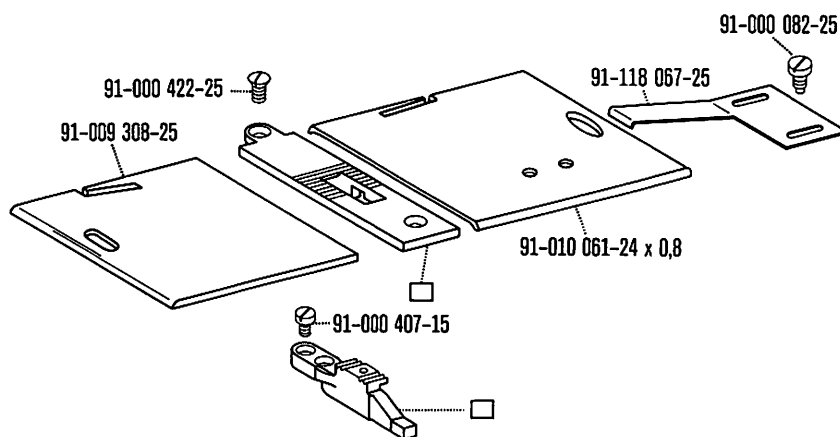




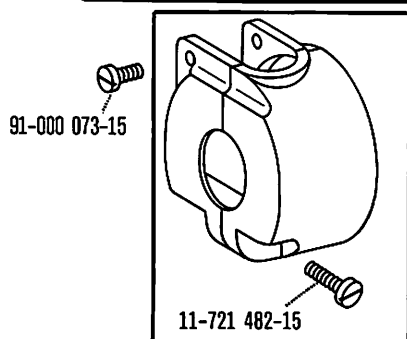




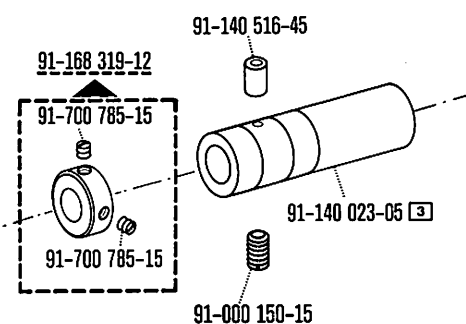


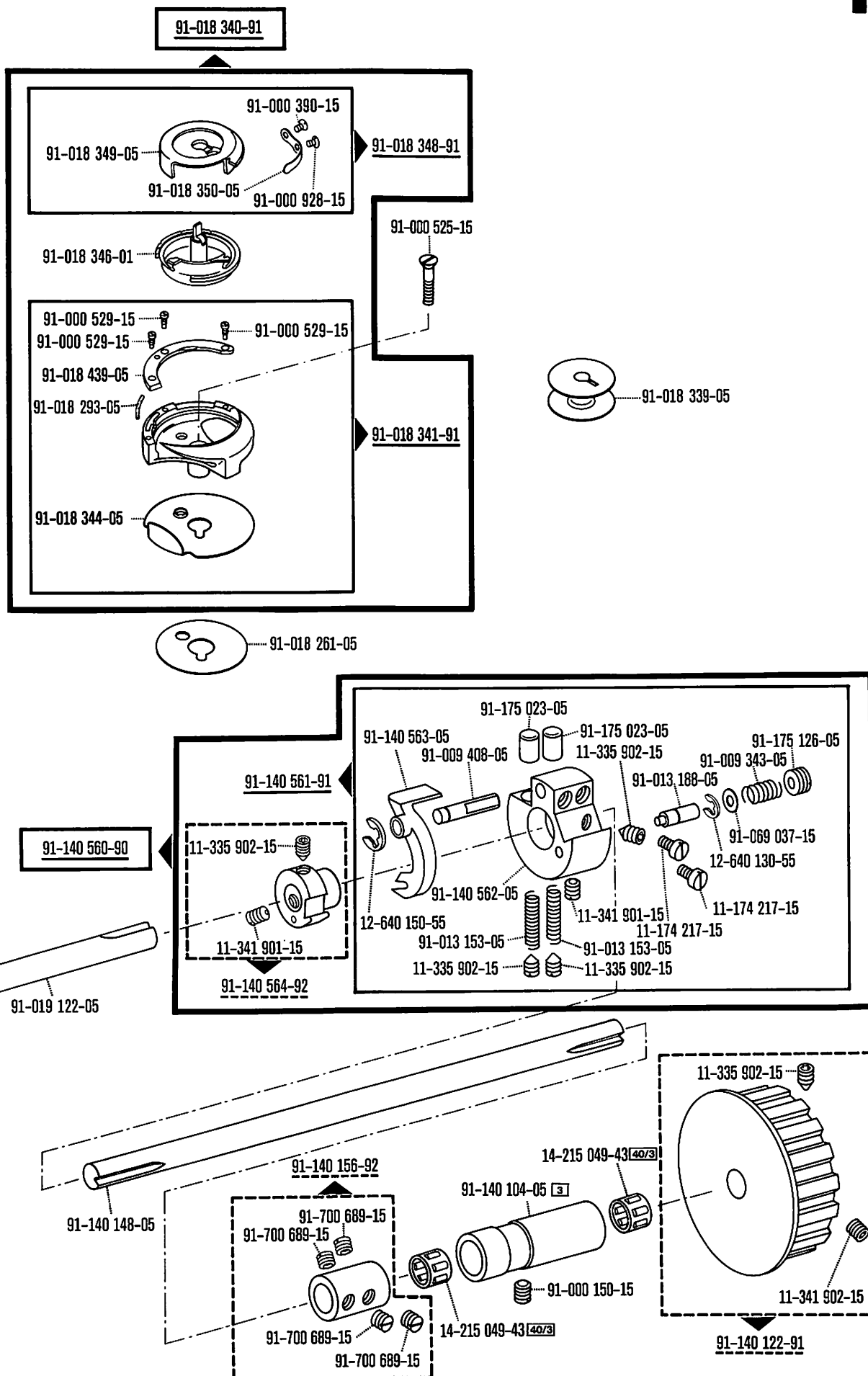


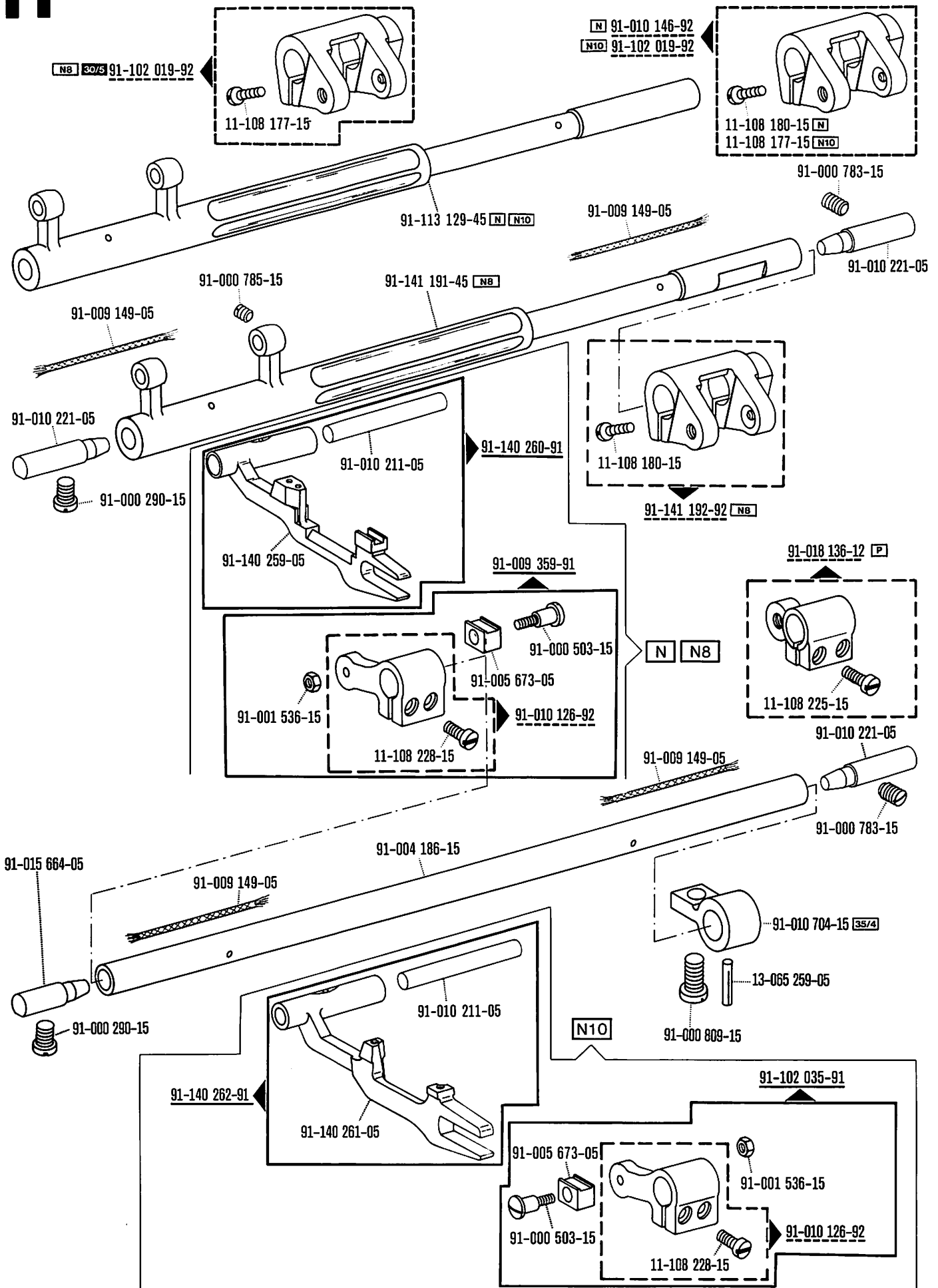
91-019 120-90

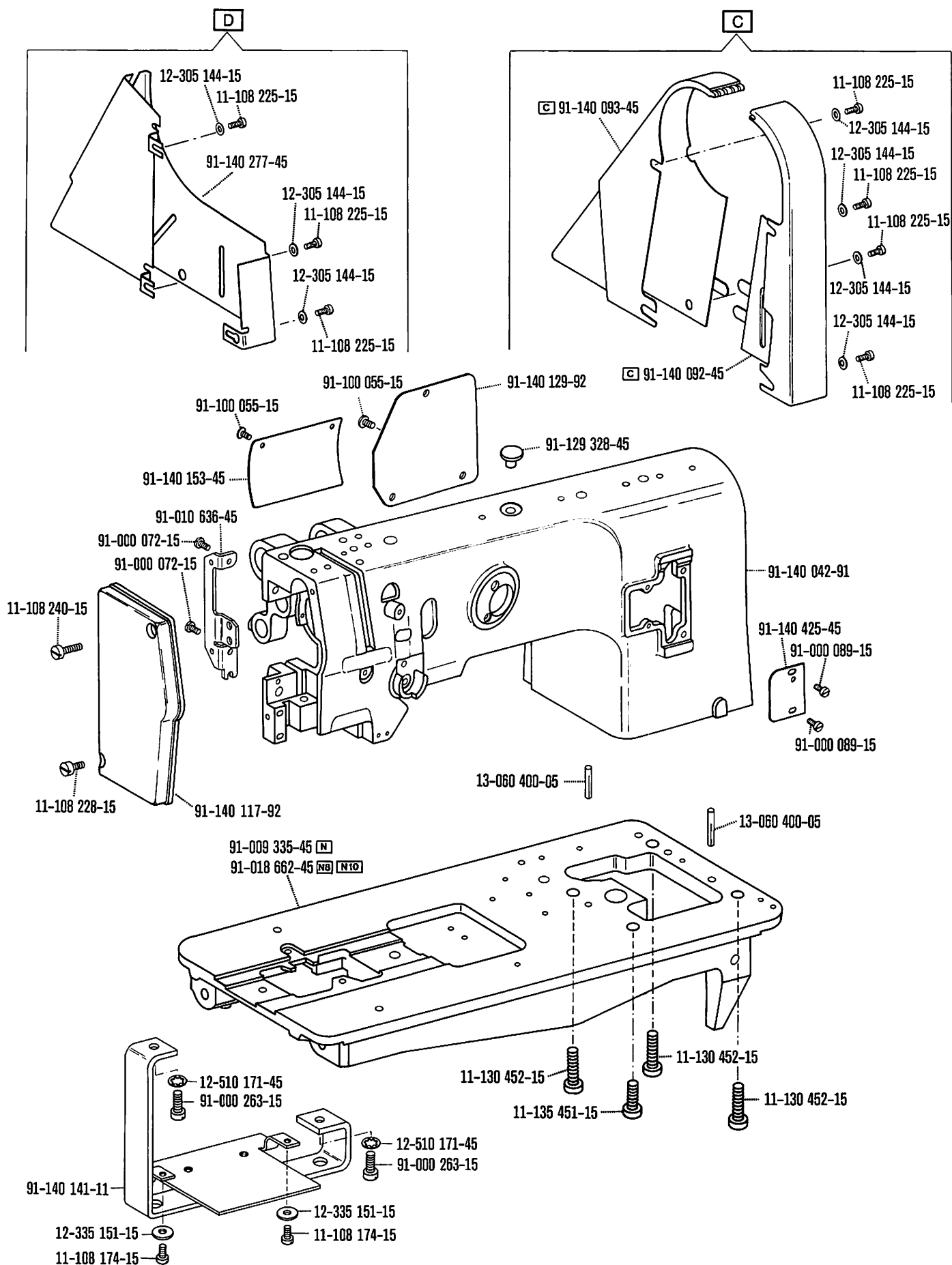


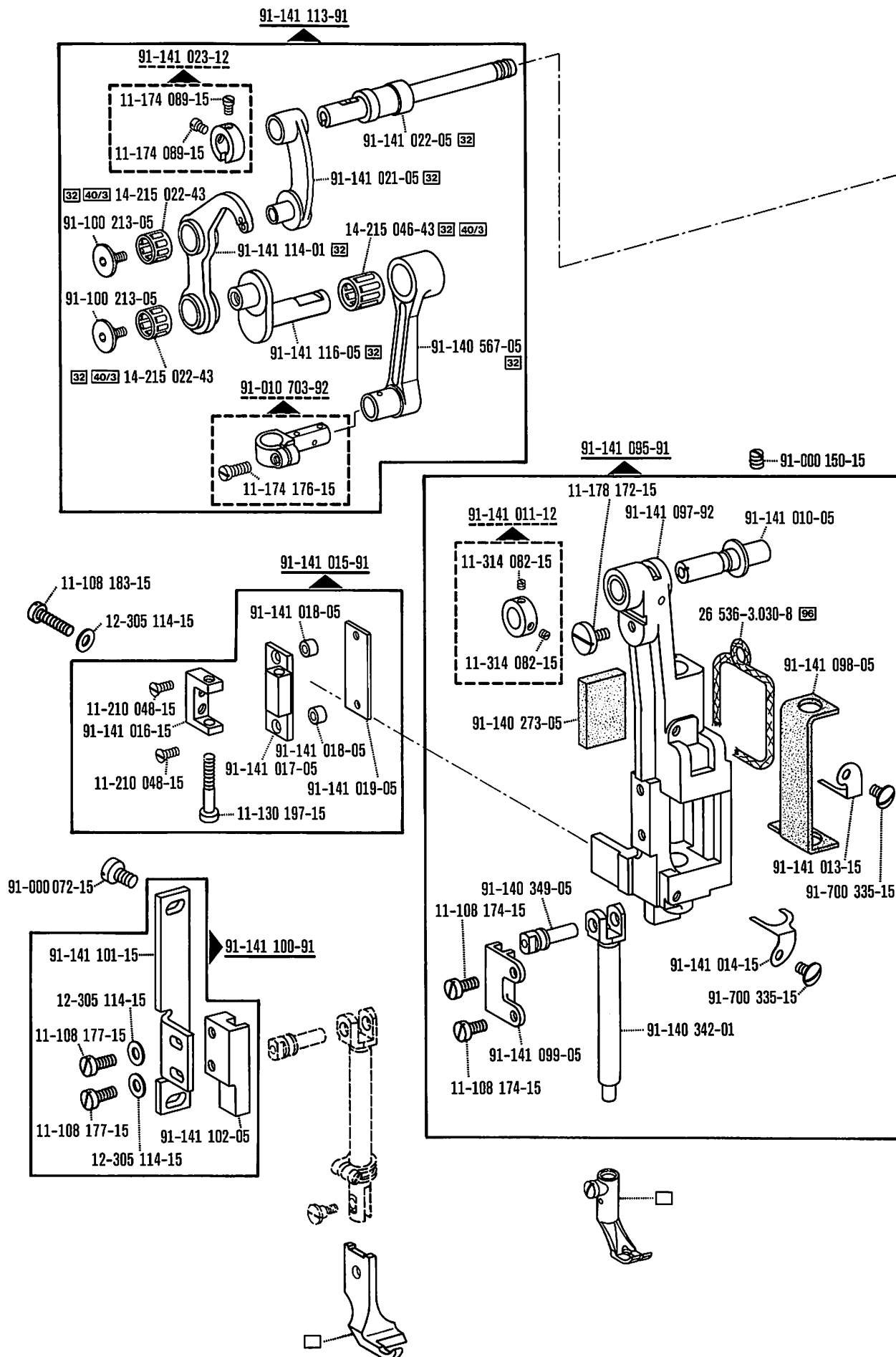
91-019 123-90

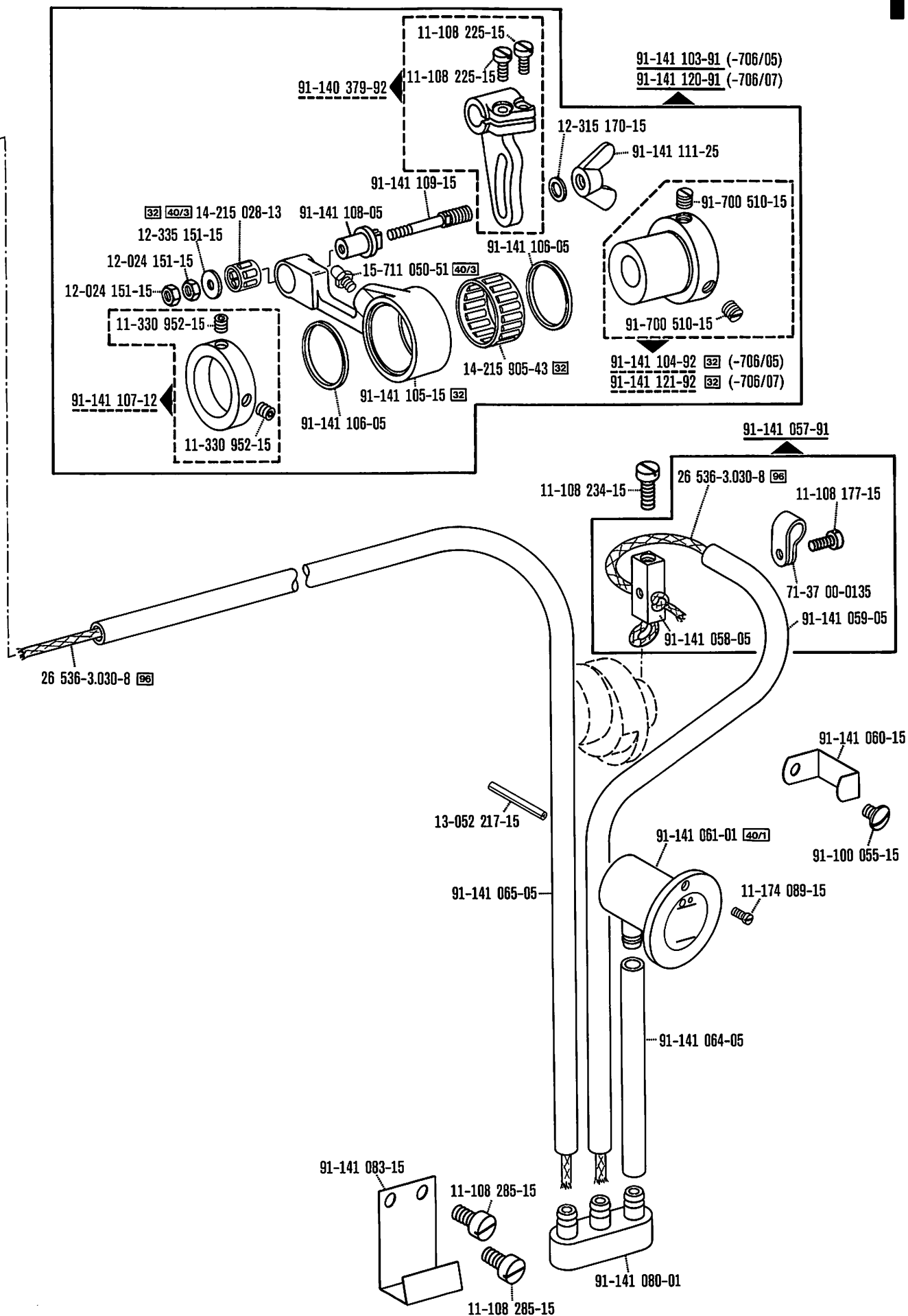


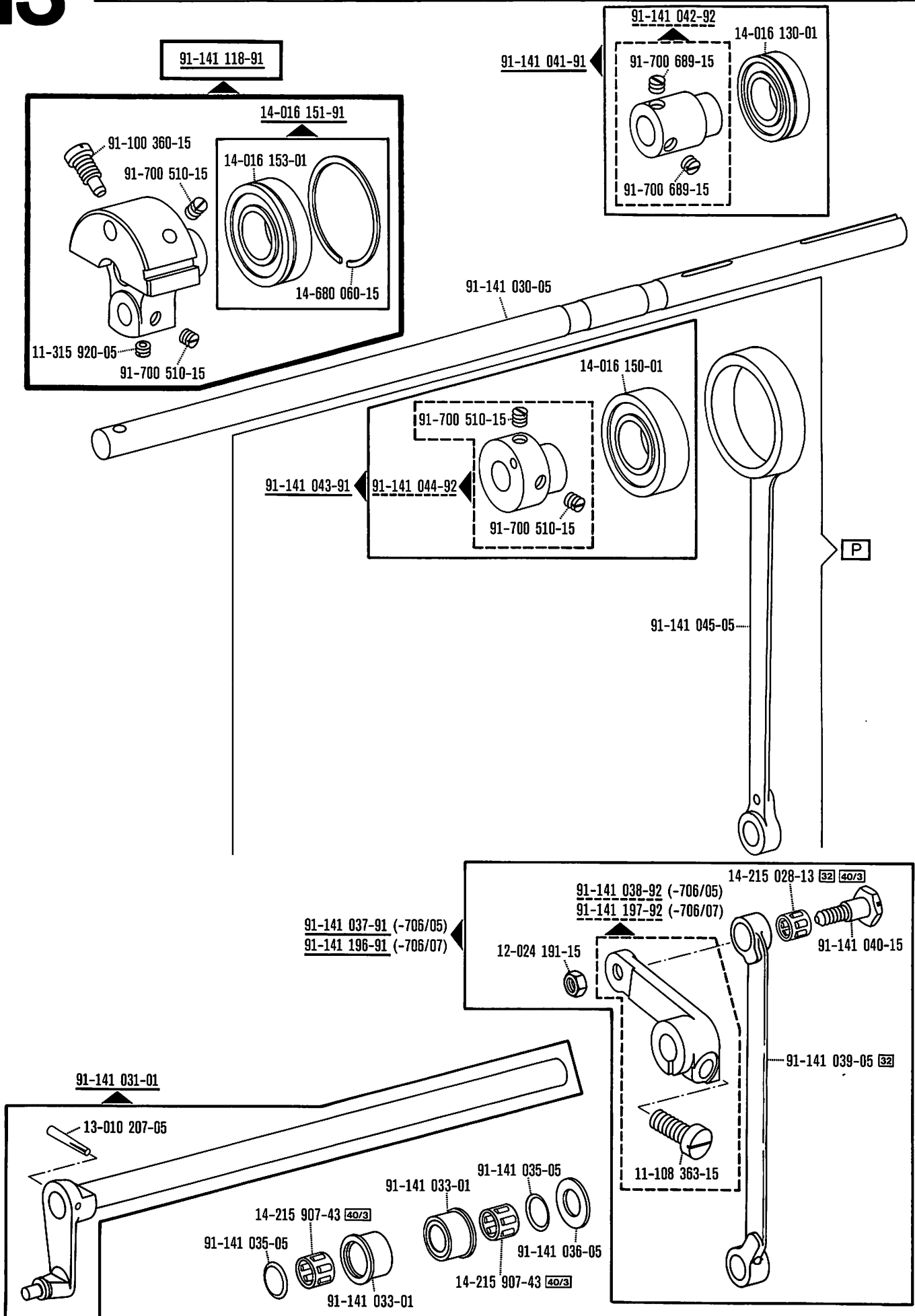


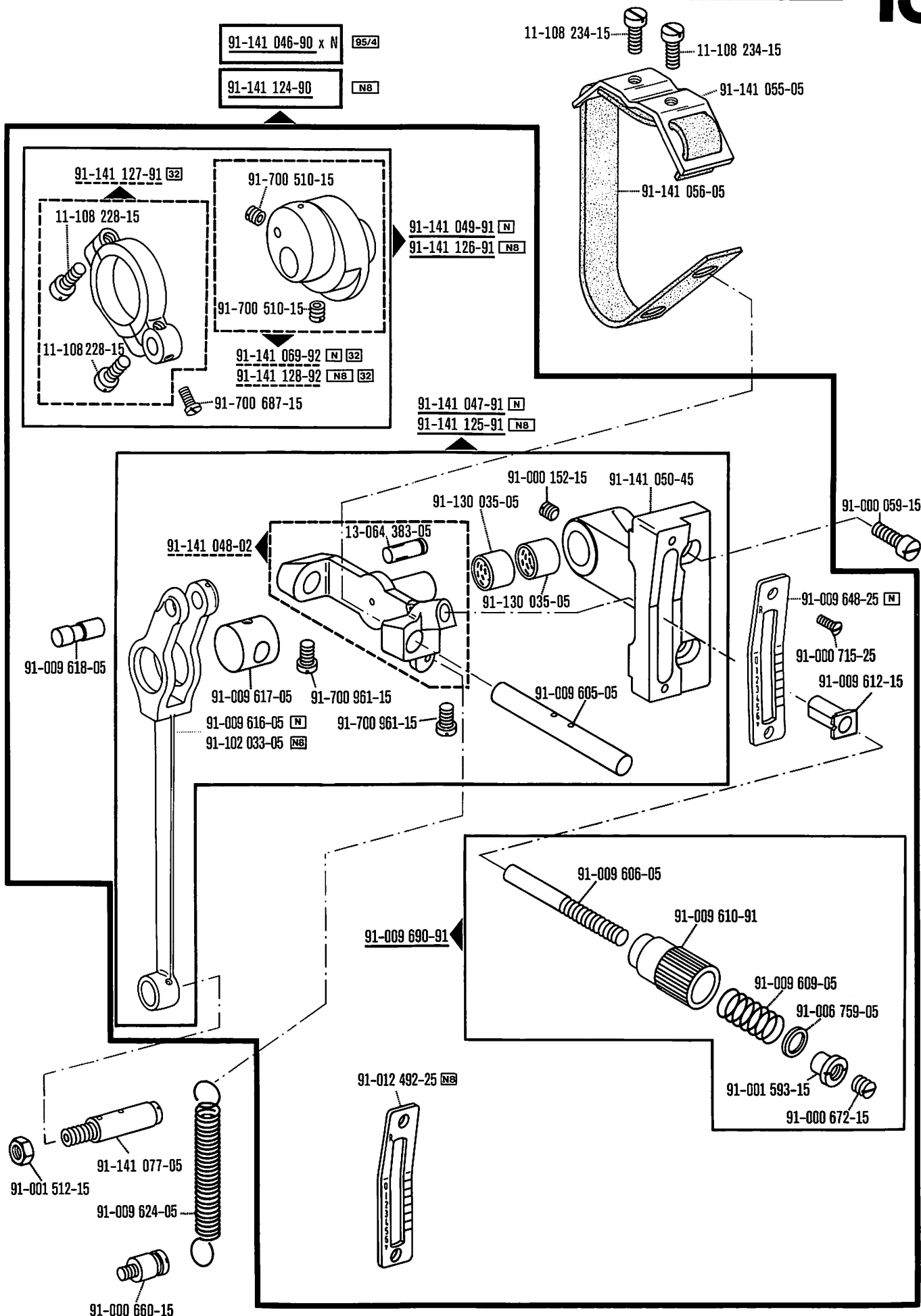


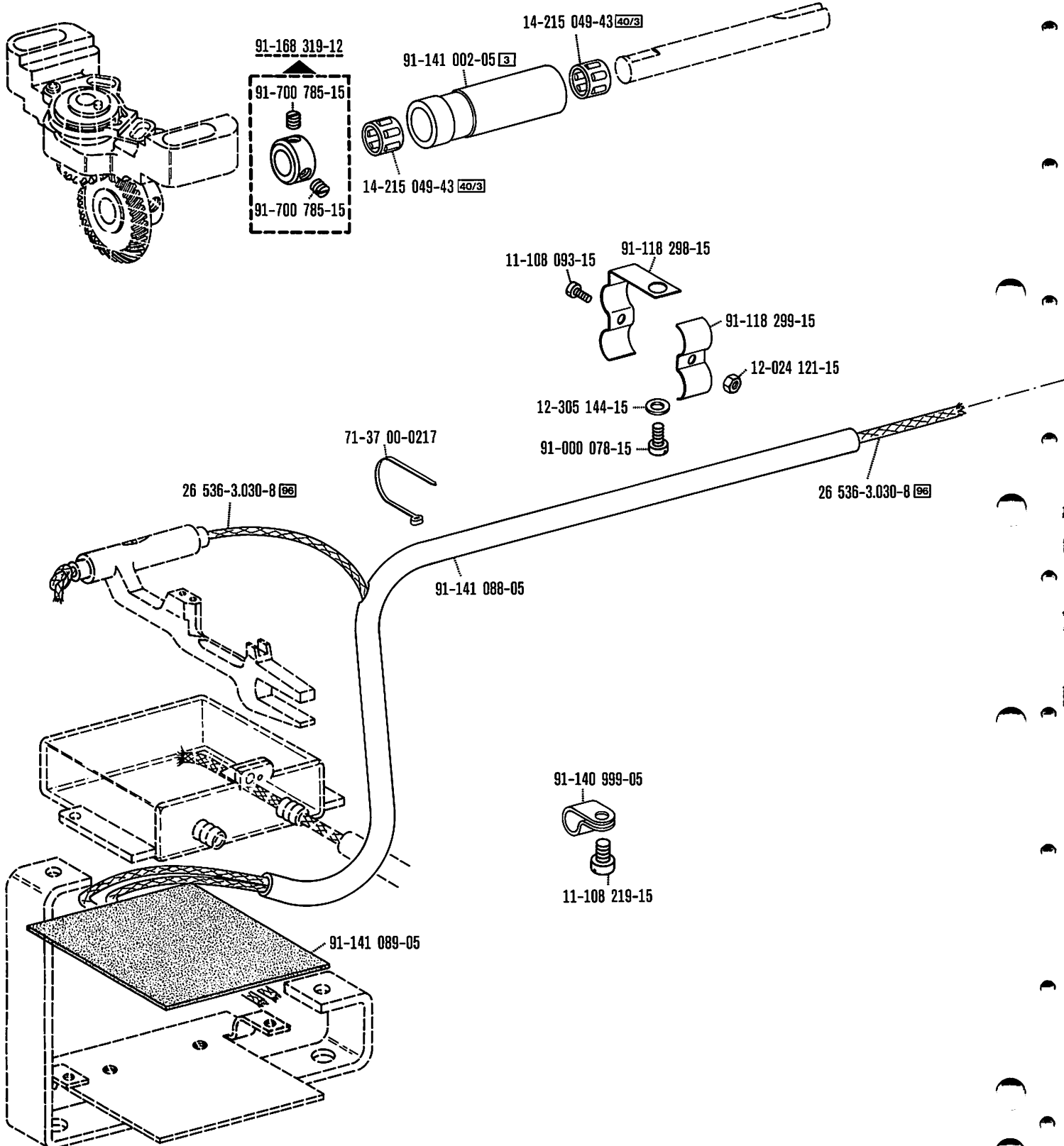


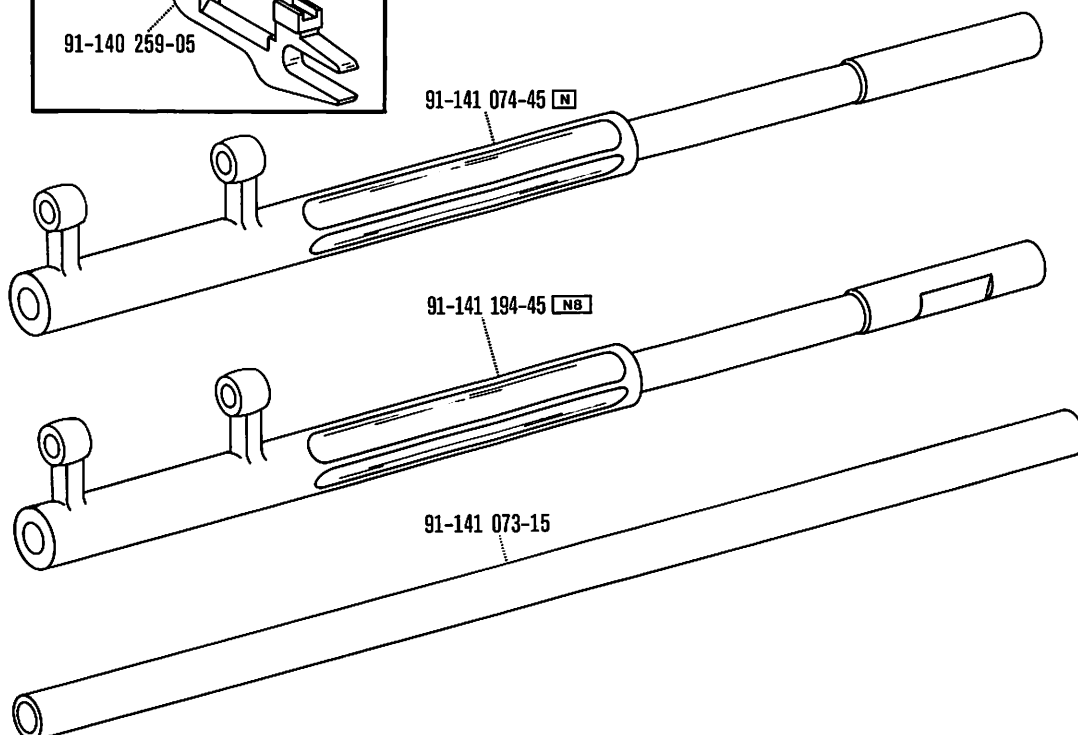
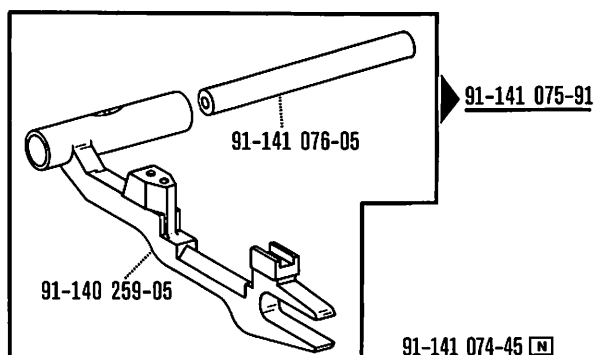
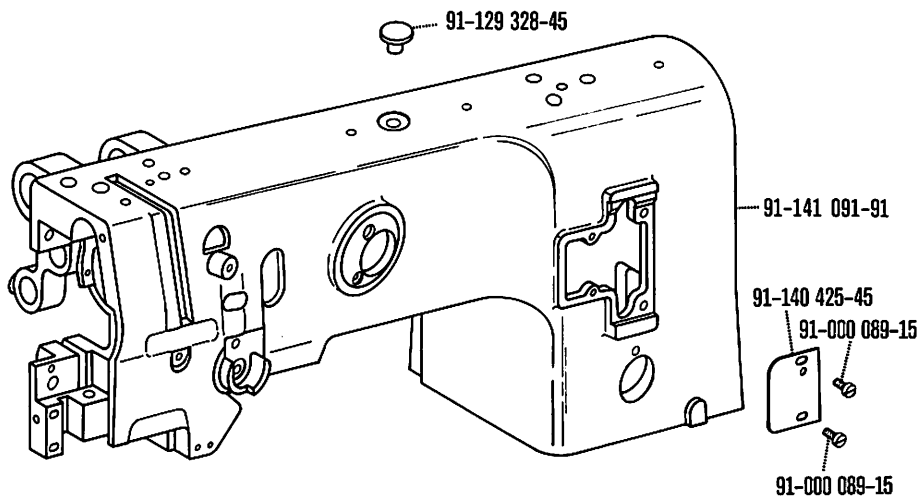
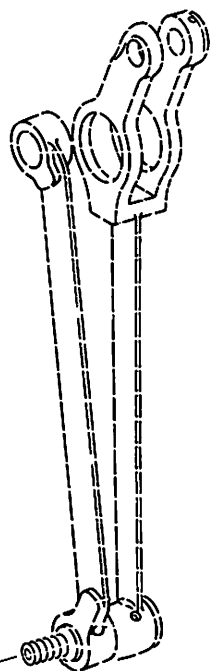


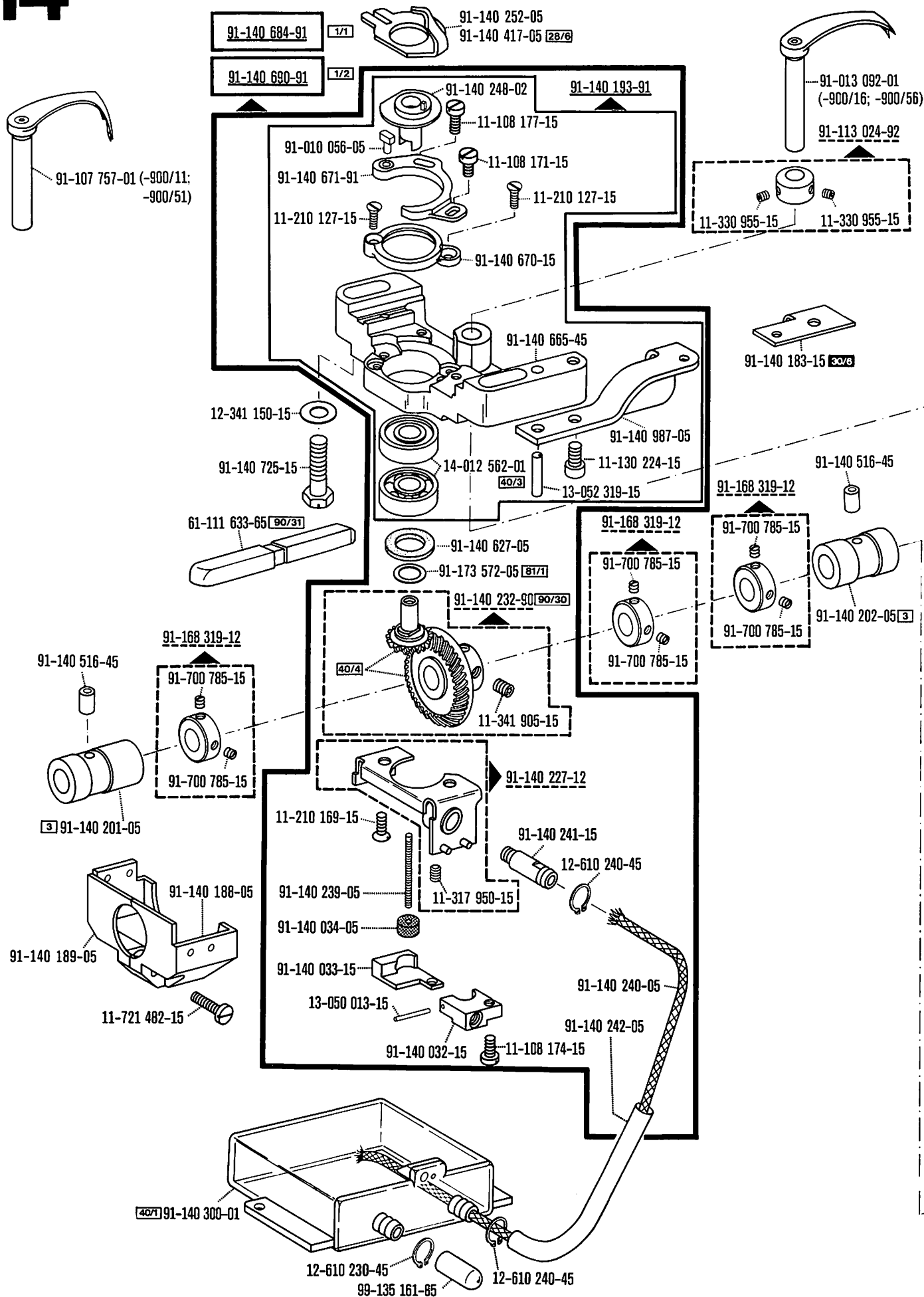


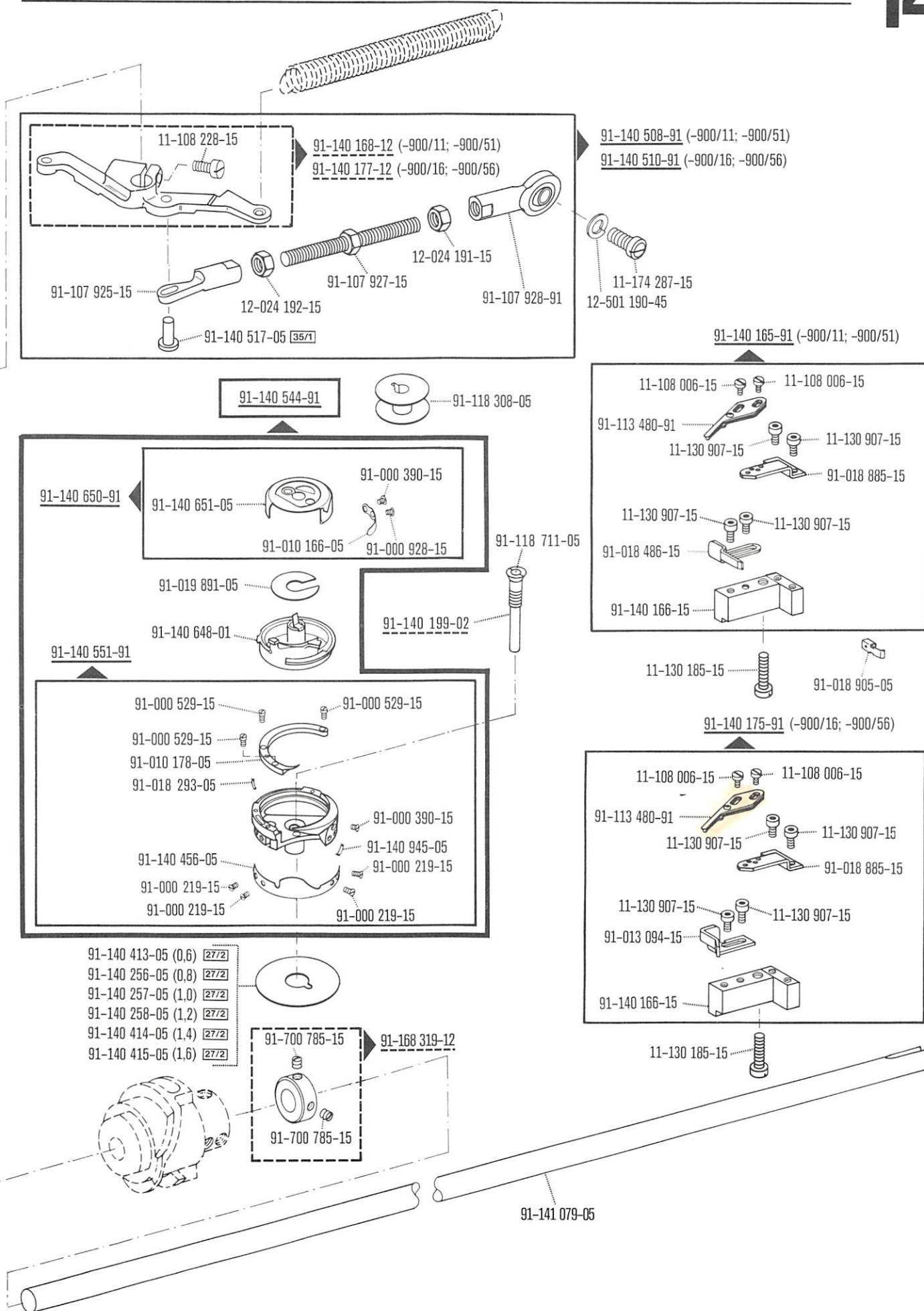


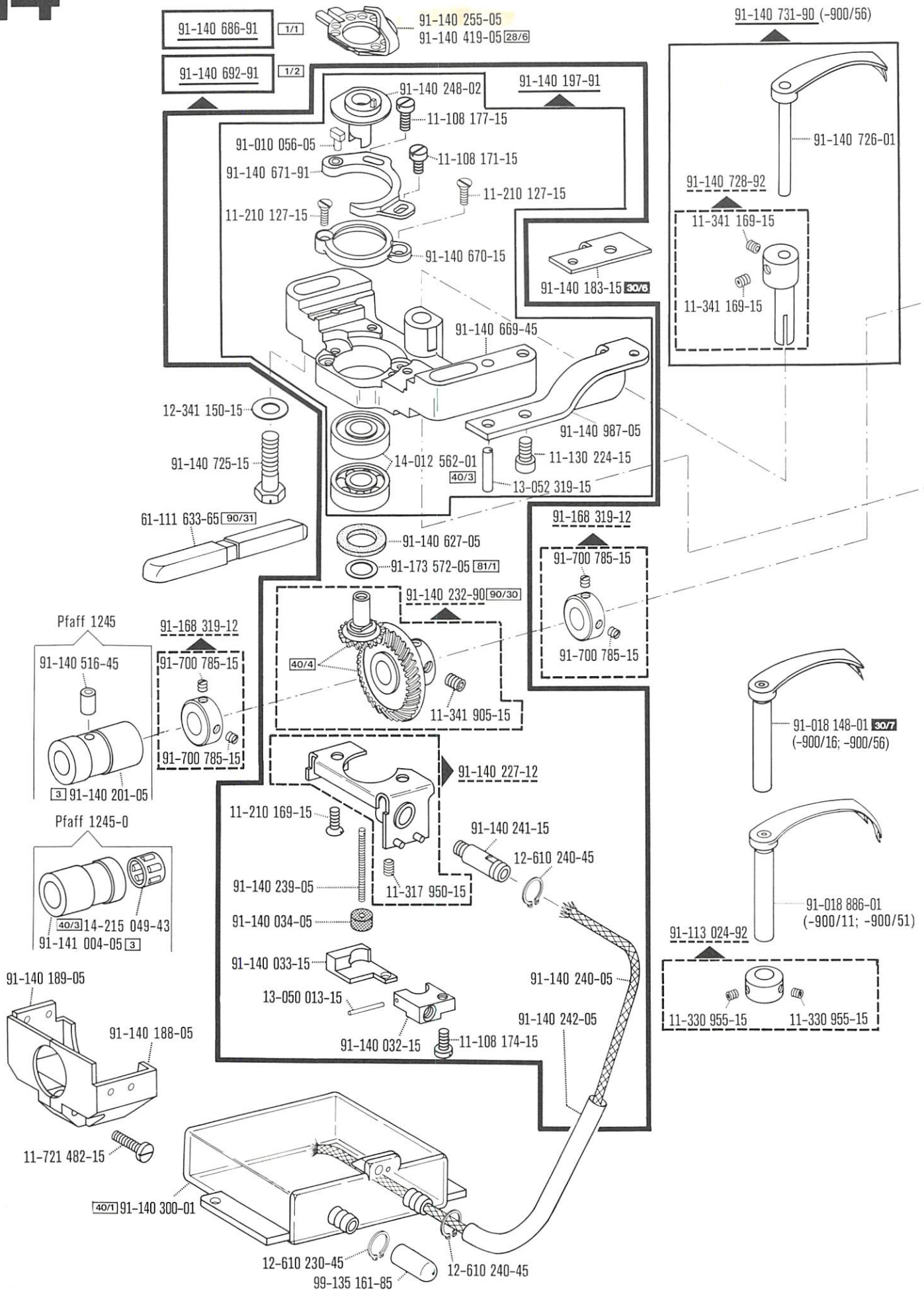


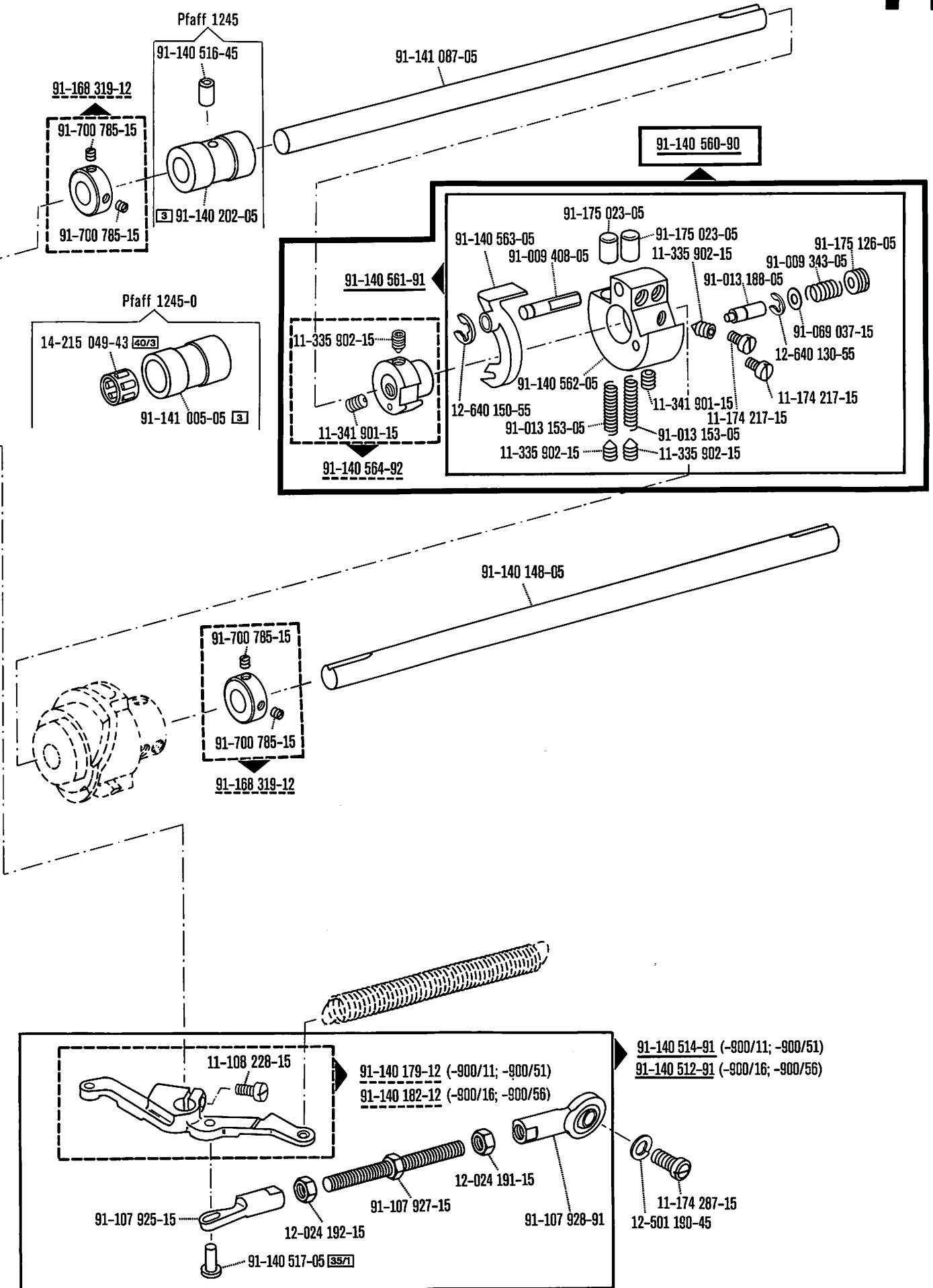


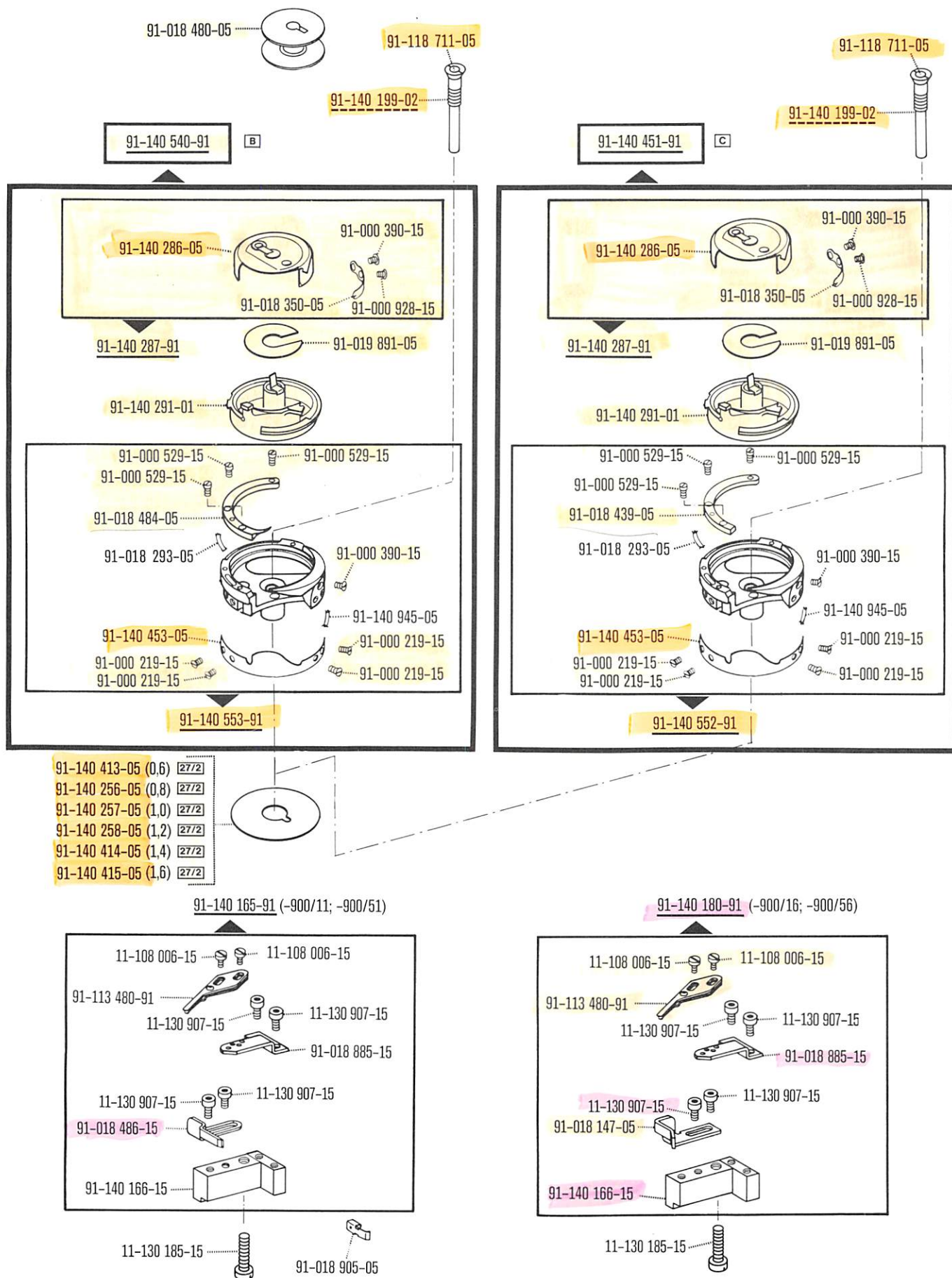


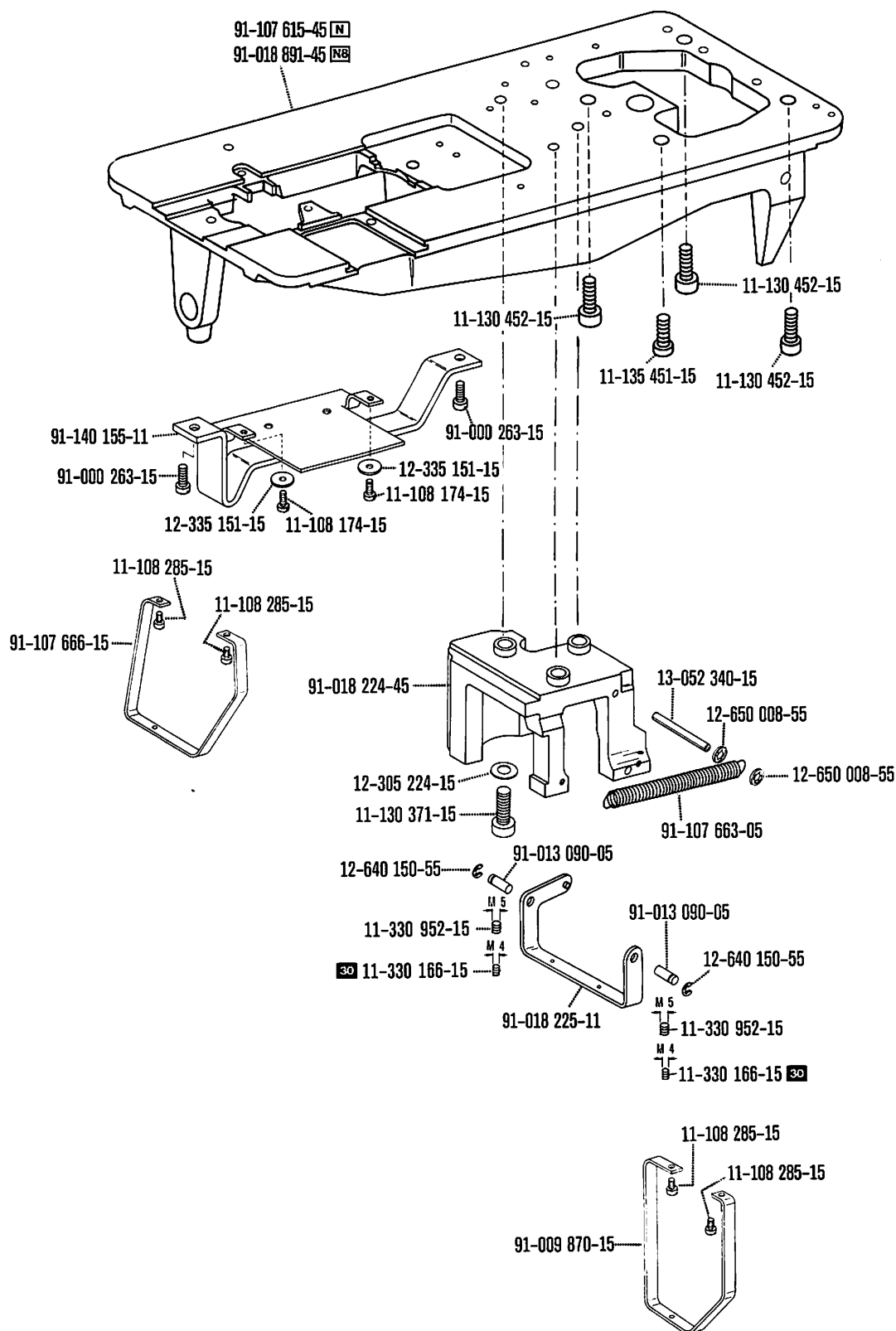


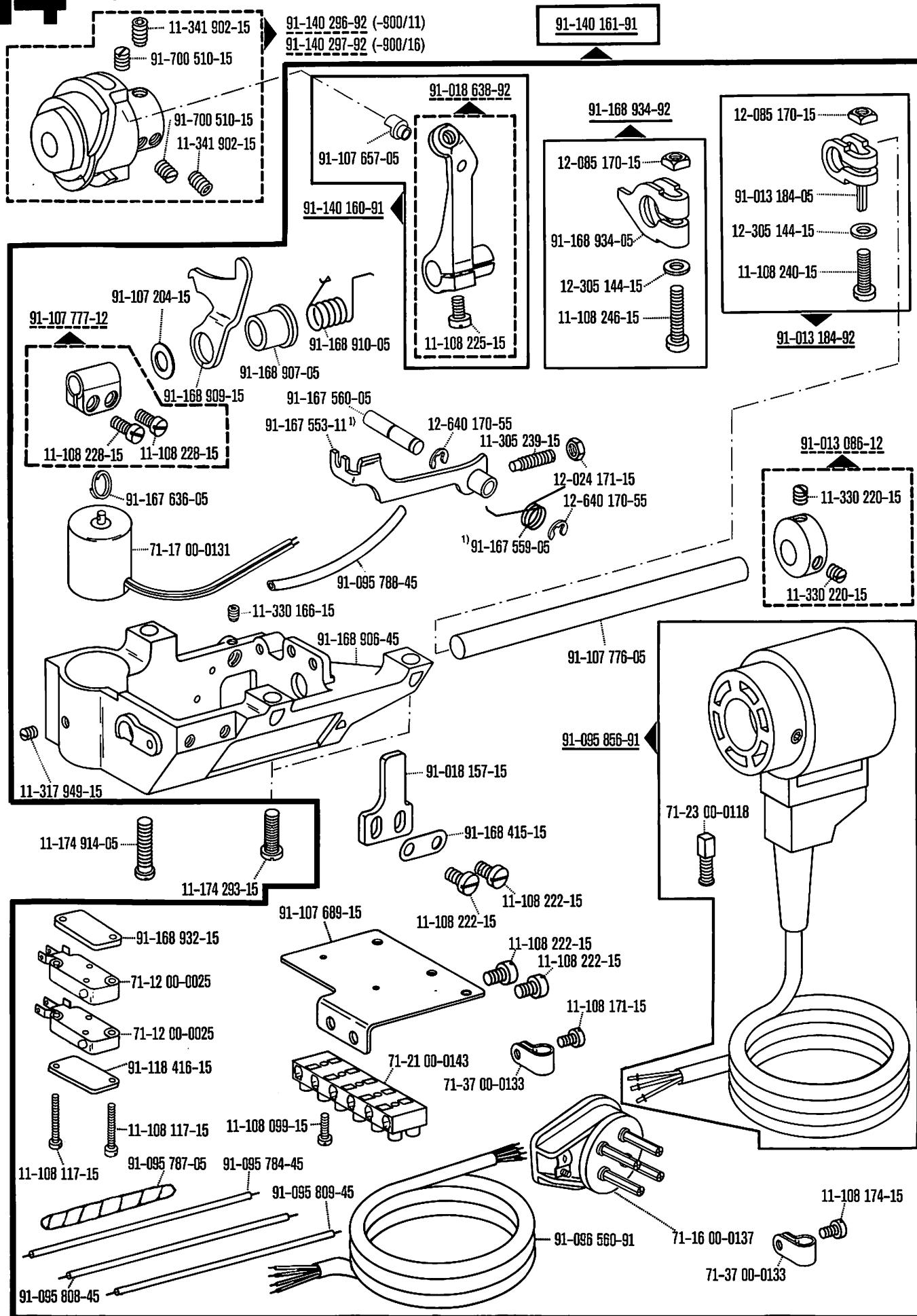


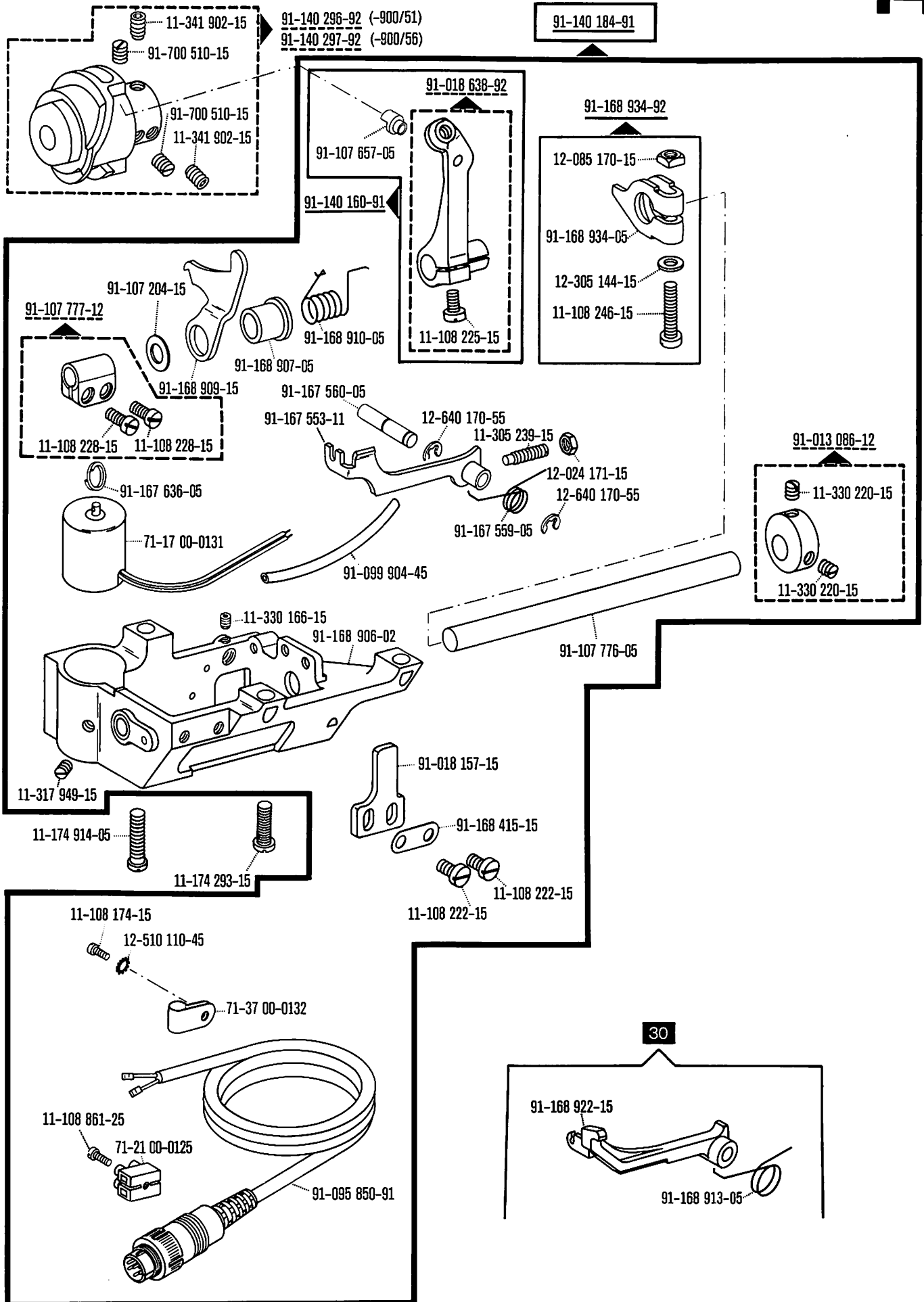


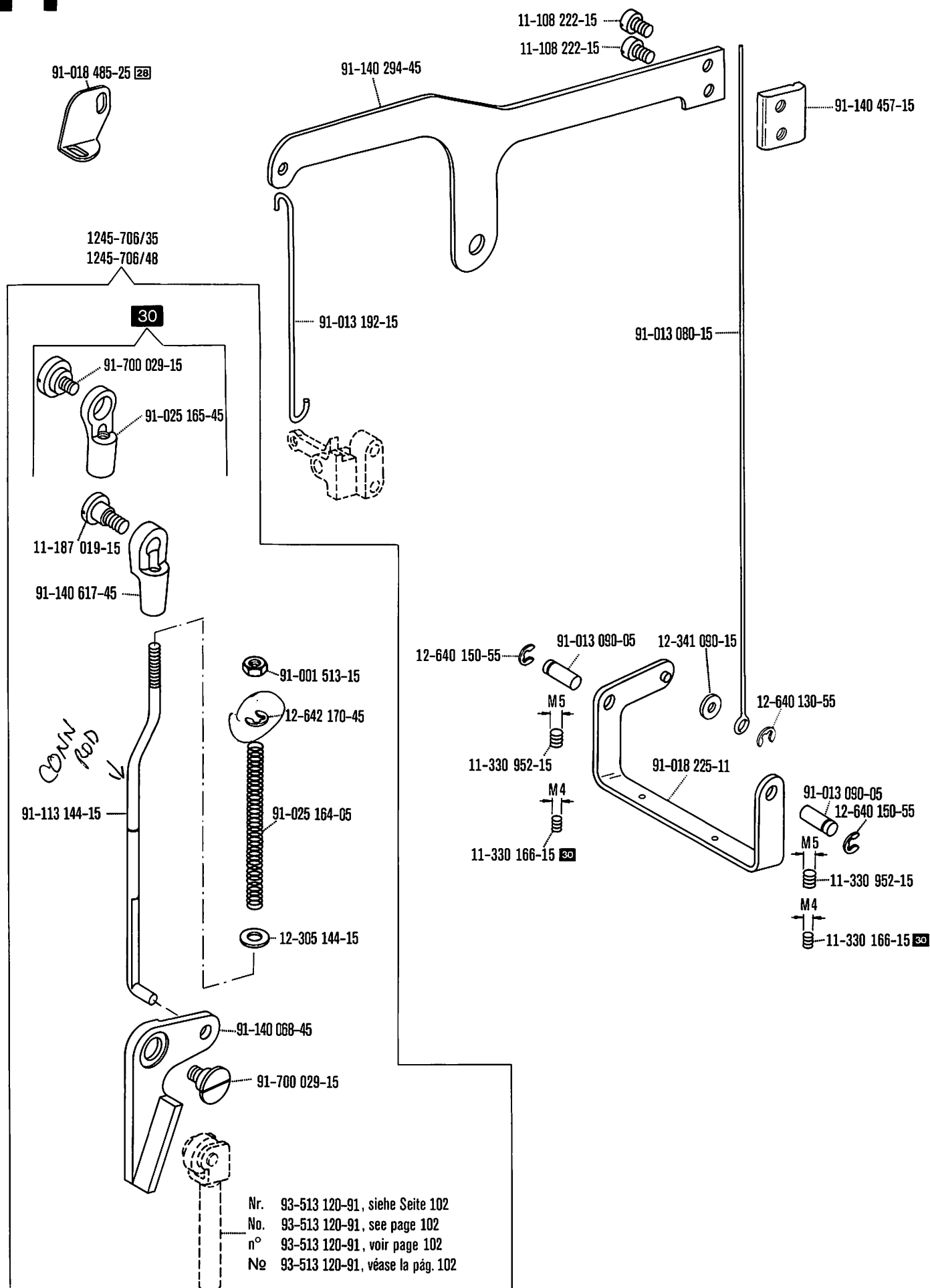


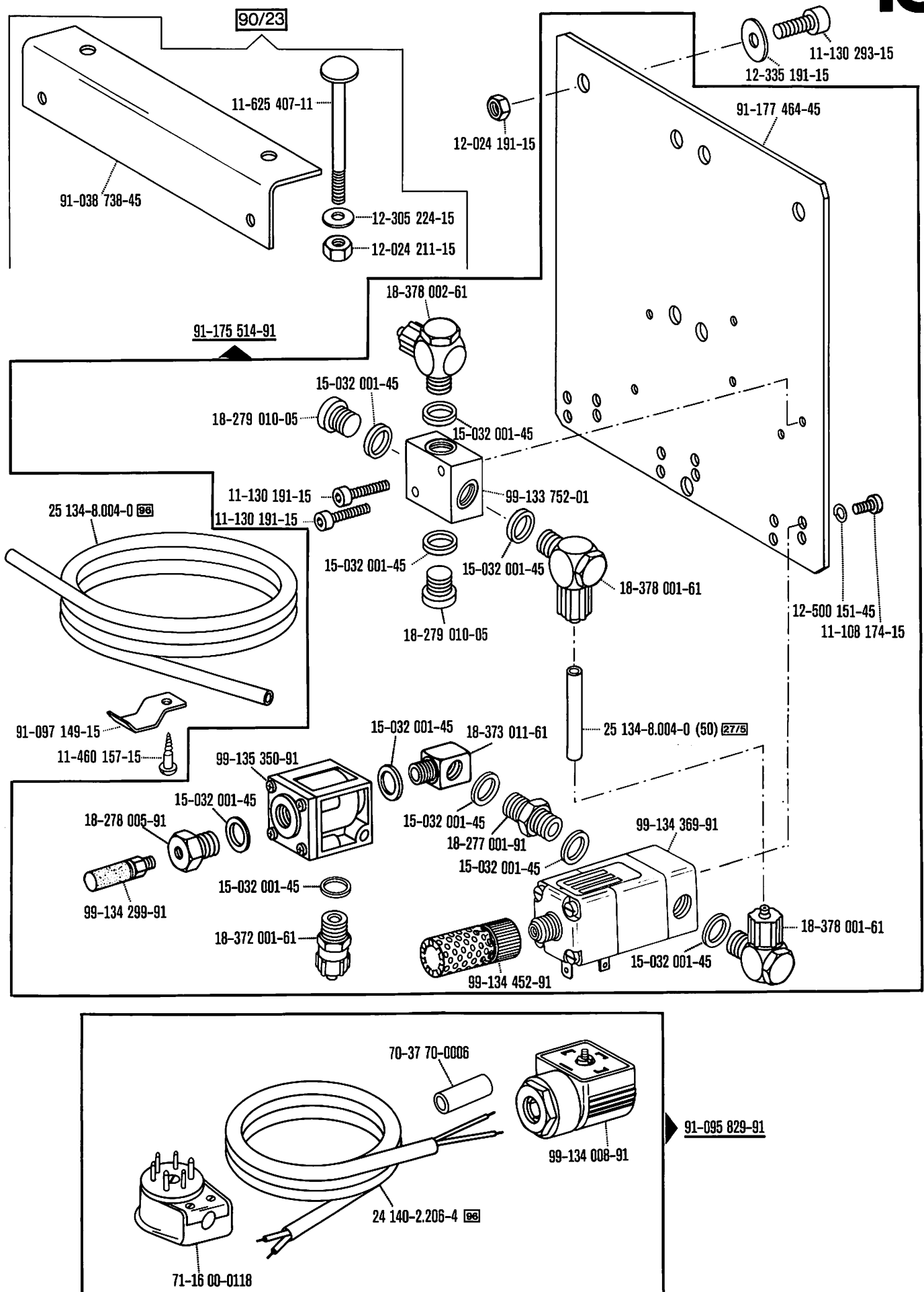


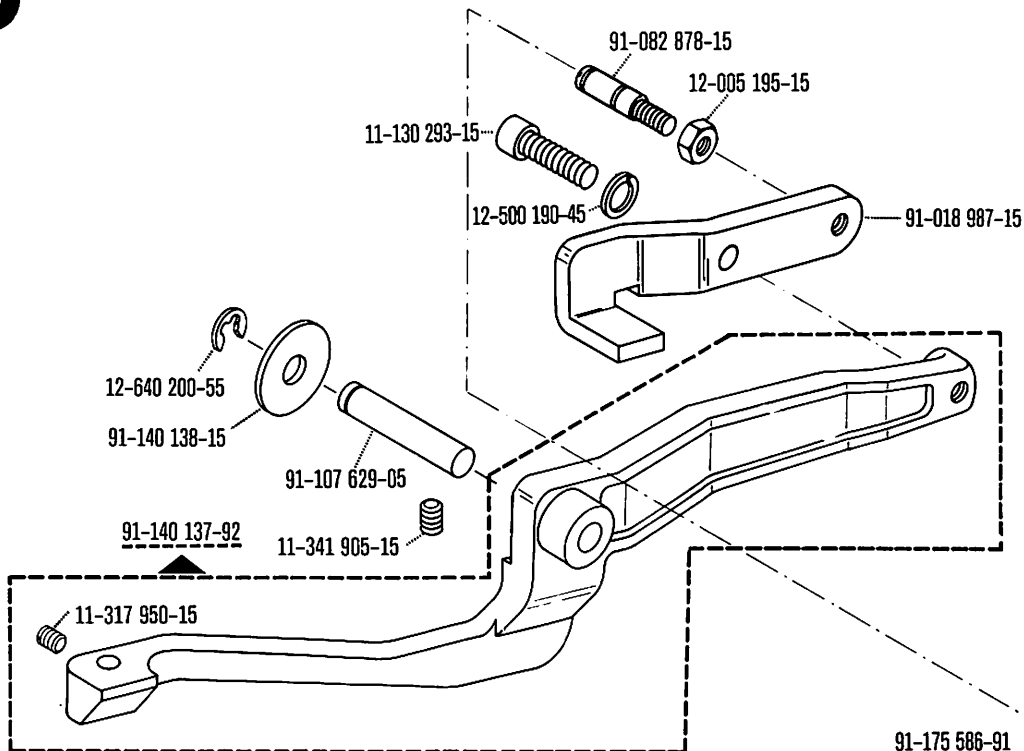




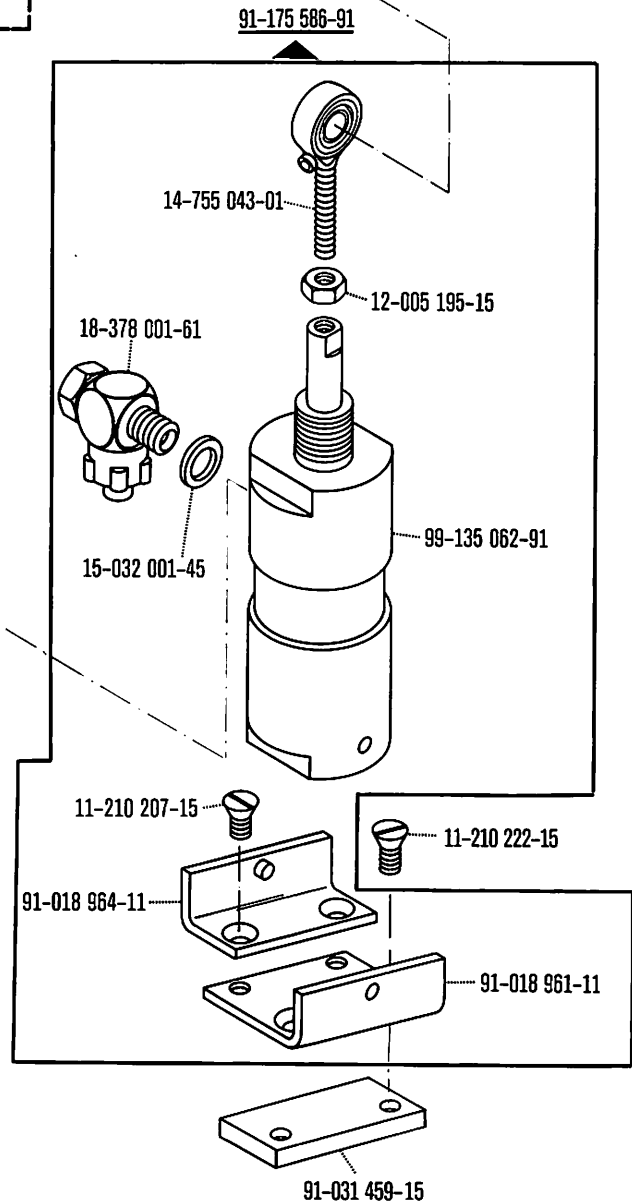
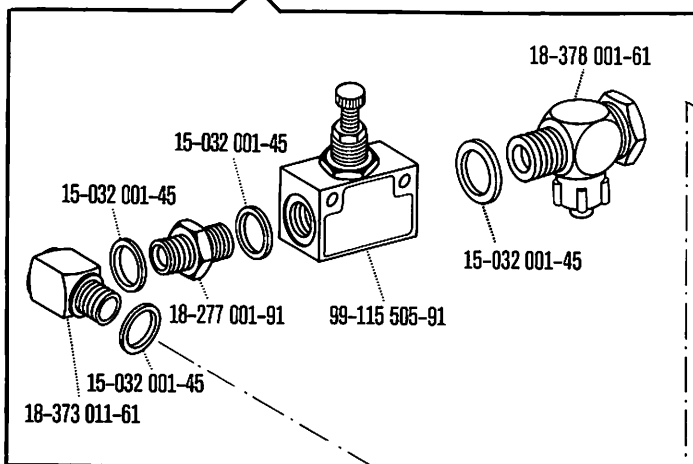


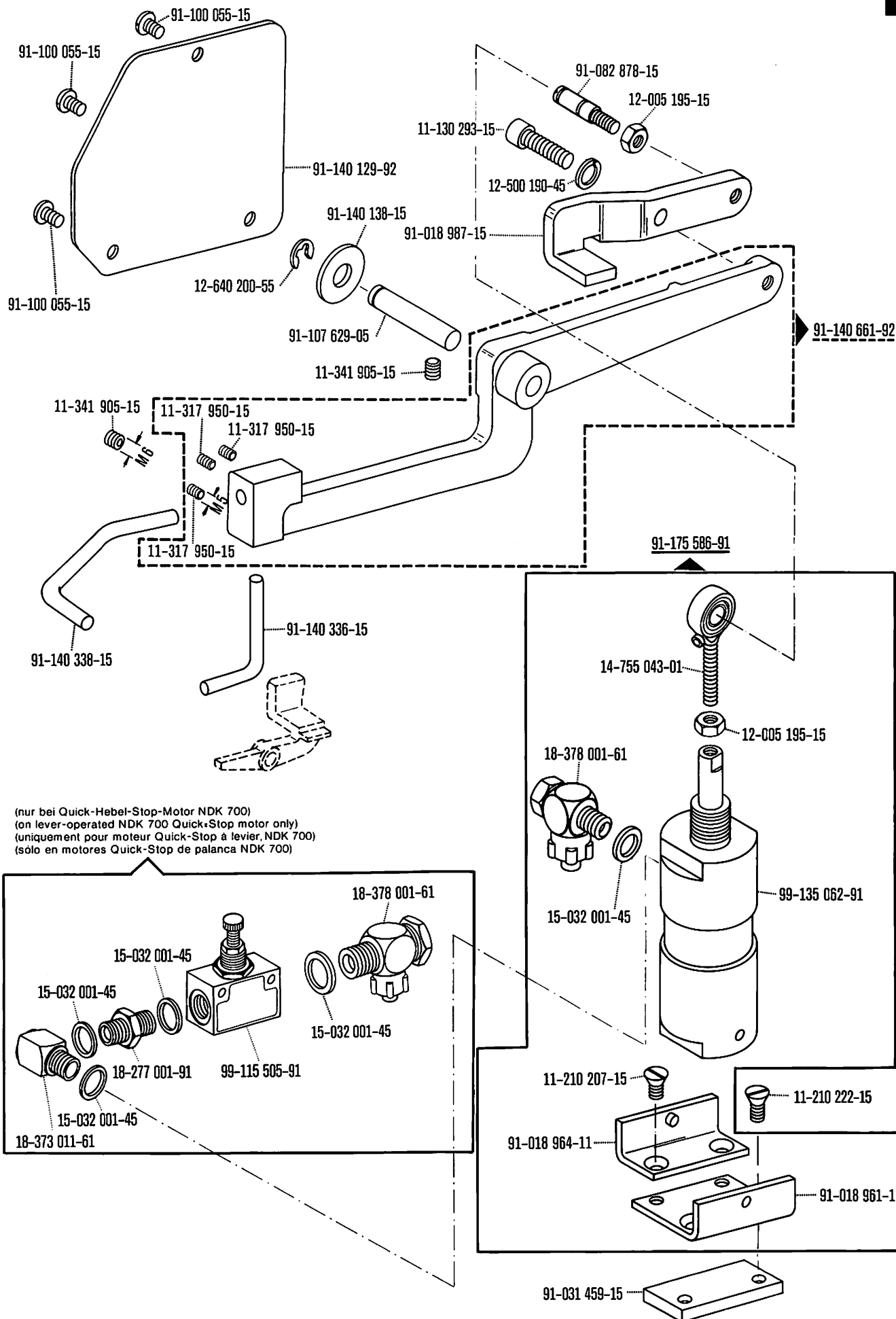


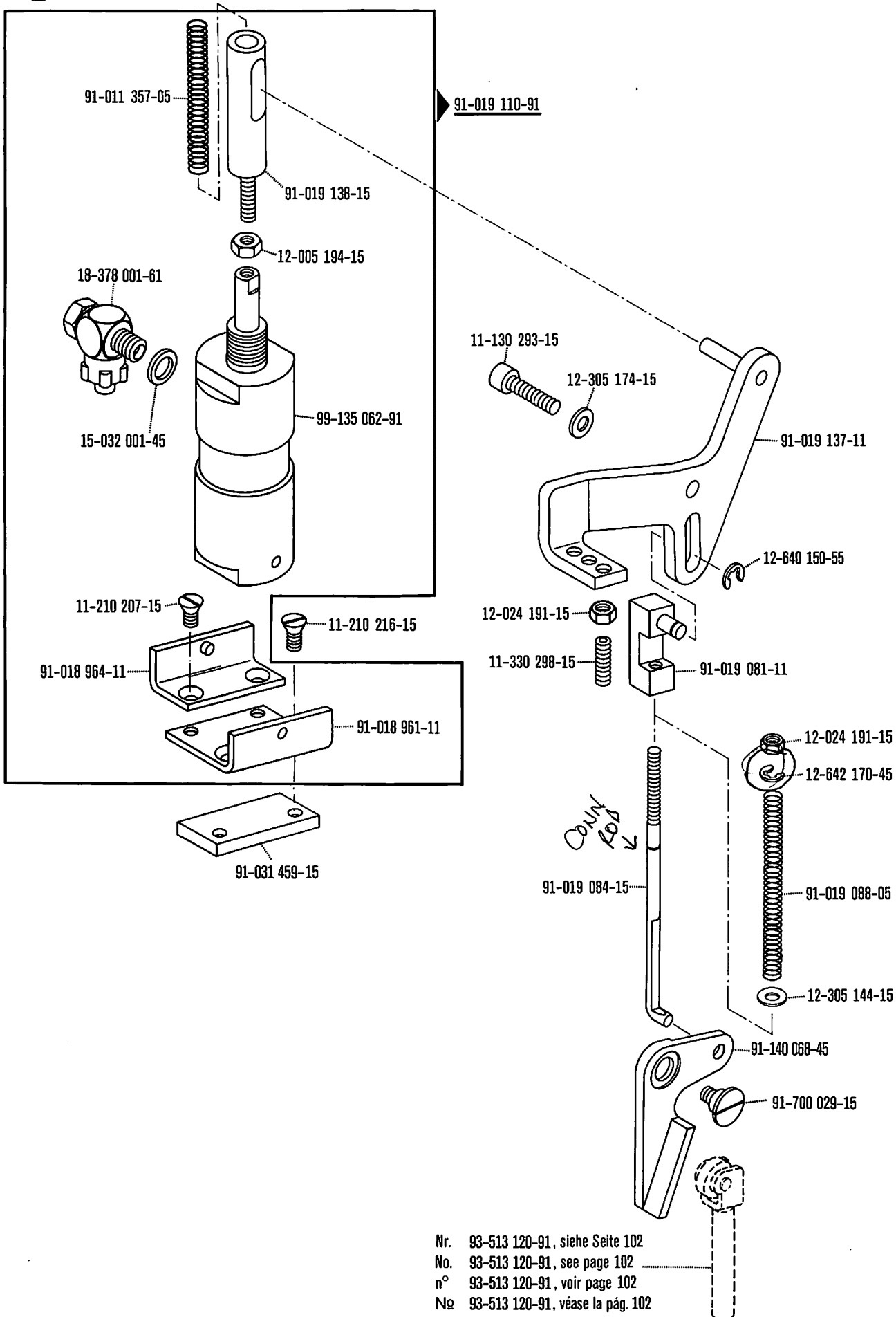




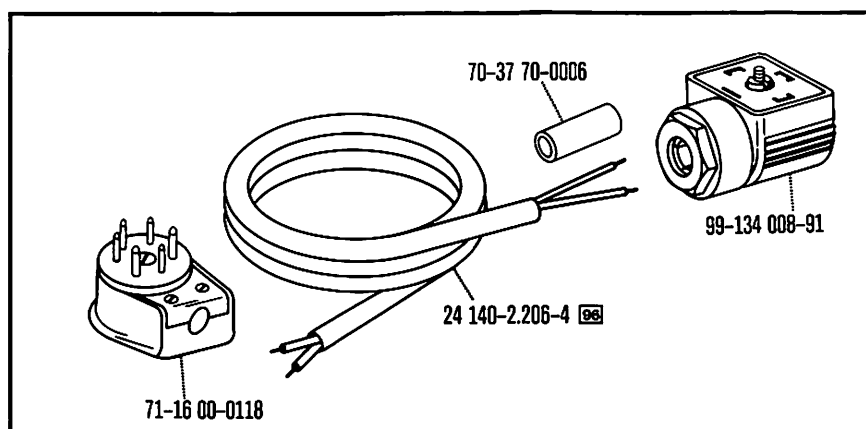
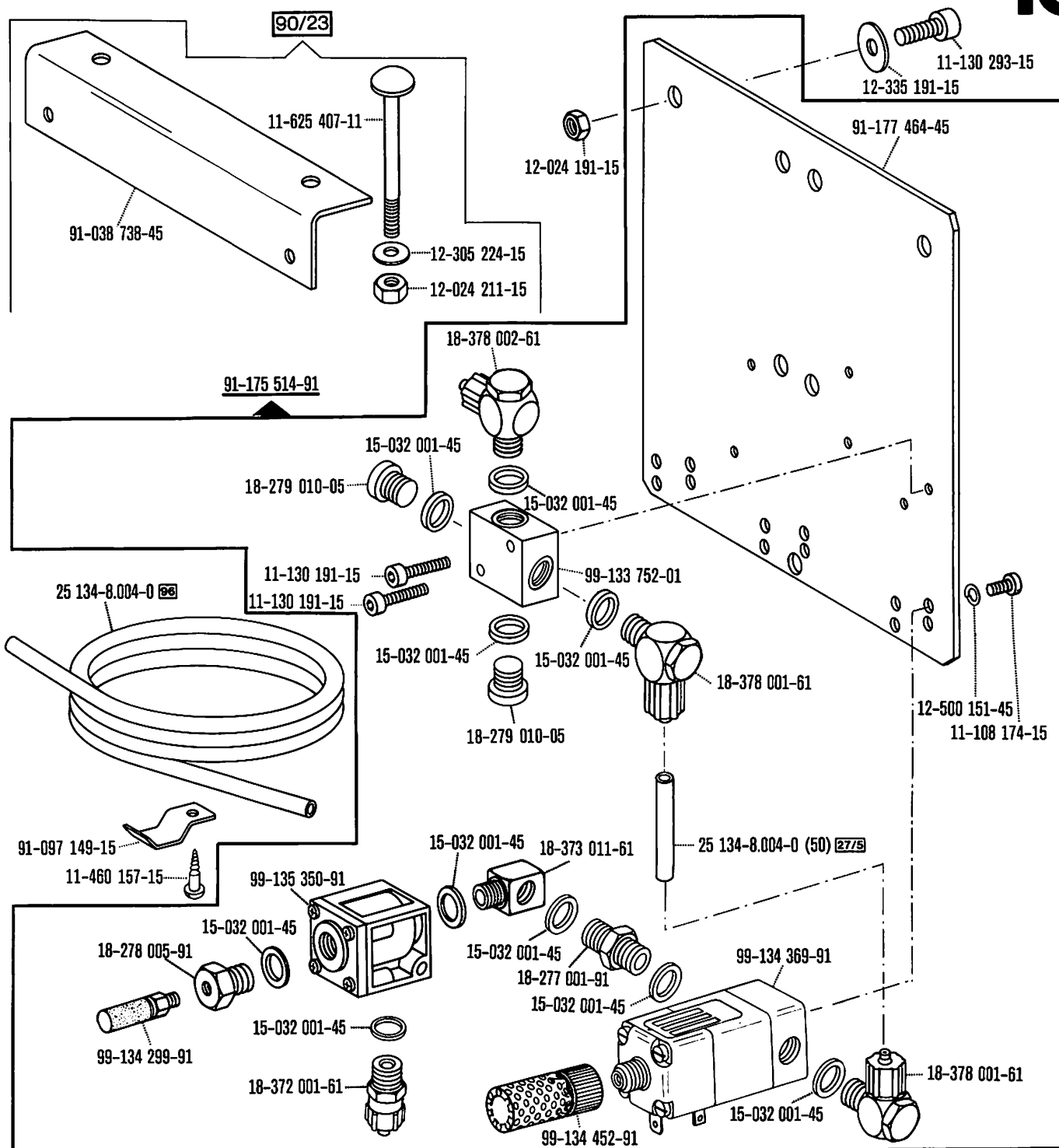
(nur bei Quick-Hebel-Stop-Motor NDK 700)
(on lever-operated NDK 700 Quick-Stop motor only)
(uniquement pour moteur Quick-Stop à levier, NDK 700)
(solo en motores Quick-Stop de palanca NDK 700)



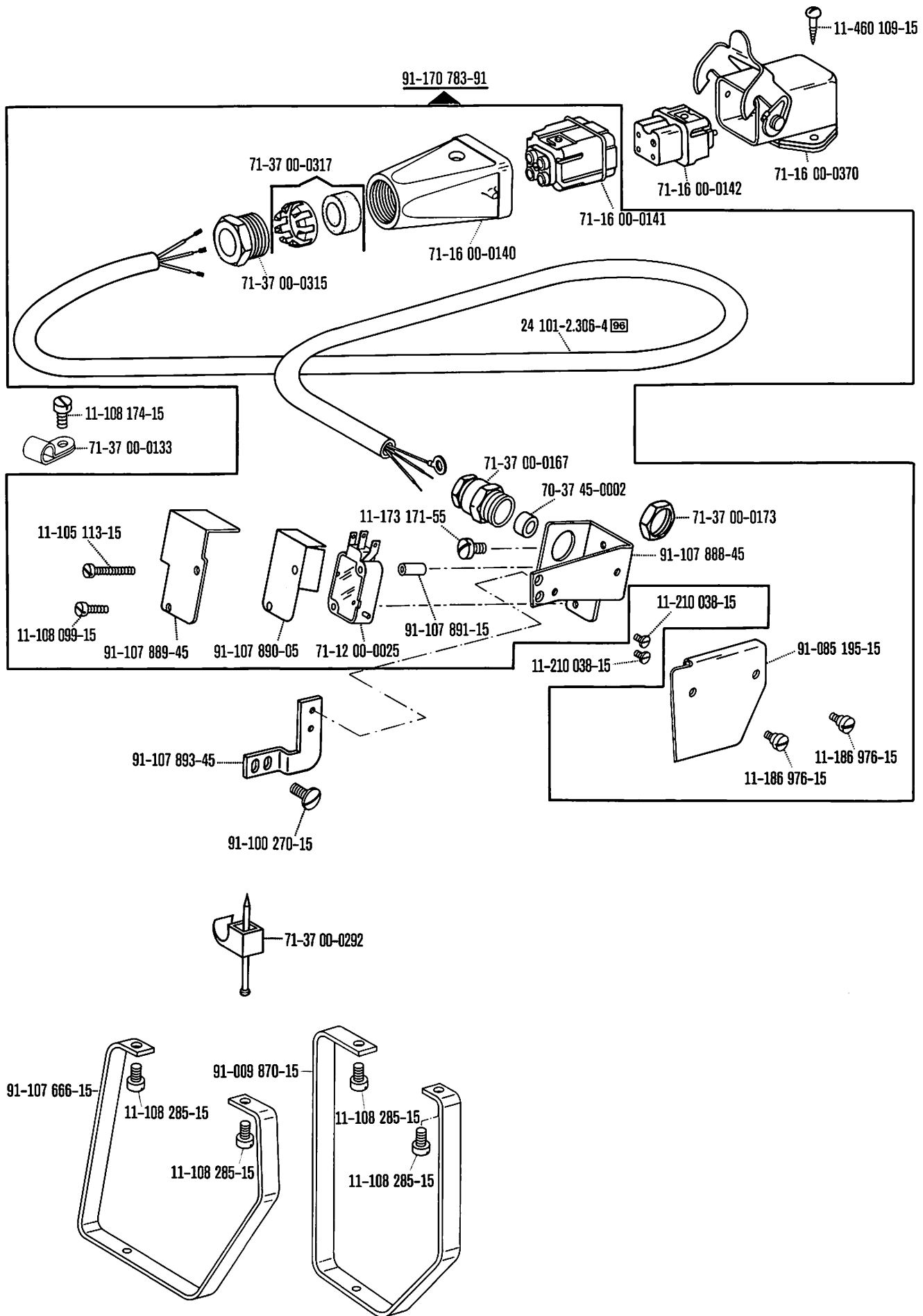


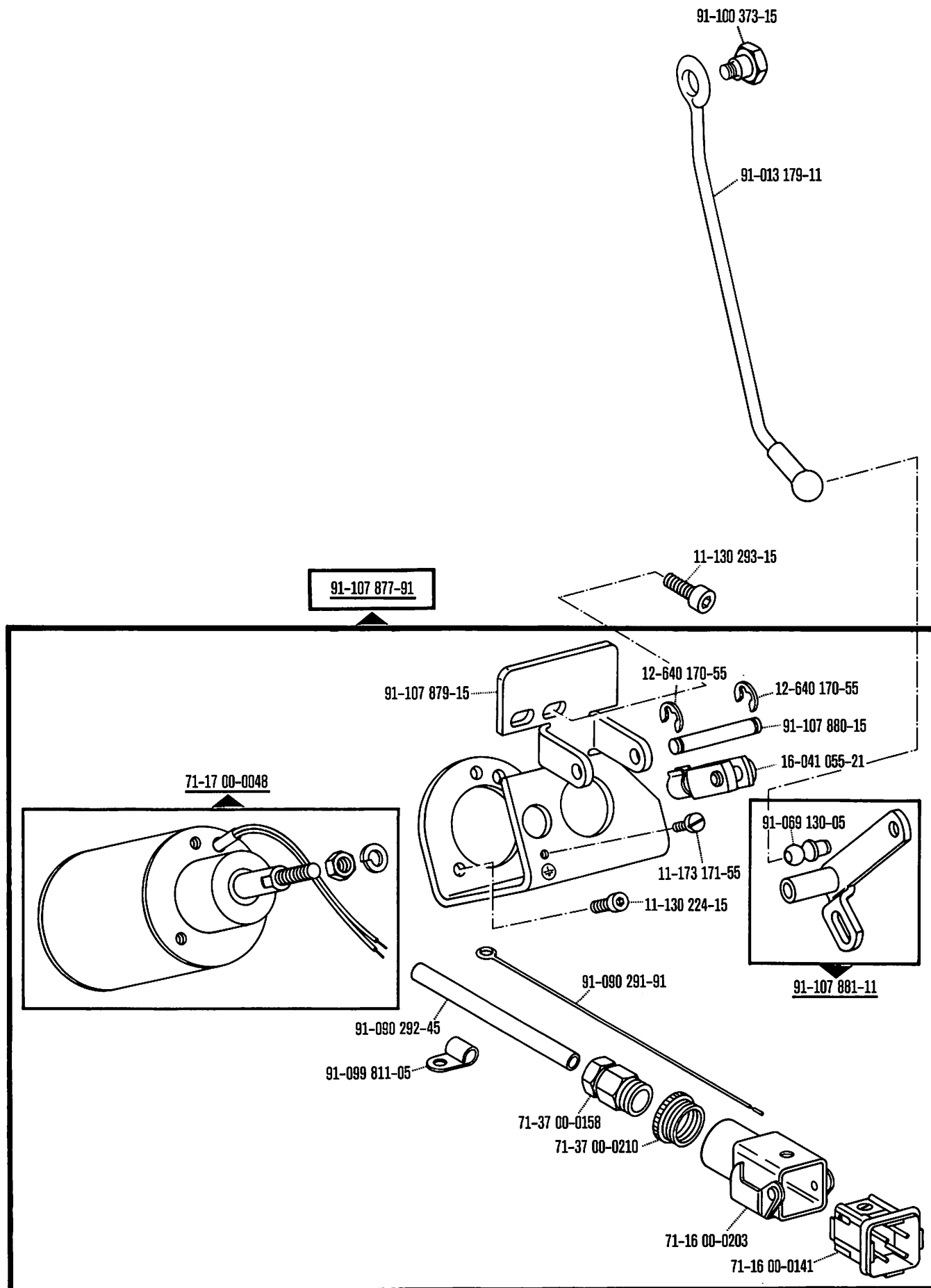


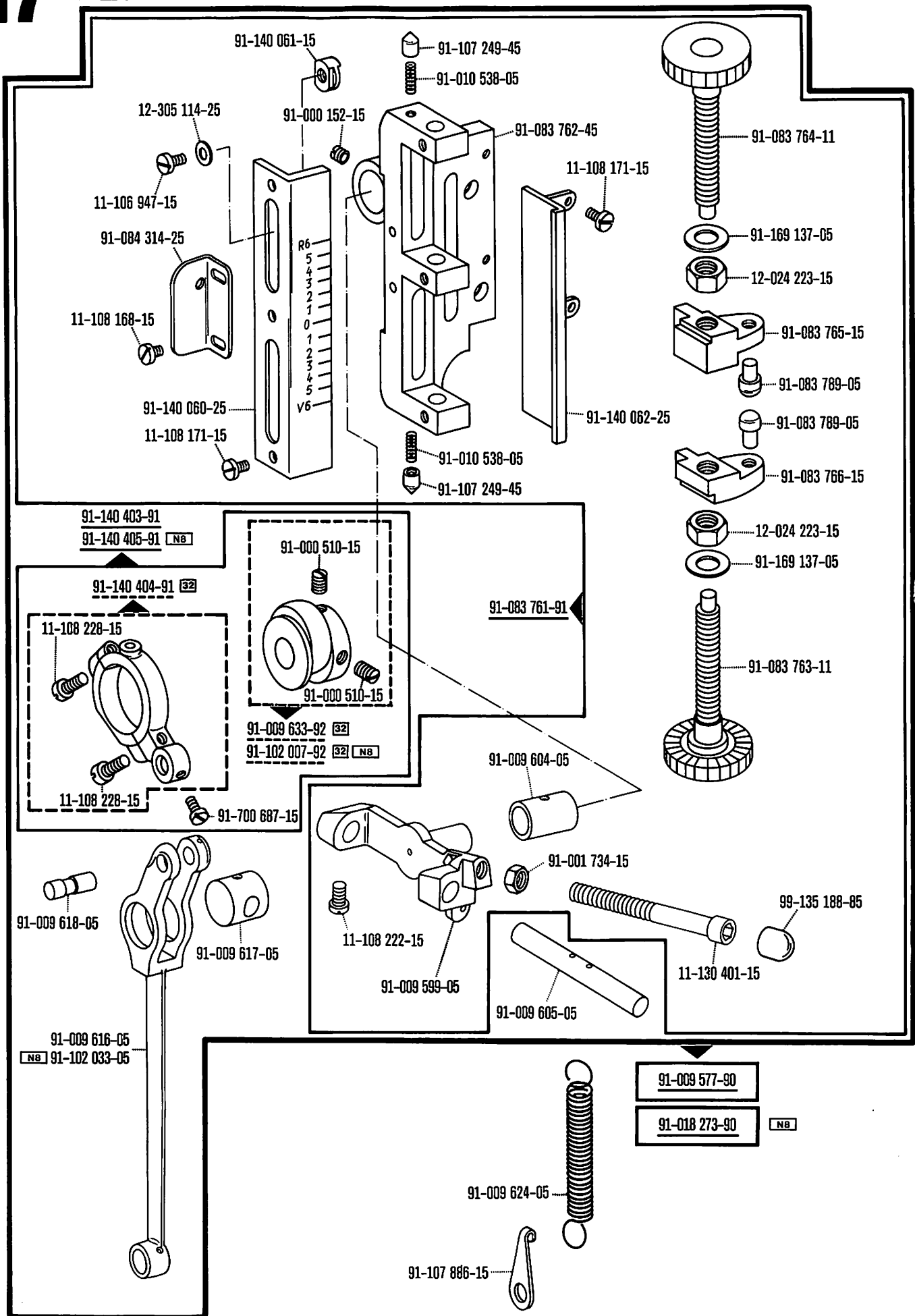
Nr. 93-513 120-91, siehe Seite 102
No. 93-513 120-91, see page 102
n° 93-513 120-91, voir page 102
№ 93-513 120-91, véase la pág. 102

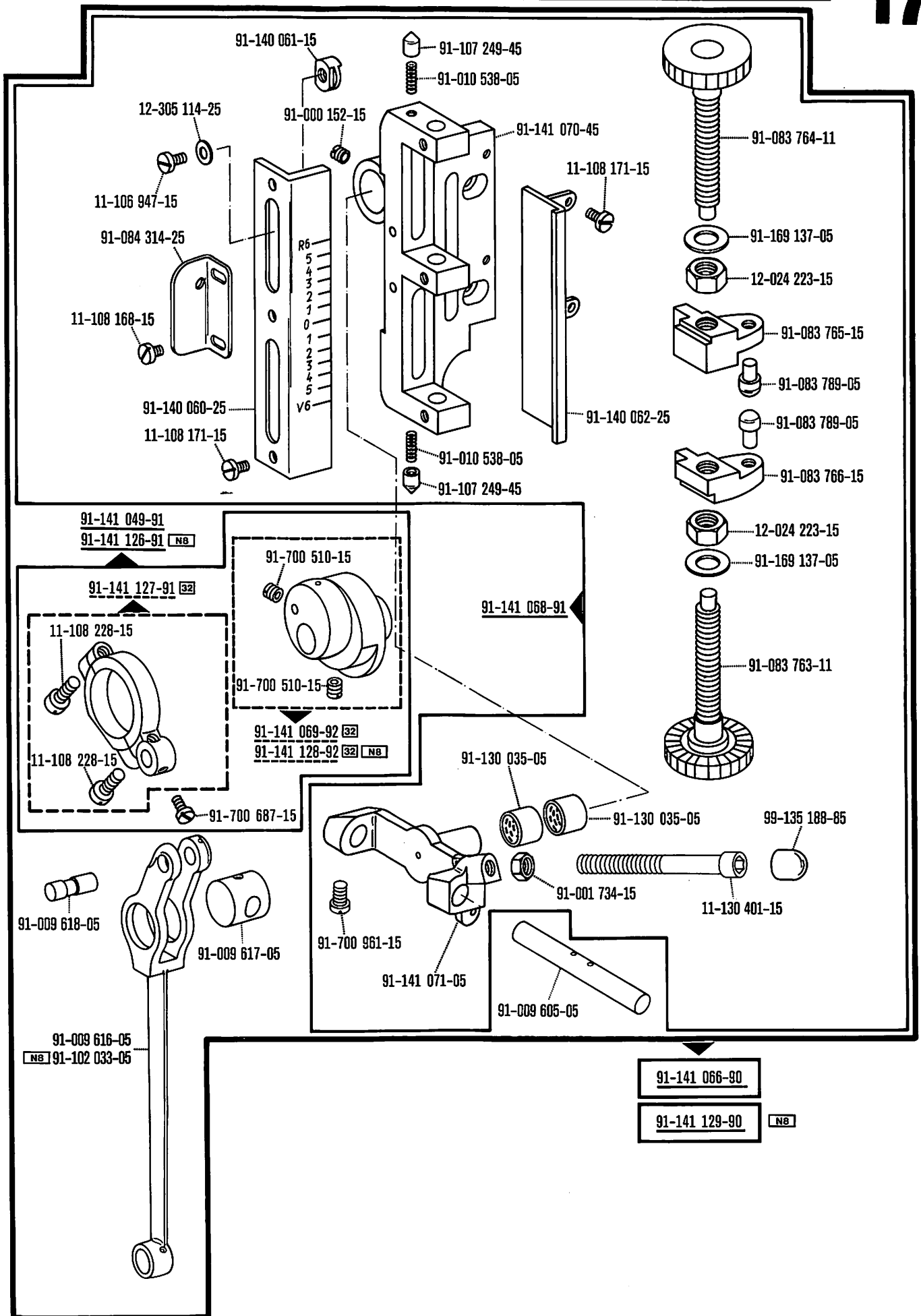


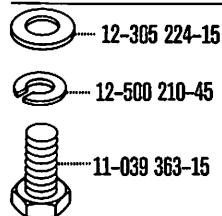
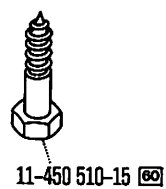
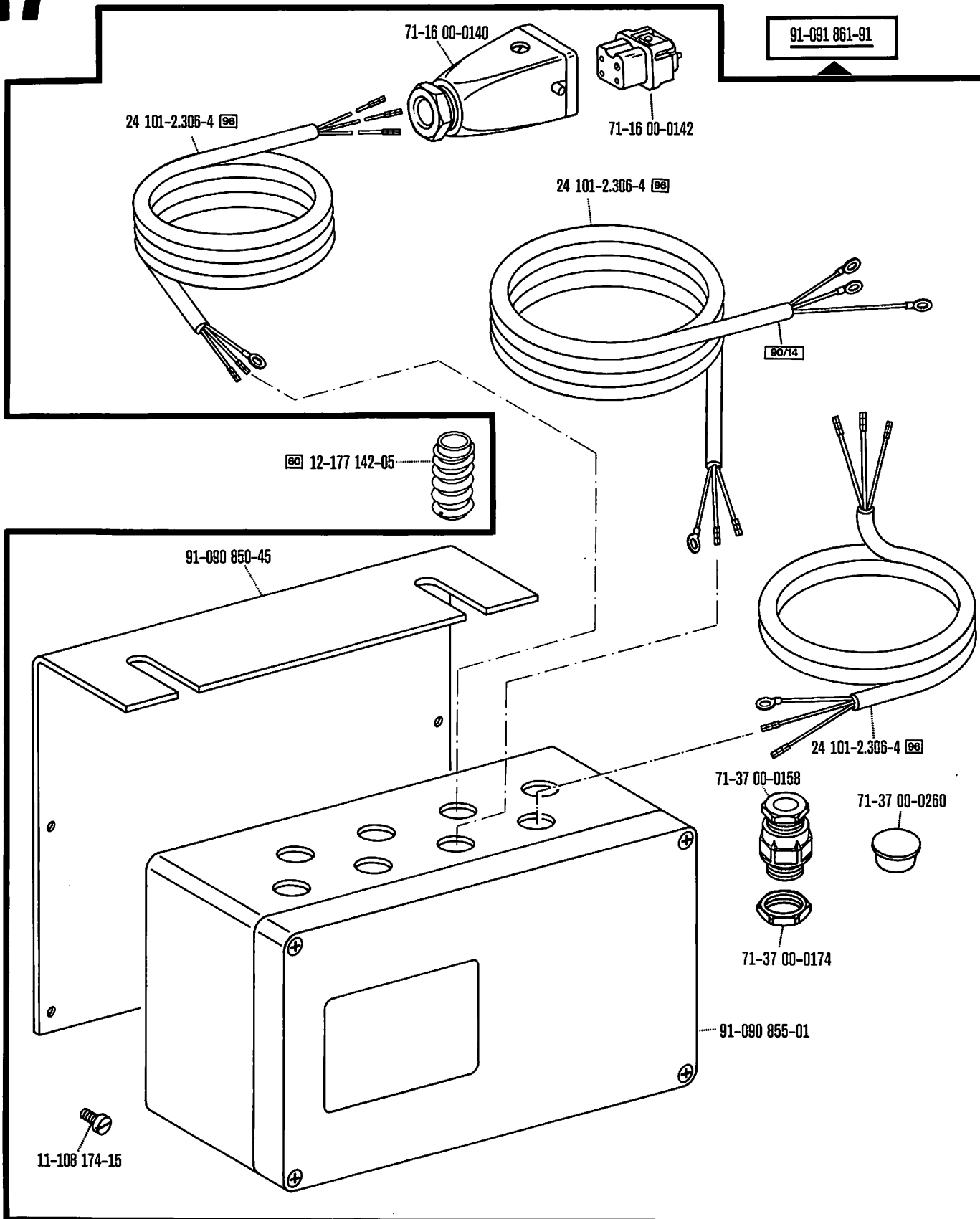
91-095 829-91



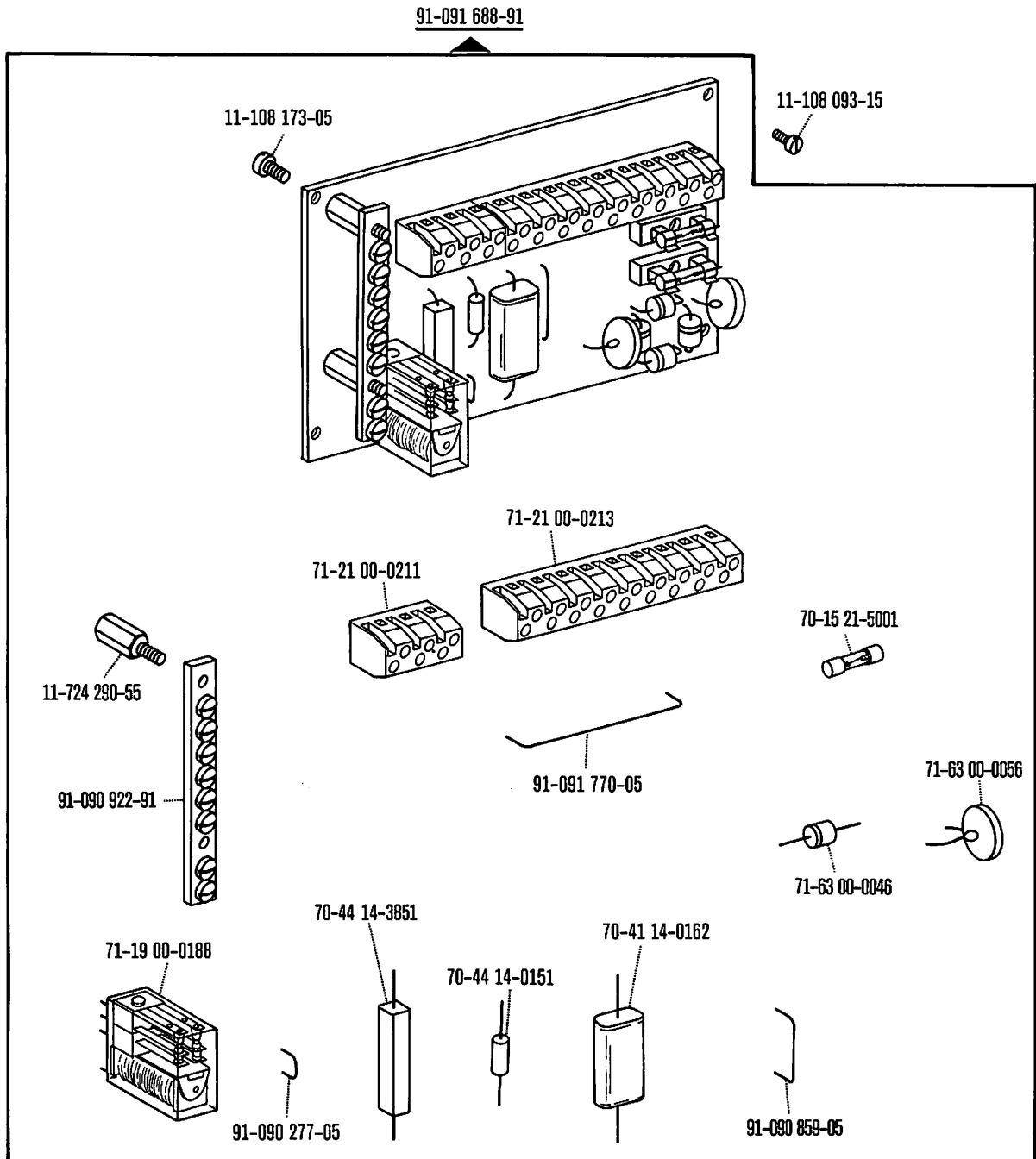




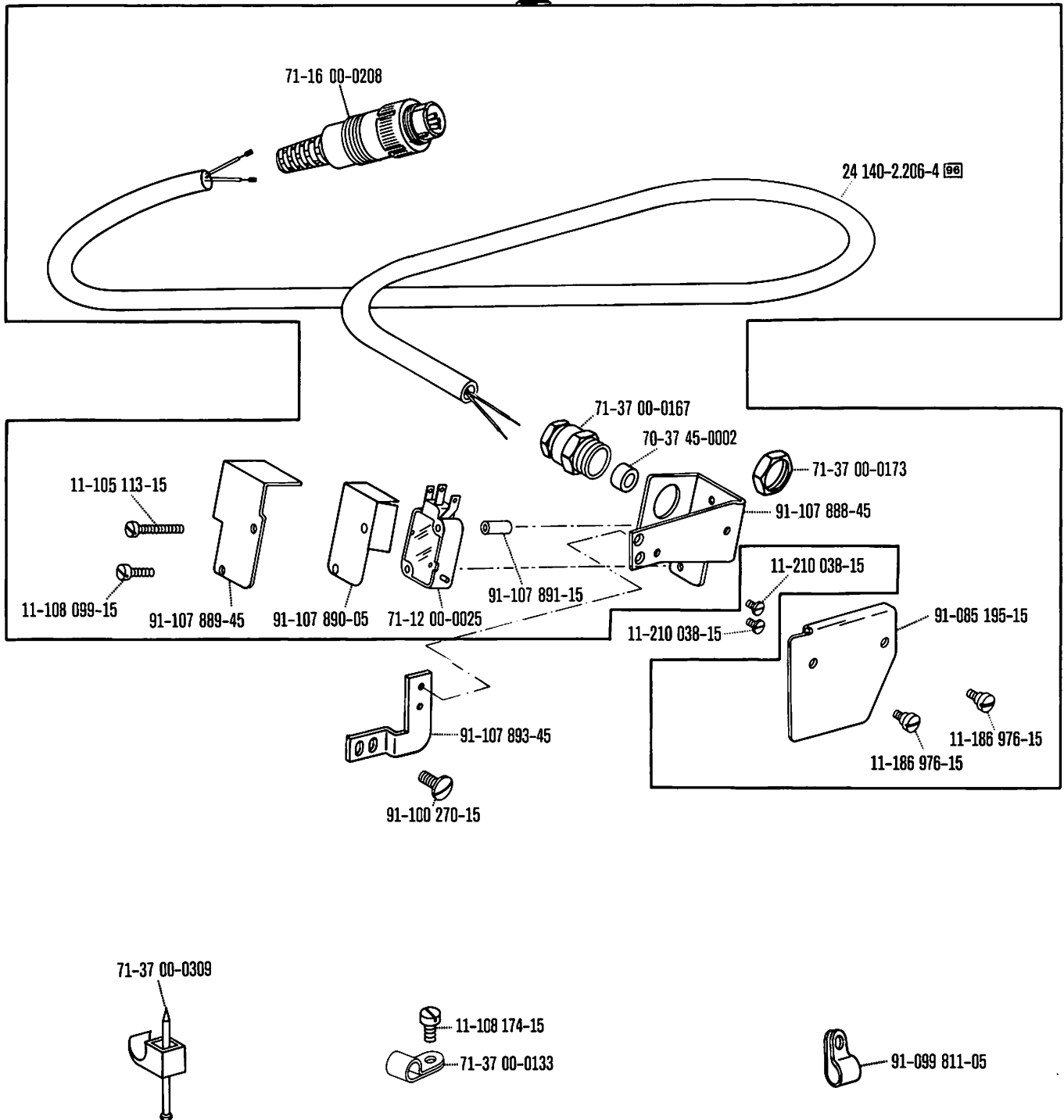


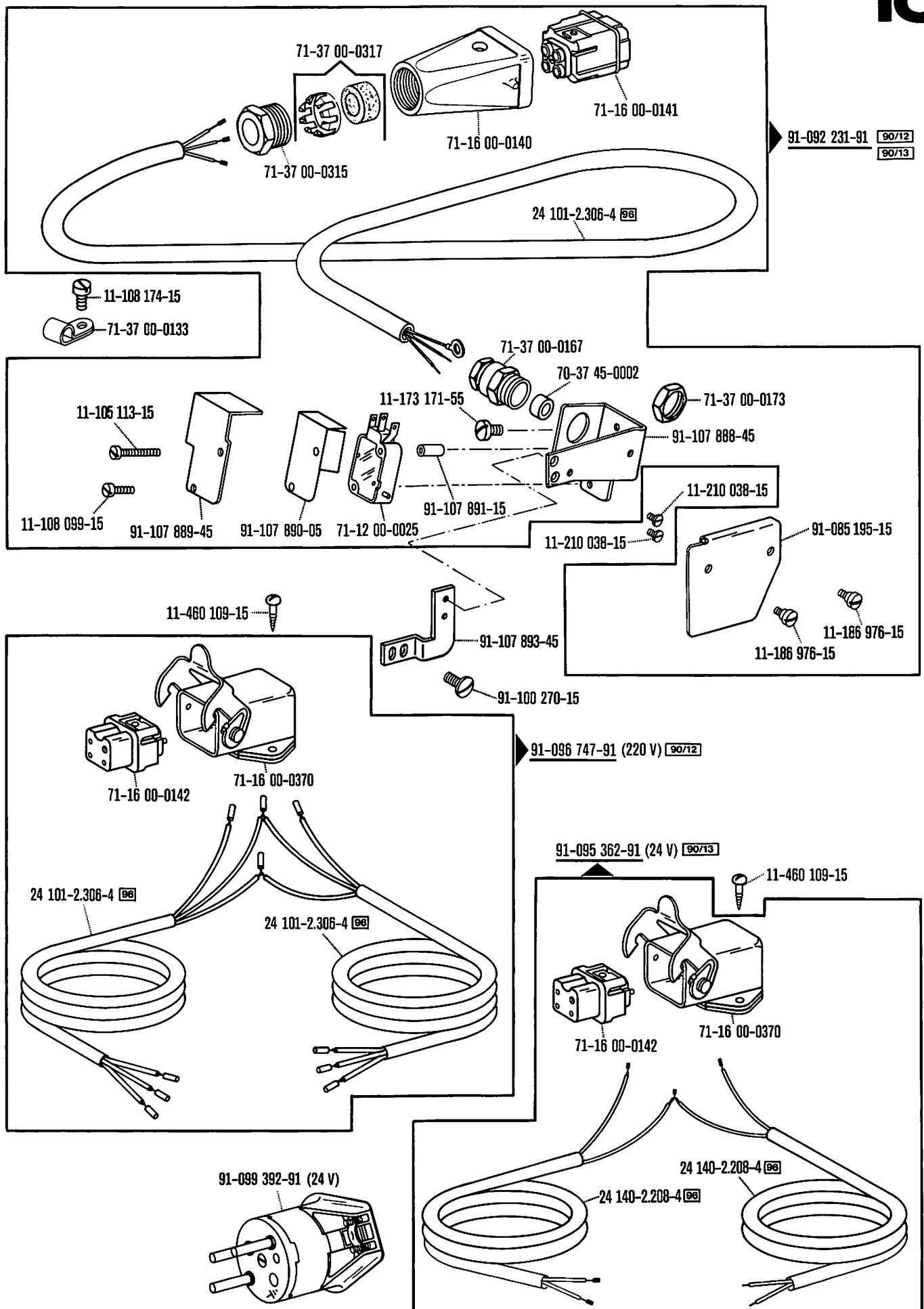


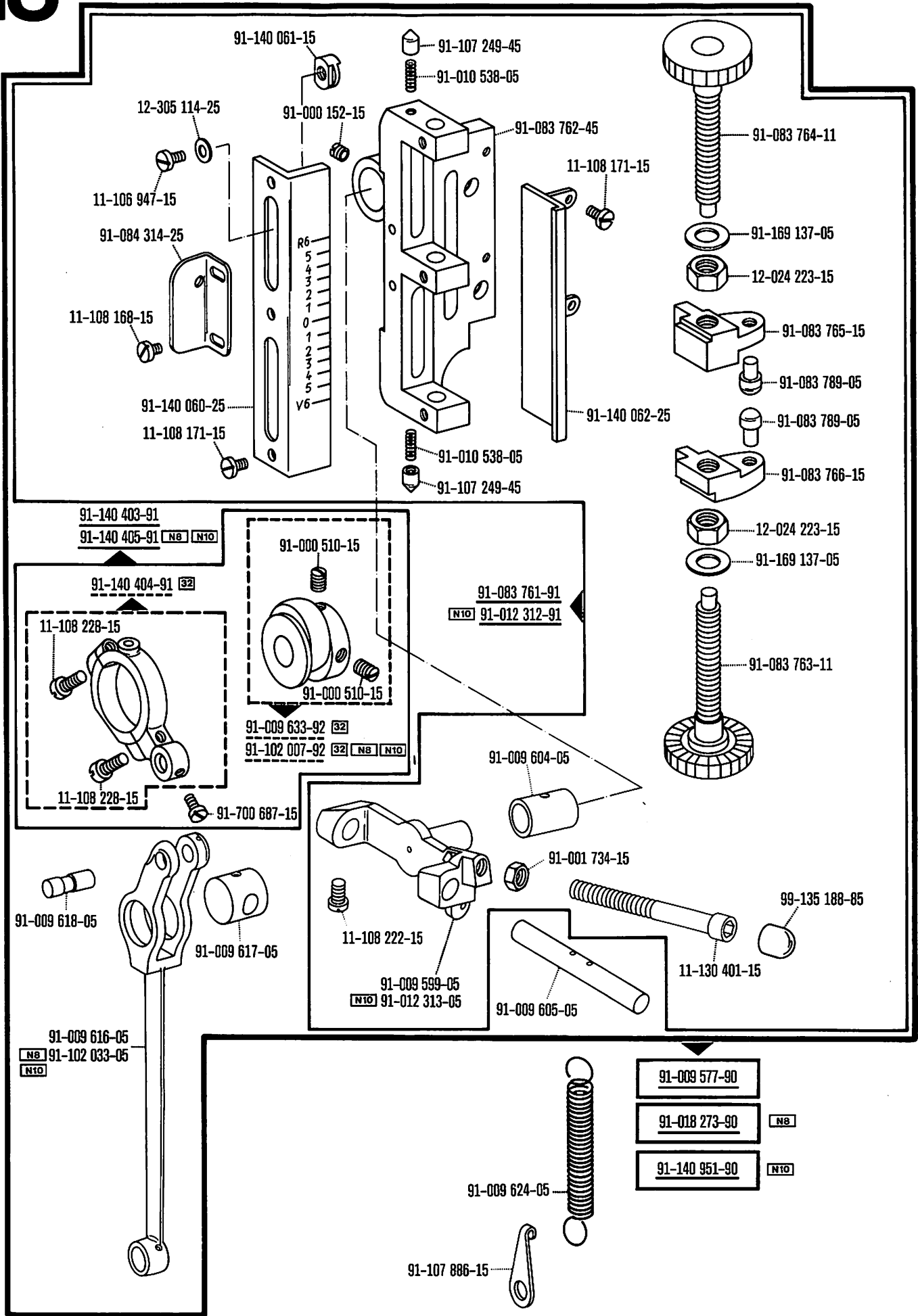
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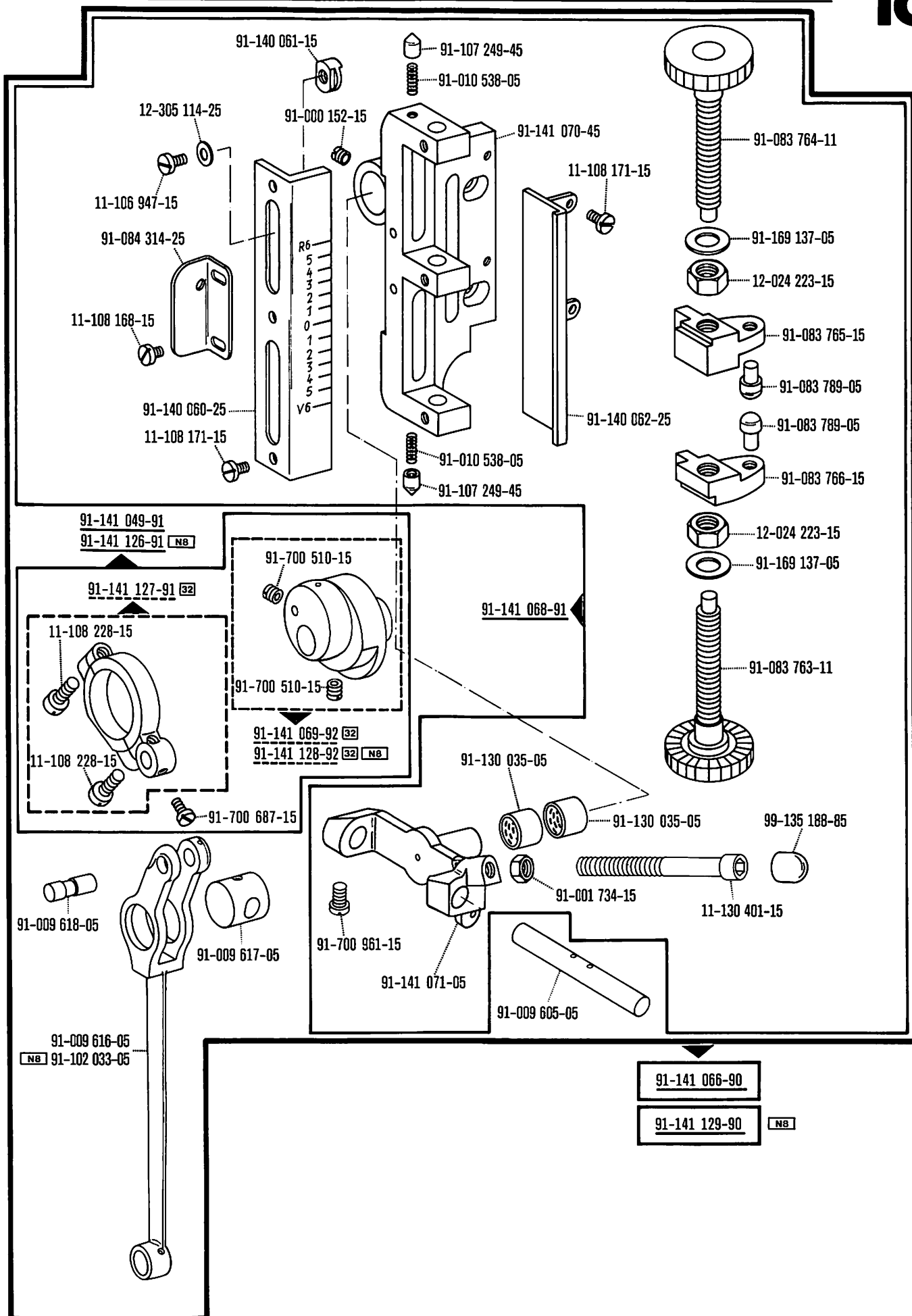


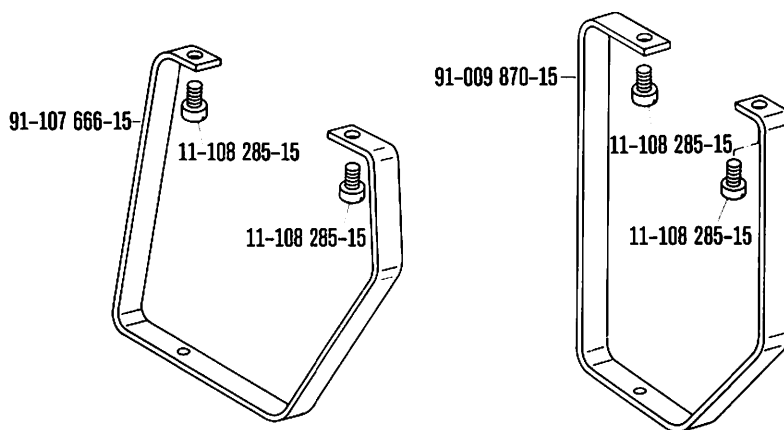
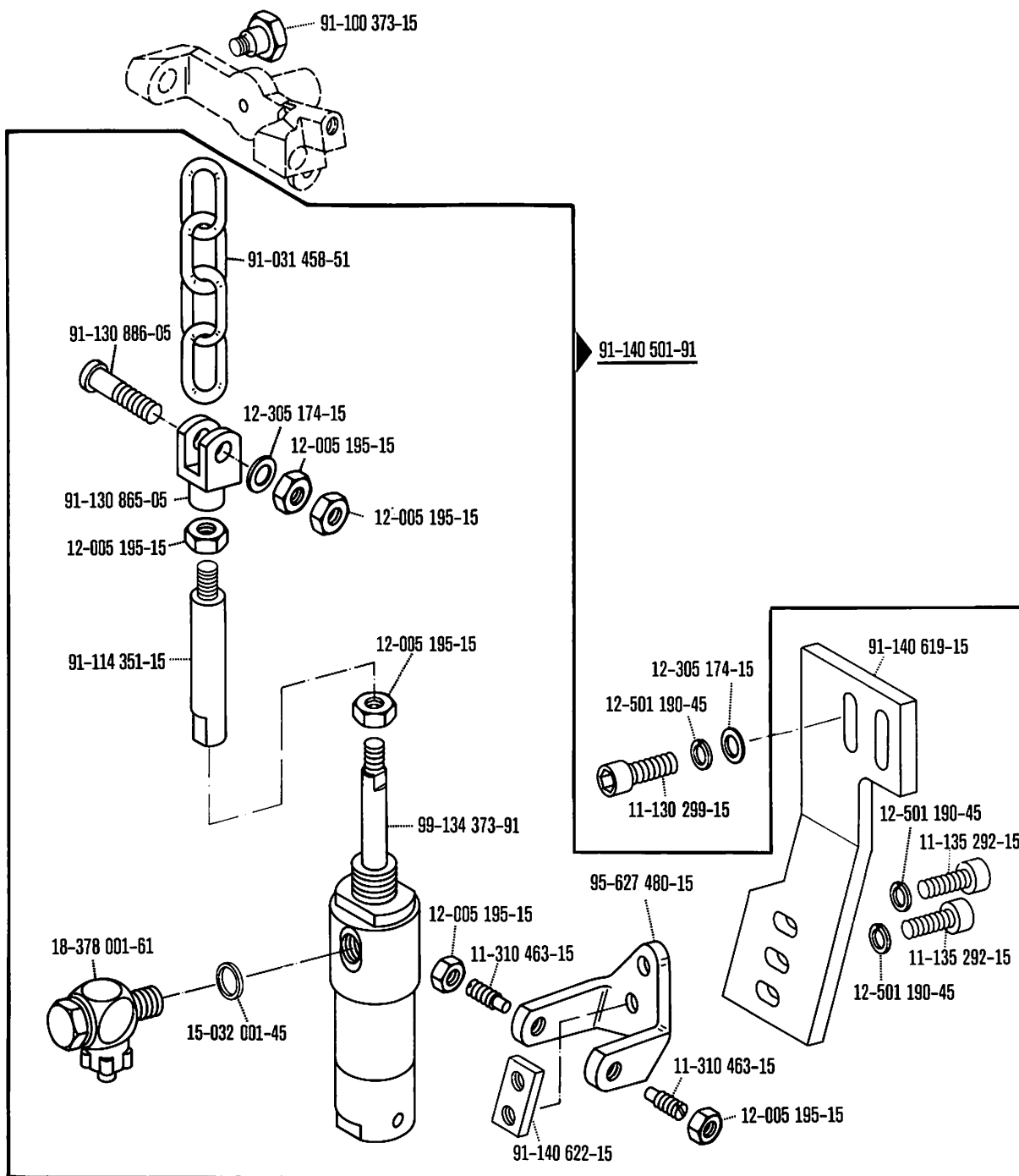
91-092 210-91 (90/11)

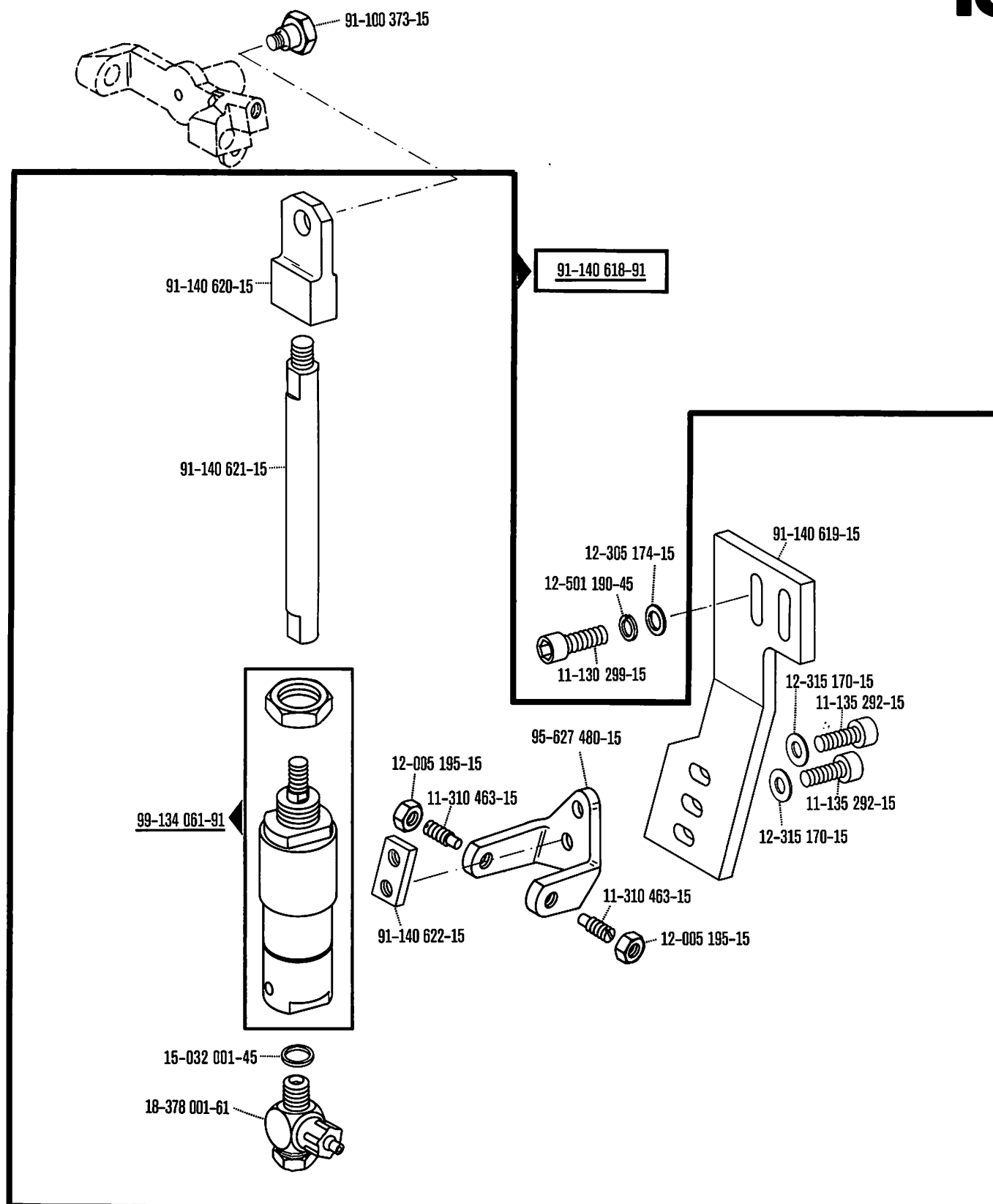


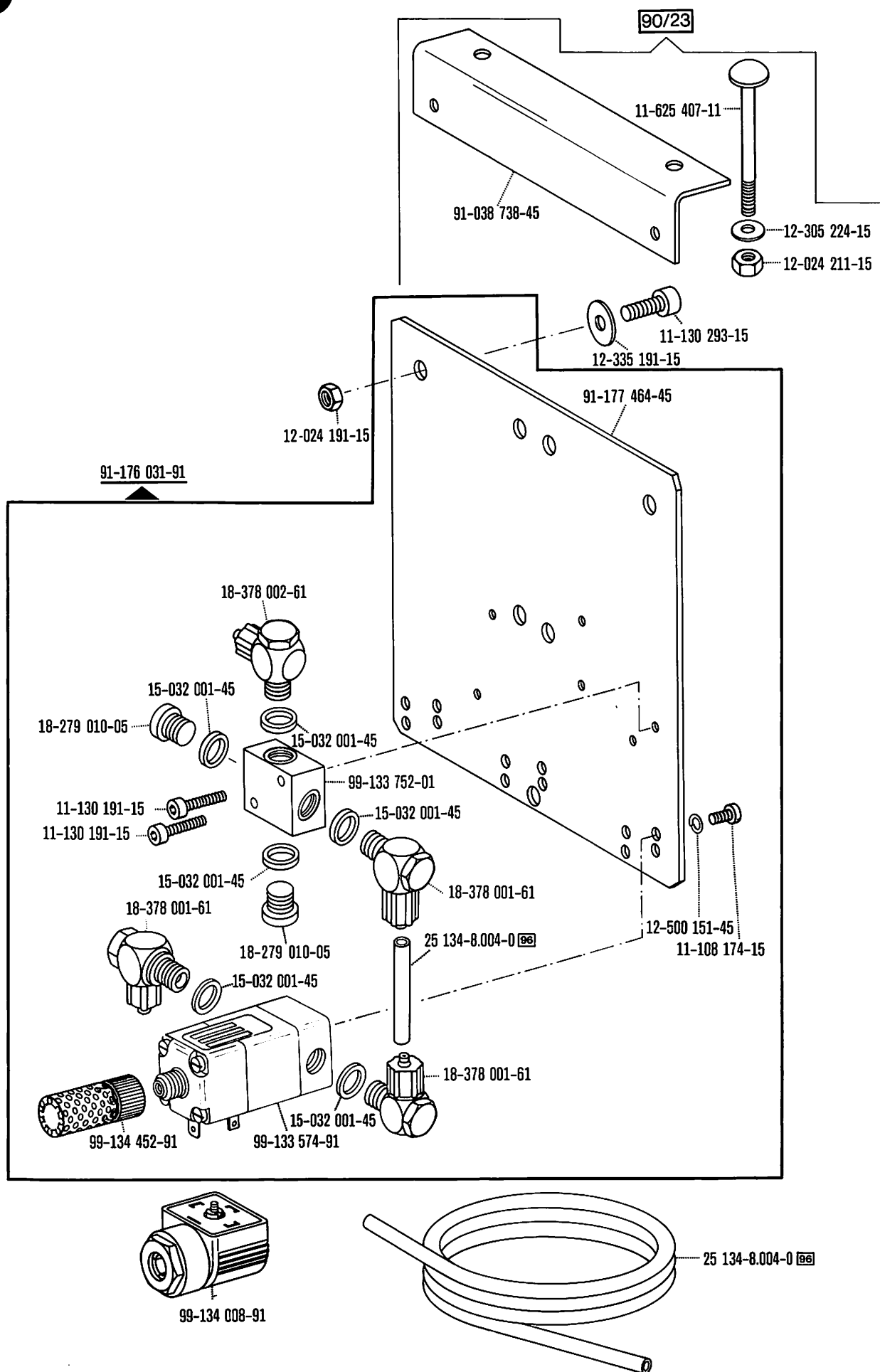


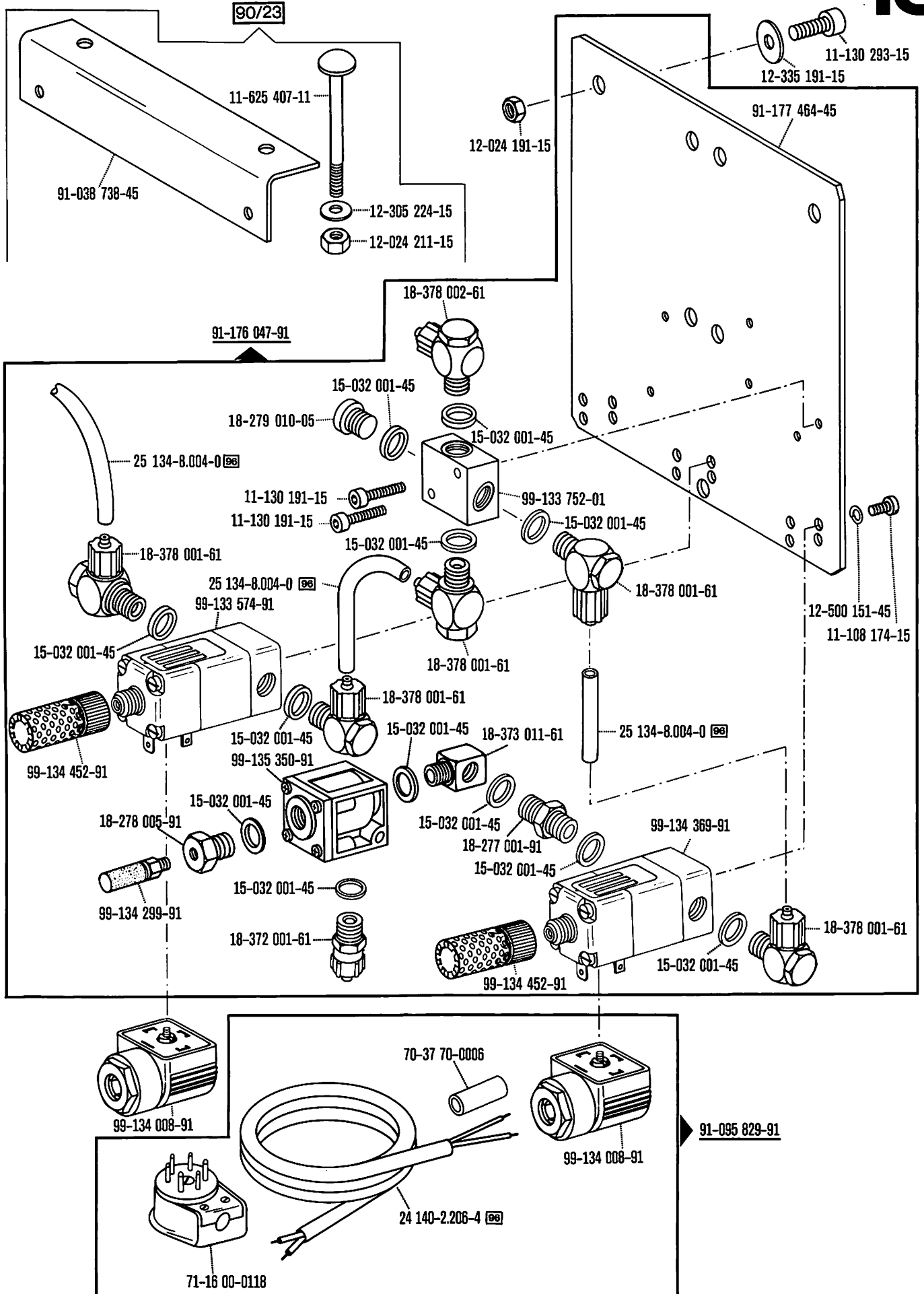


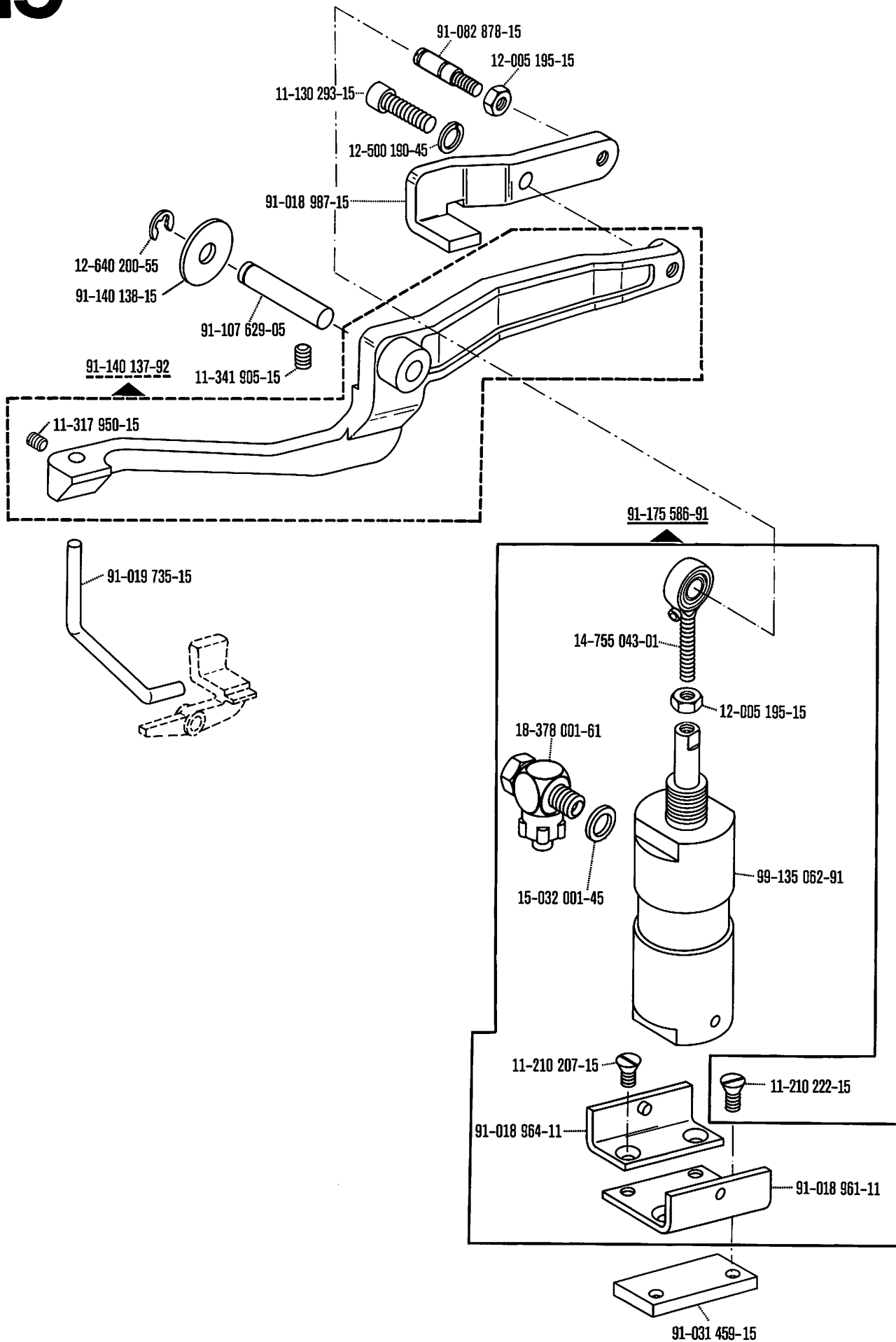


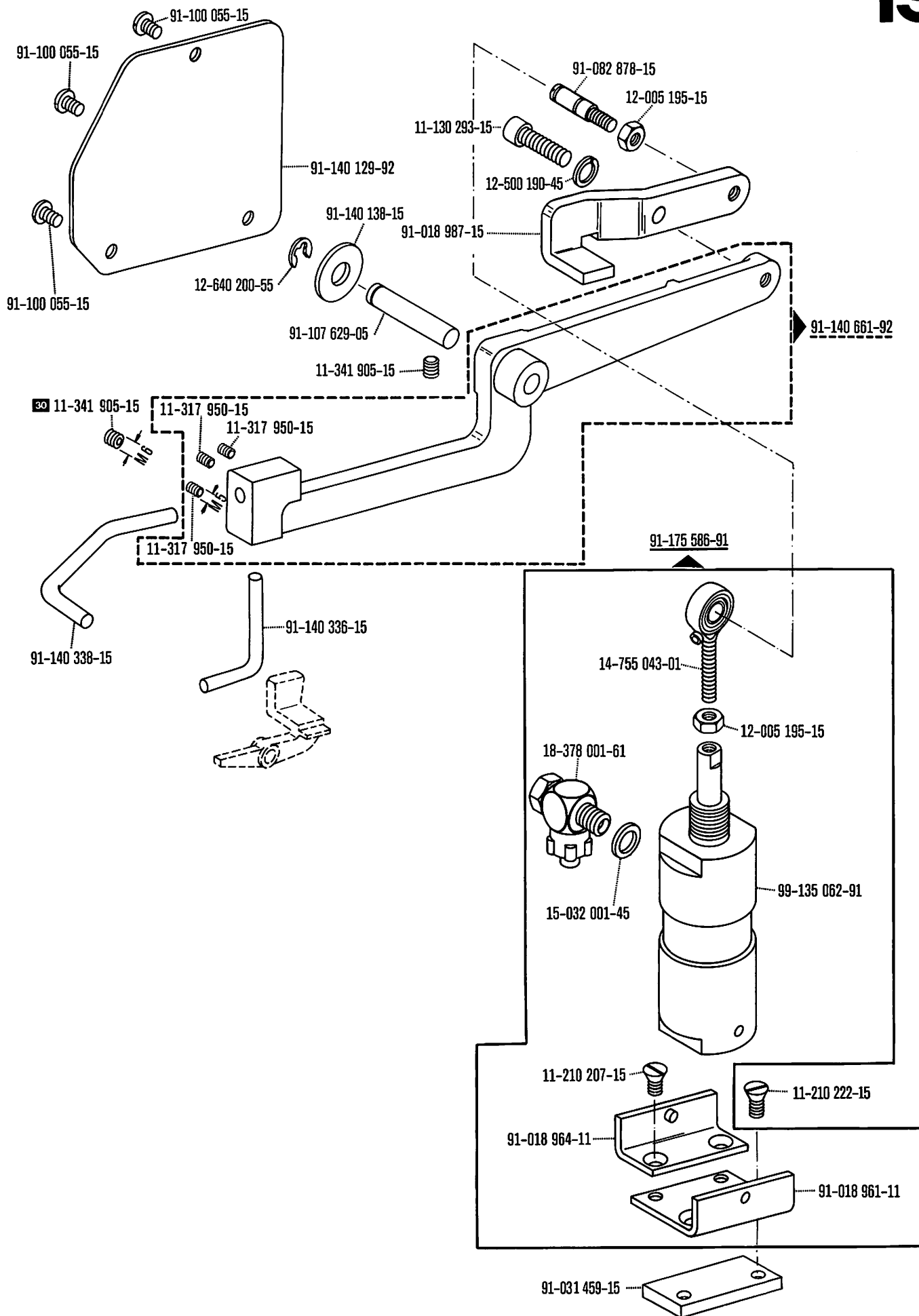


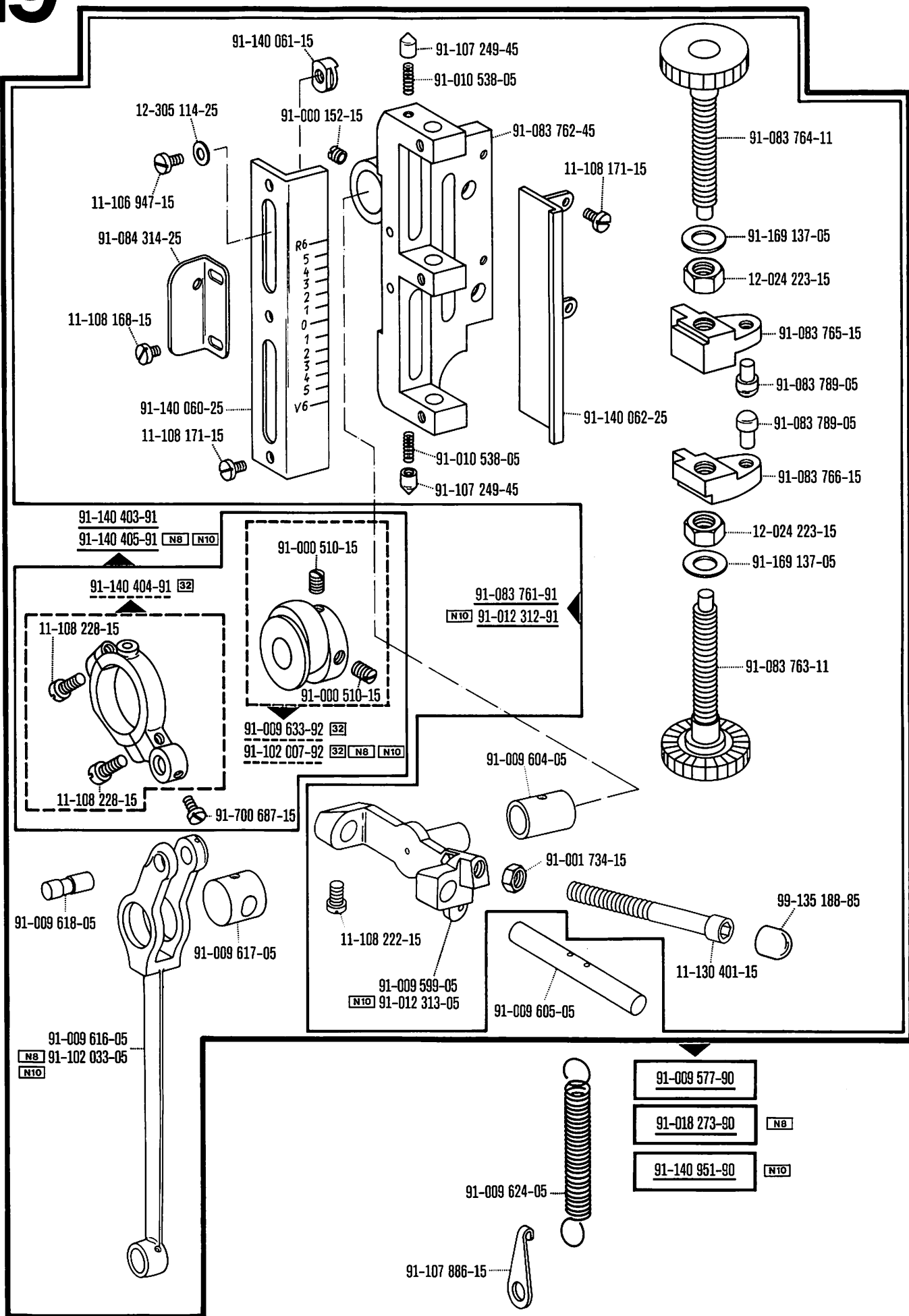


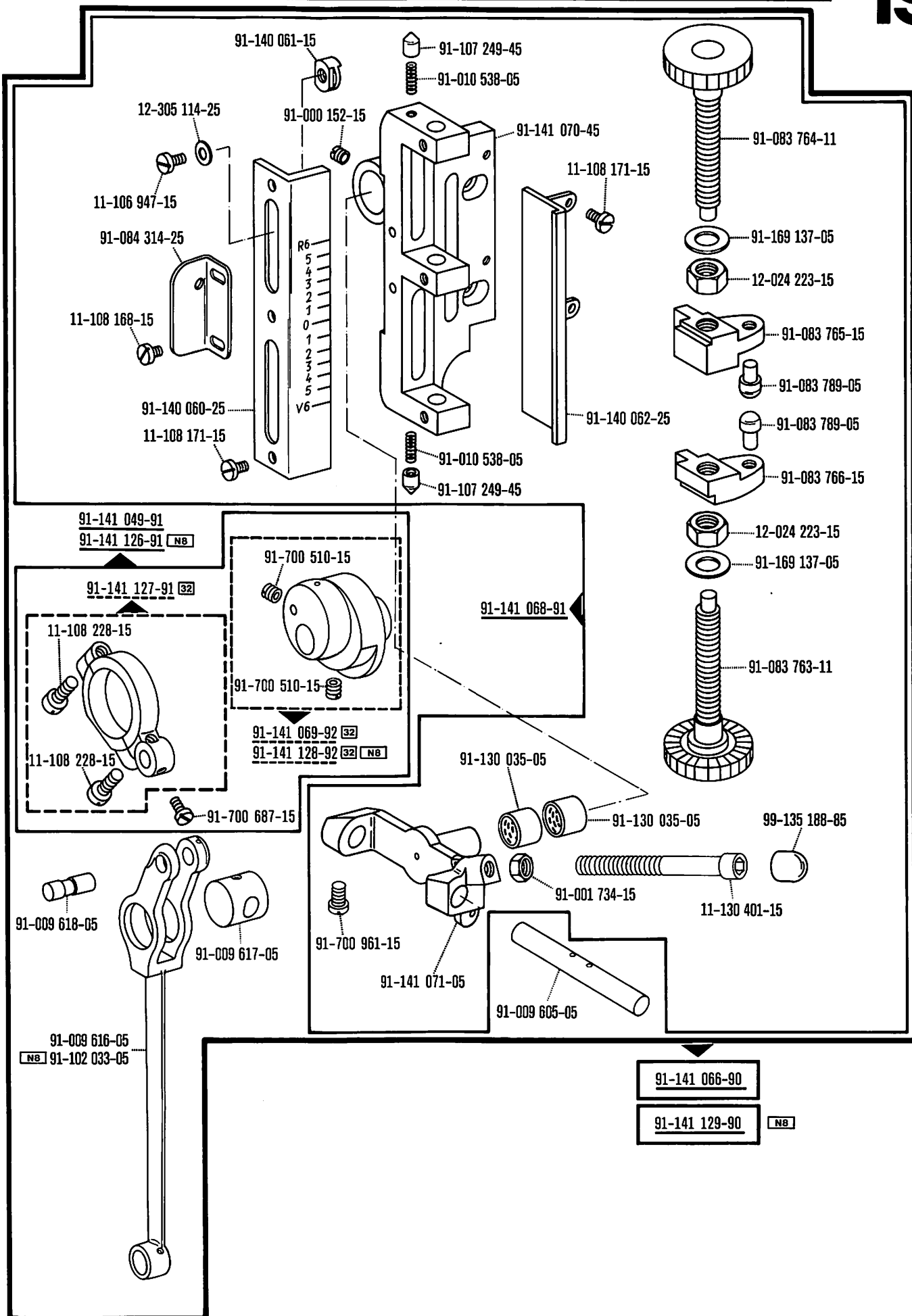








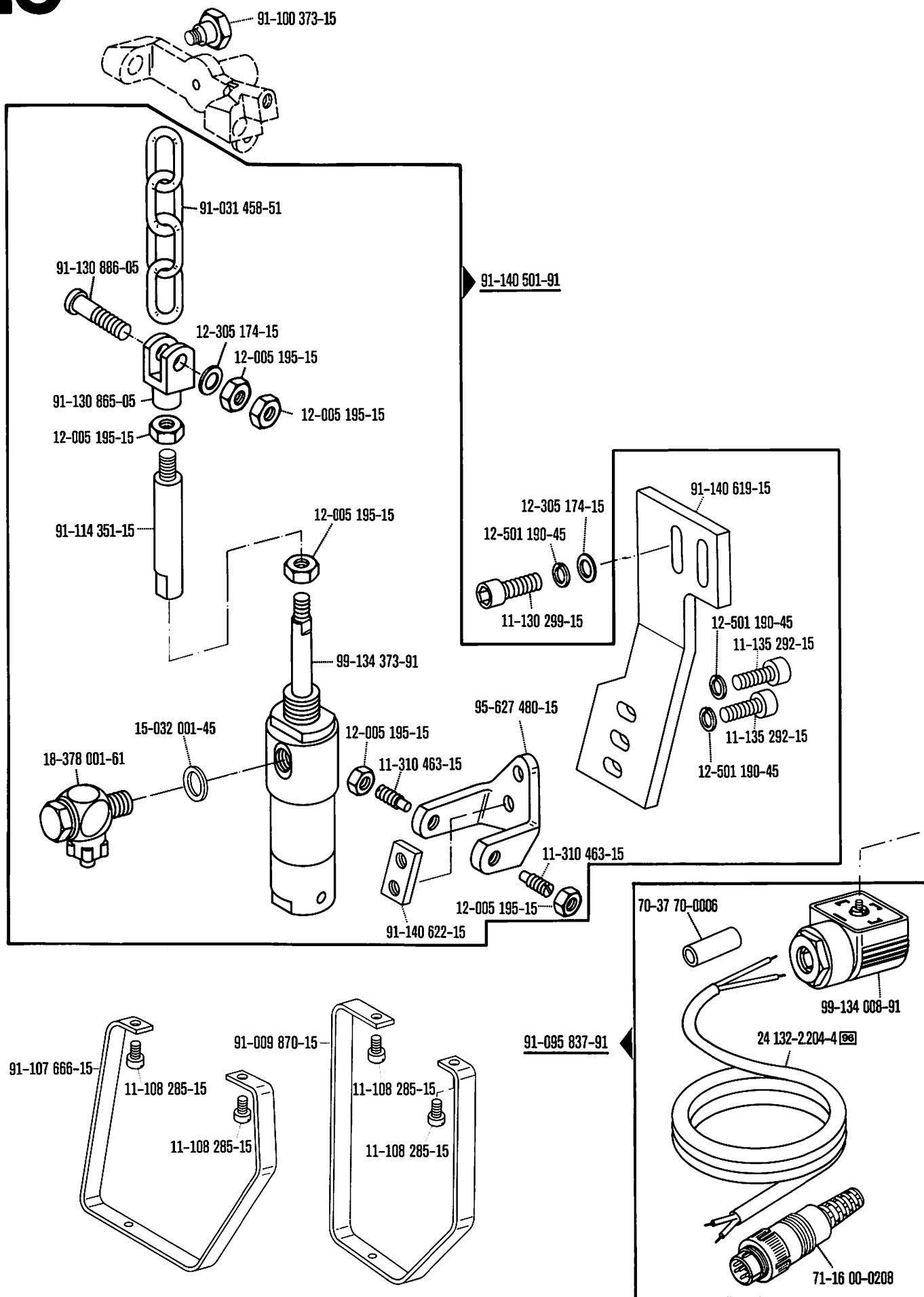


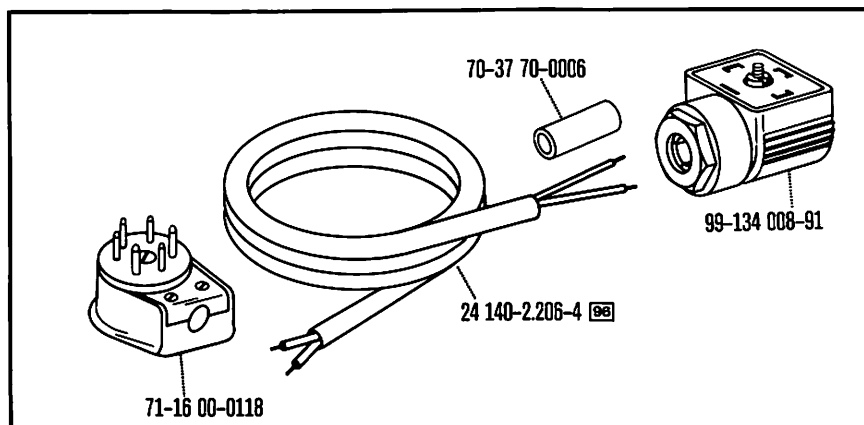
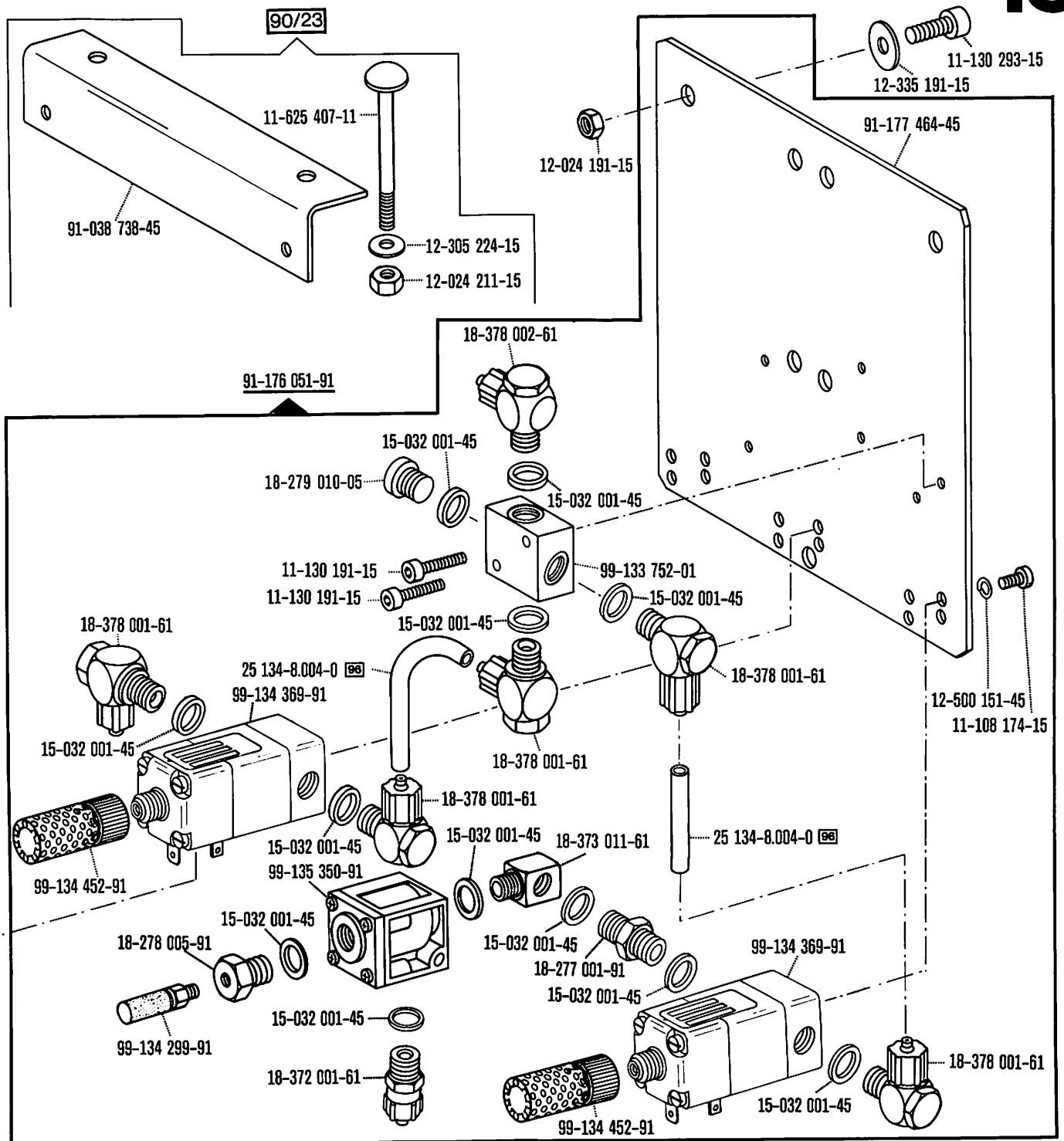


-911/15*) Pfaff 245-706/05
 -911/35*) zur - pour les Pfaff 1245-706/05; -706/07; -706/35; -706/48
 for - para las Pfaff 1245-0-706/05; -706/07
 -911/36*)

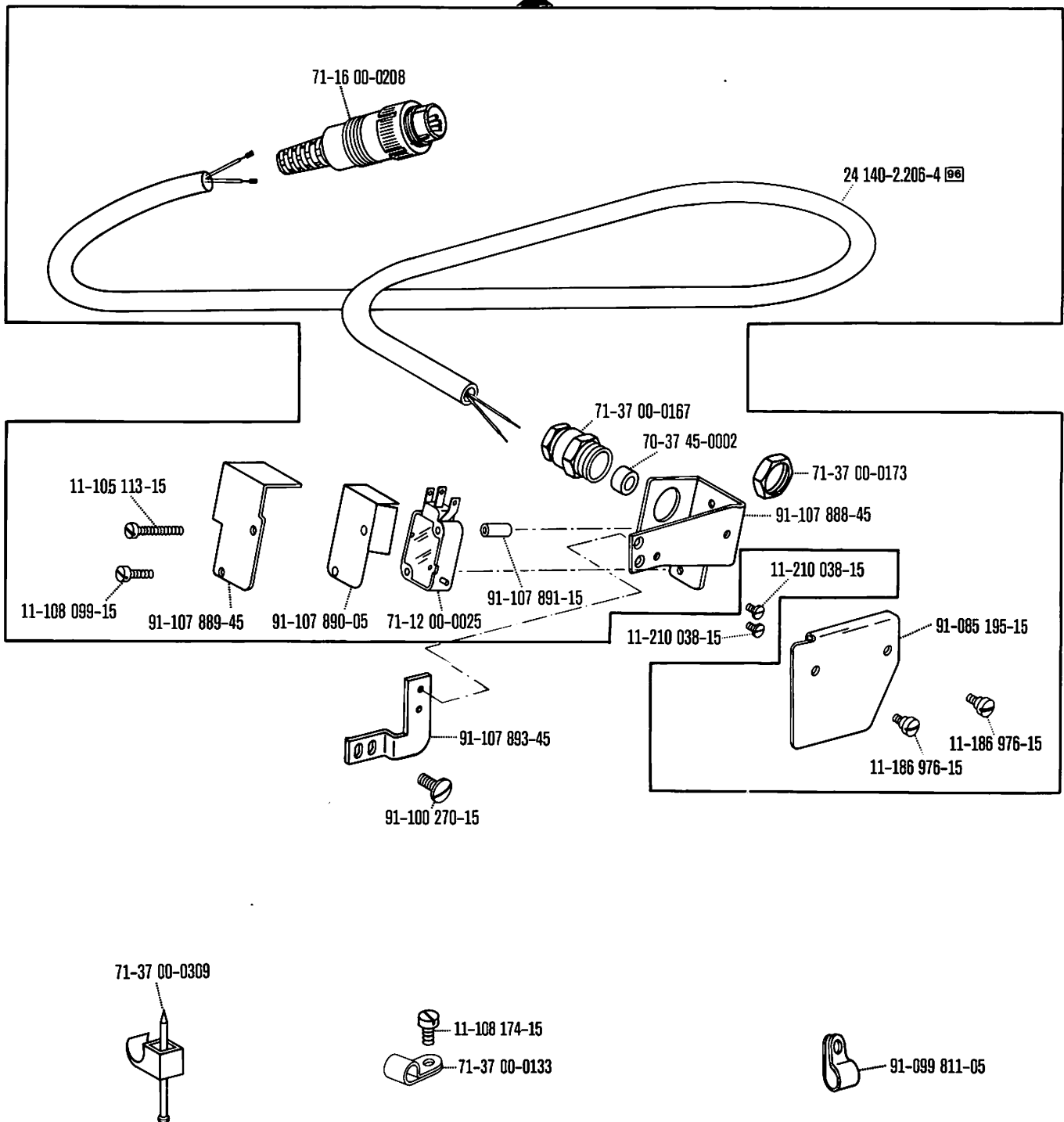
Wartungseinheit -925/01 erforderlich
 Conditioning unit -925/01 required
 Conditionneur d'air comprimé -925/01 nécessaire
 Requiere grupo acondicionador del aire comprimido -925/01

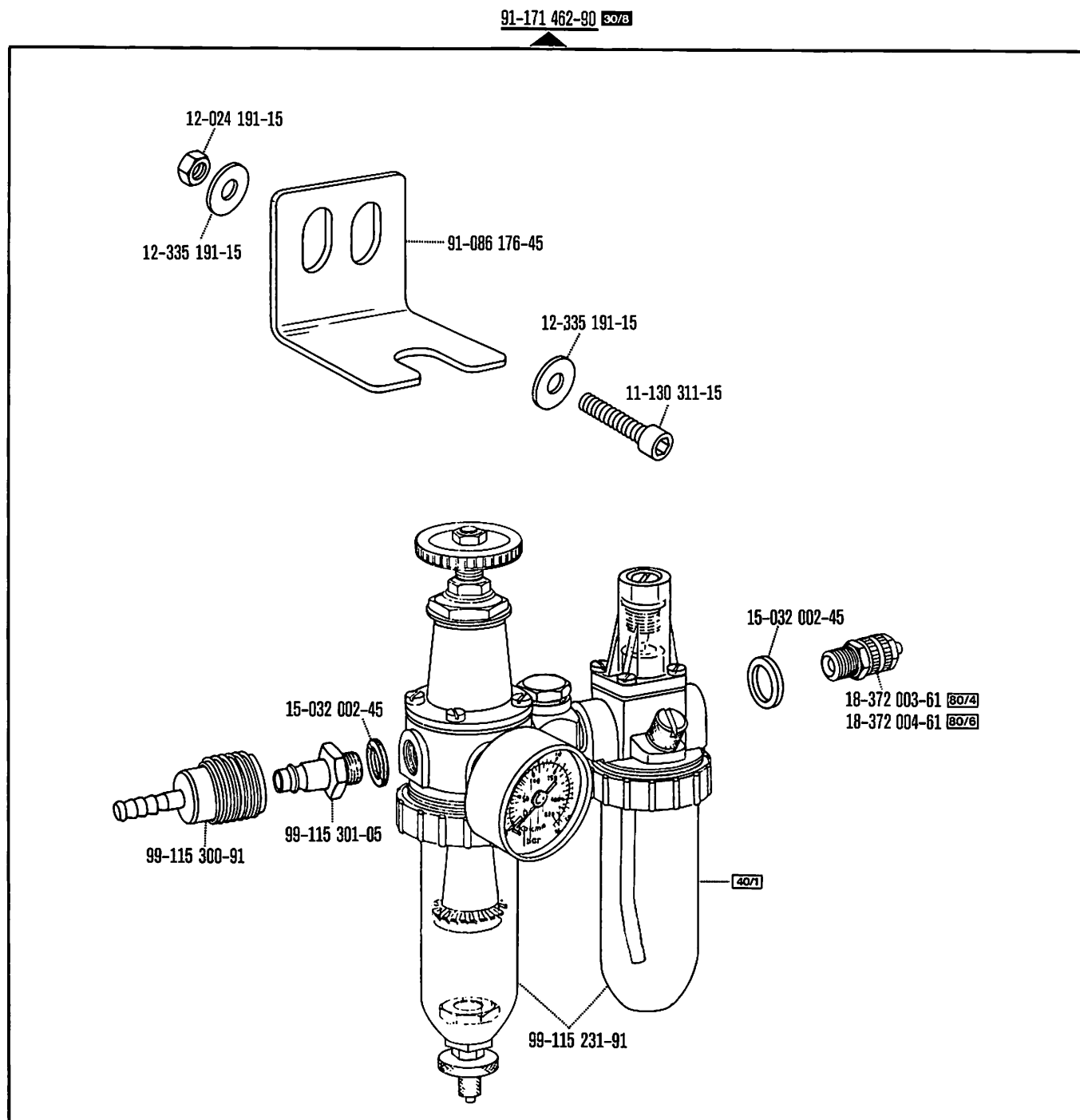
2.84



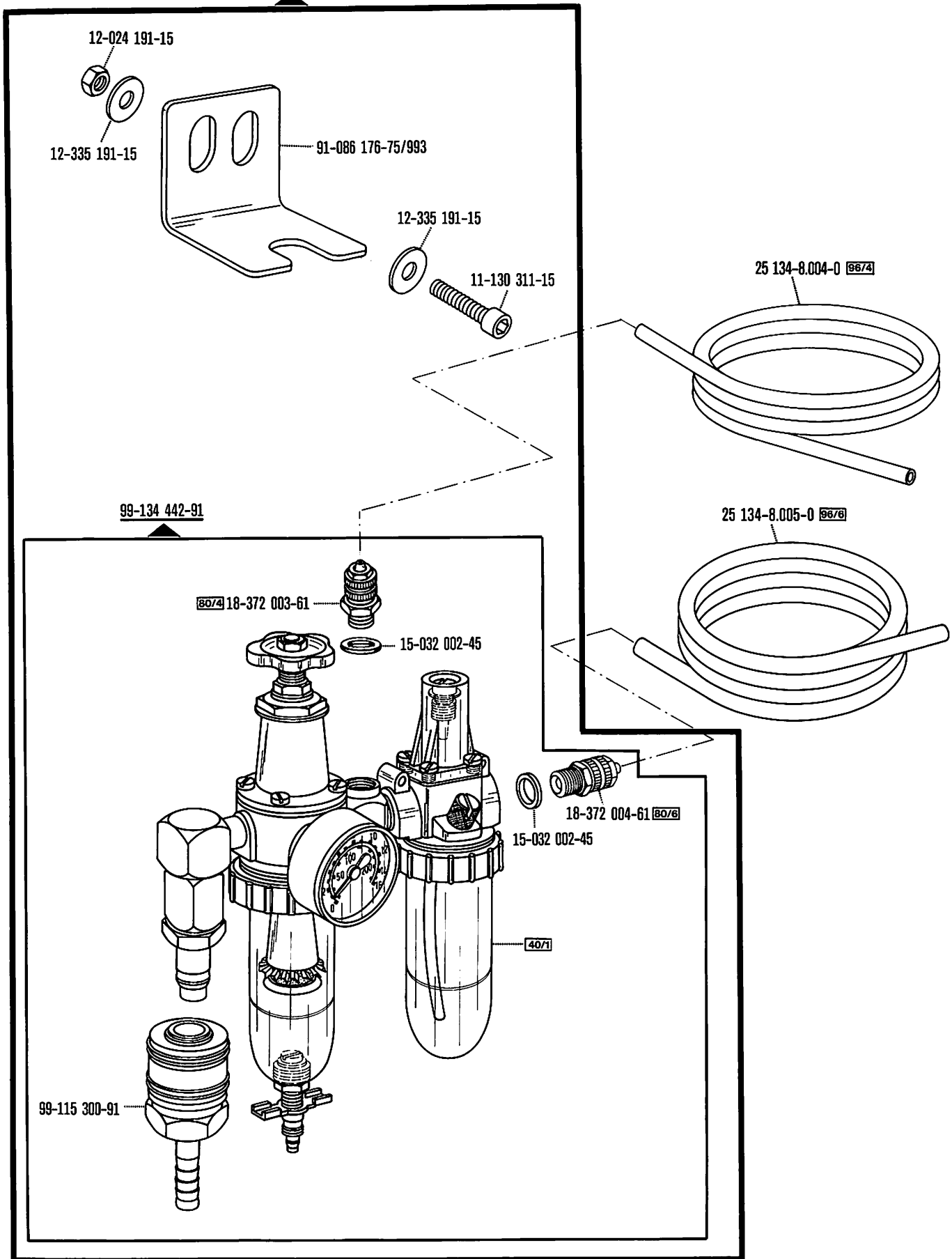


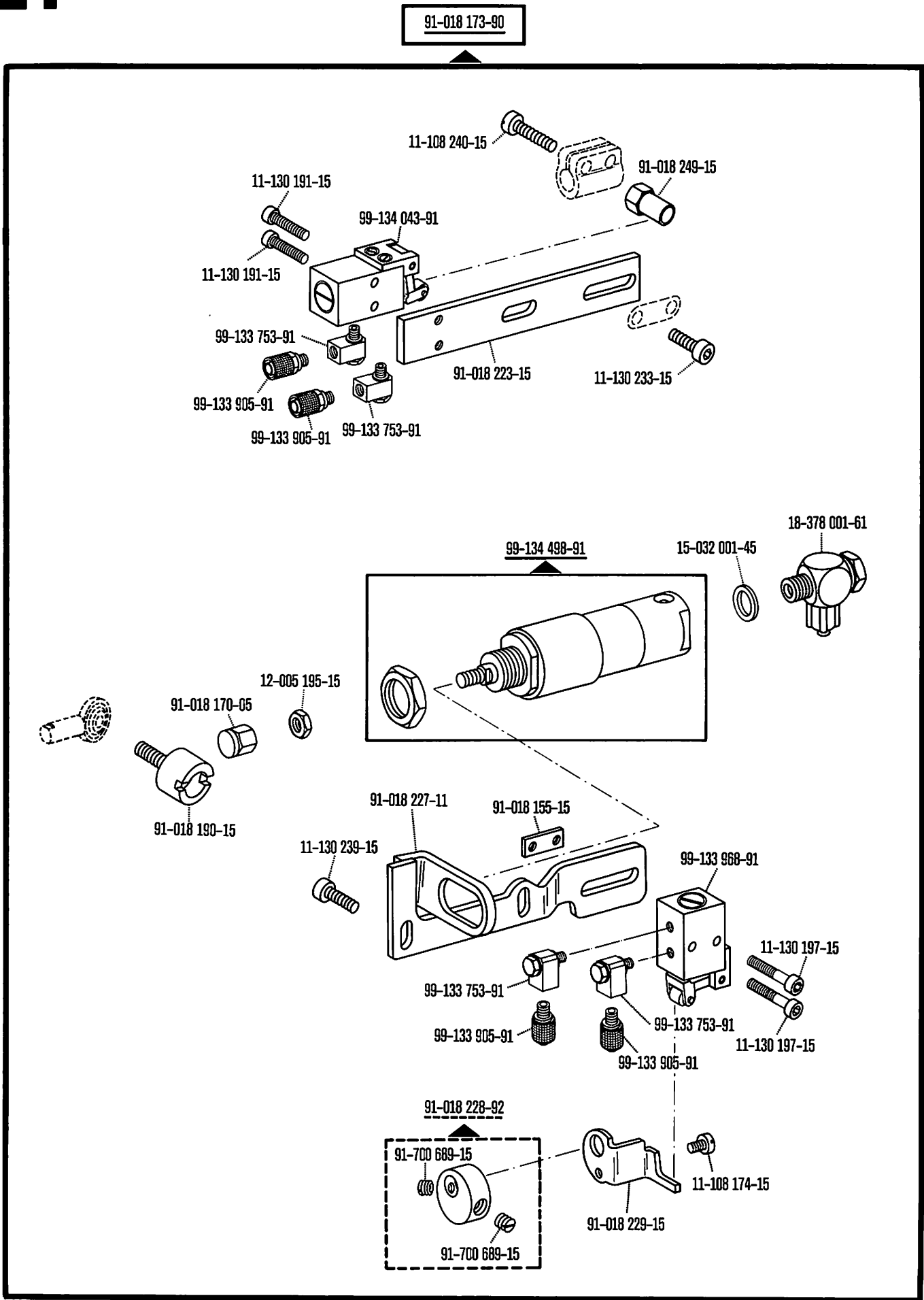
91-092 210-91

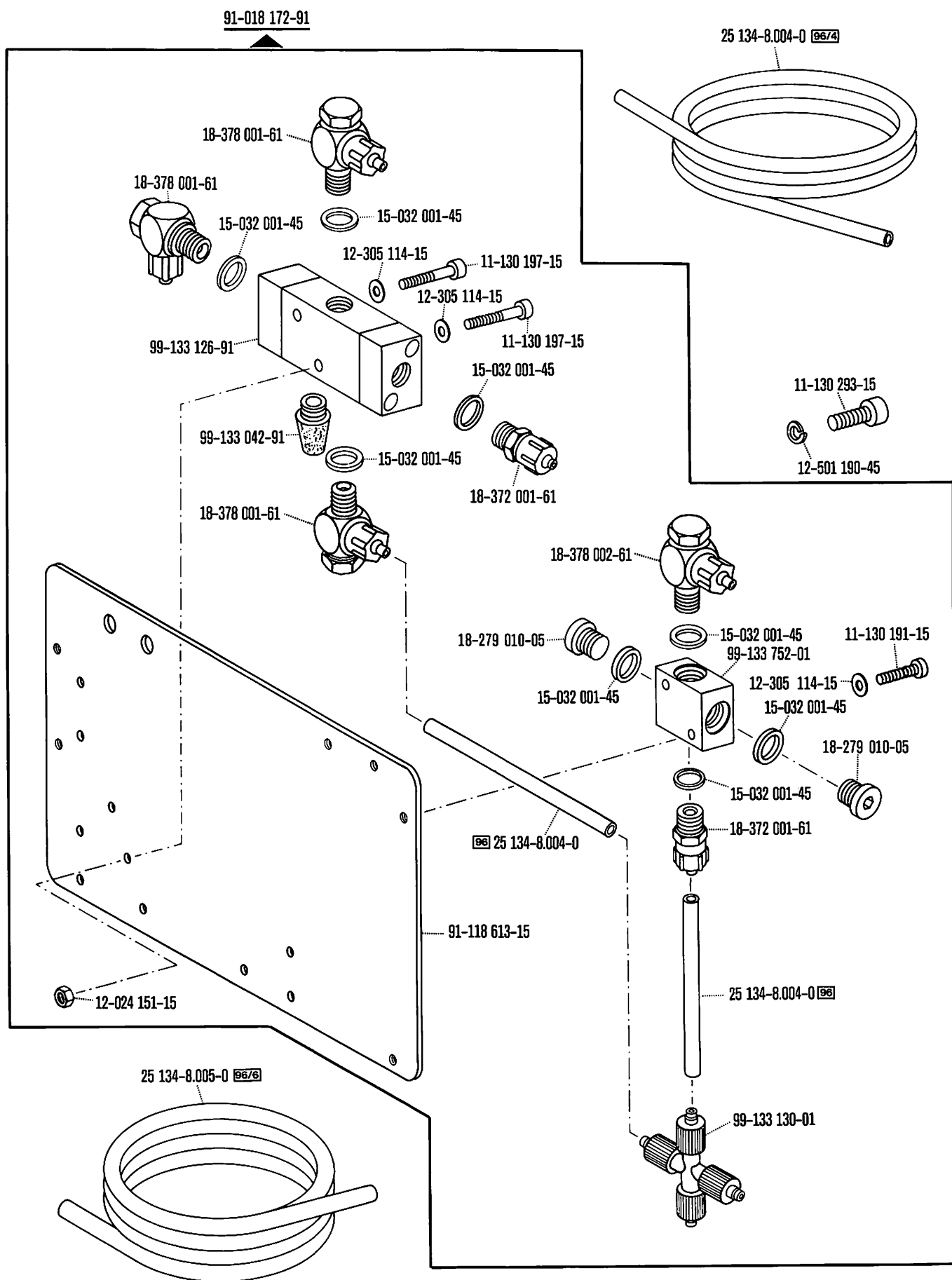




91-171 462-70/993

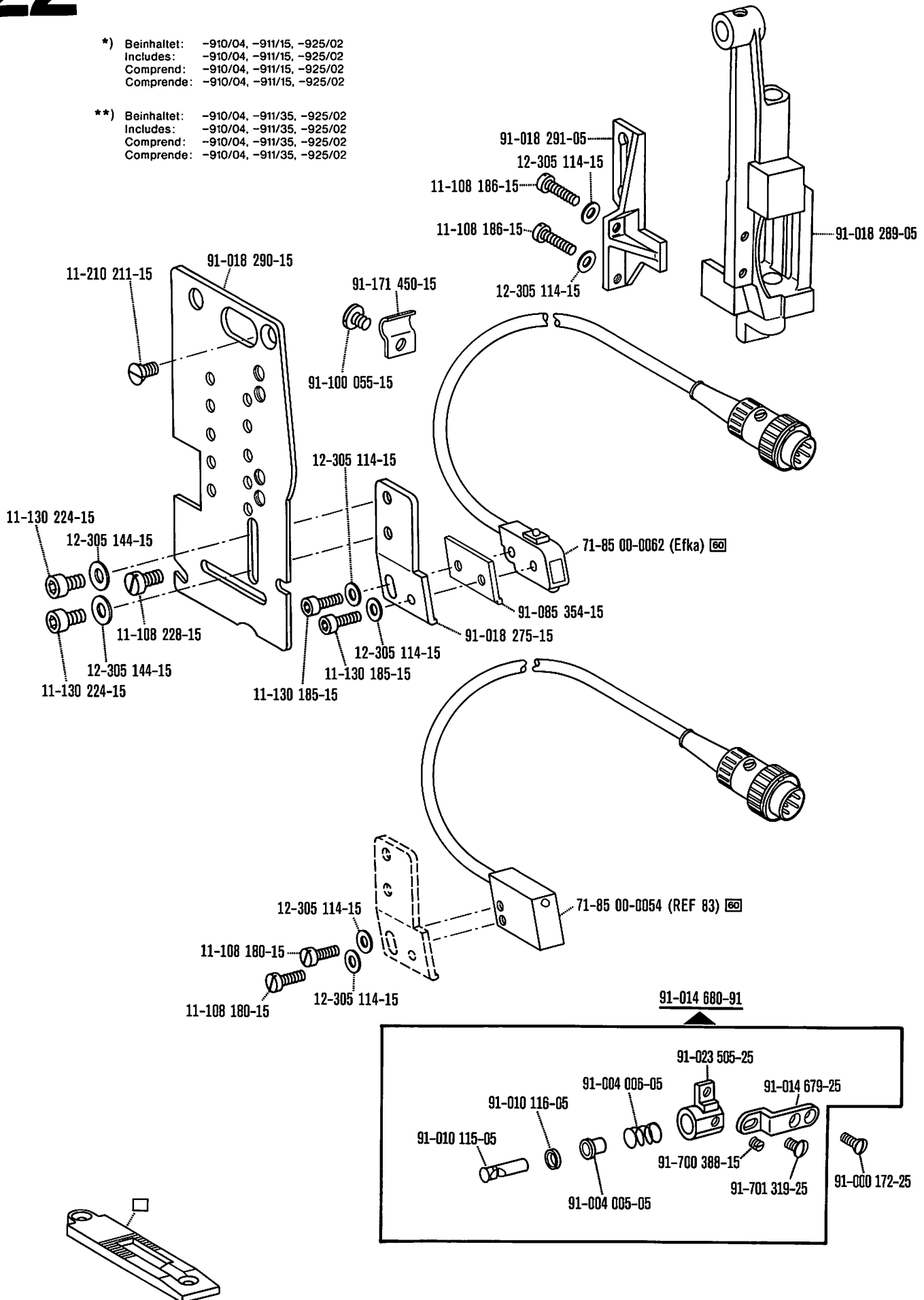


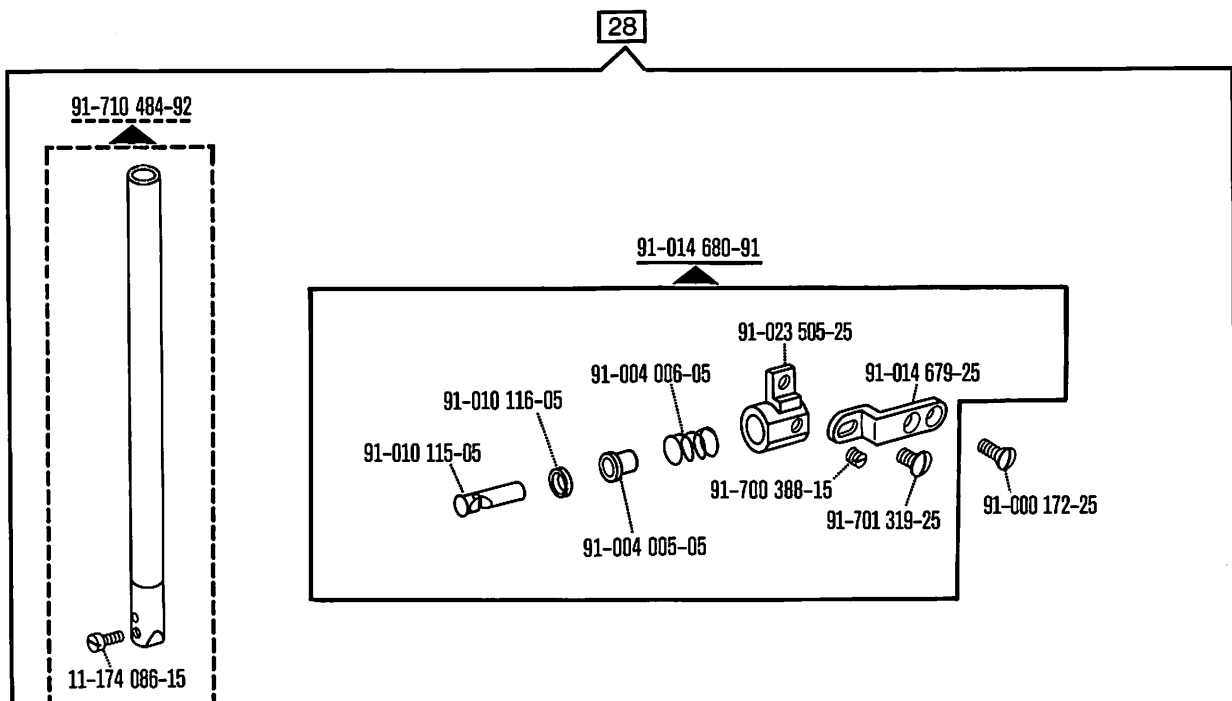
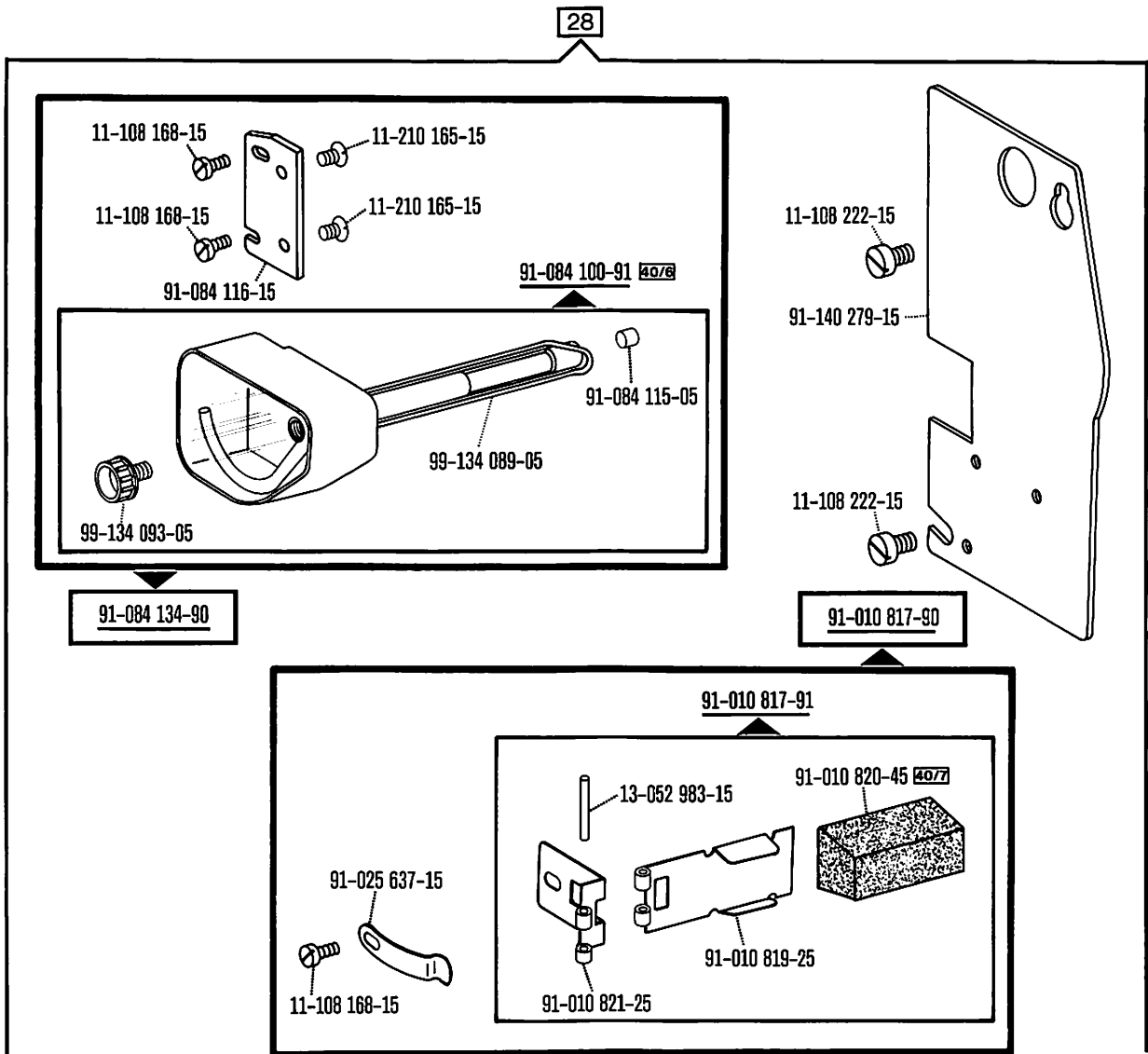


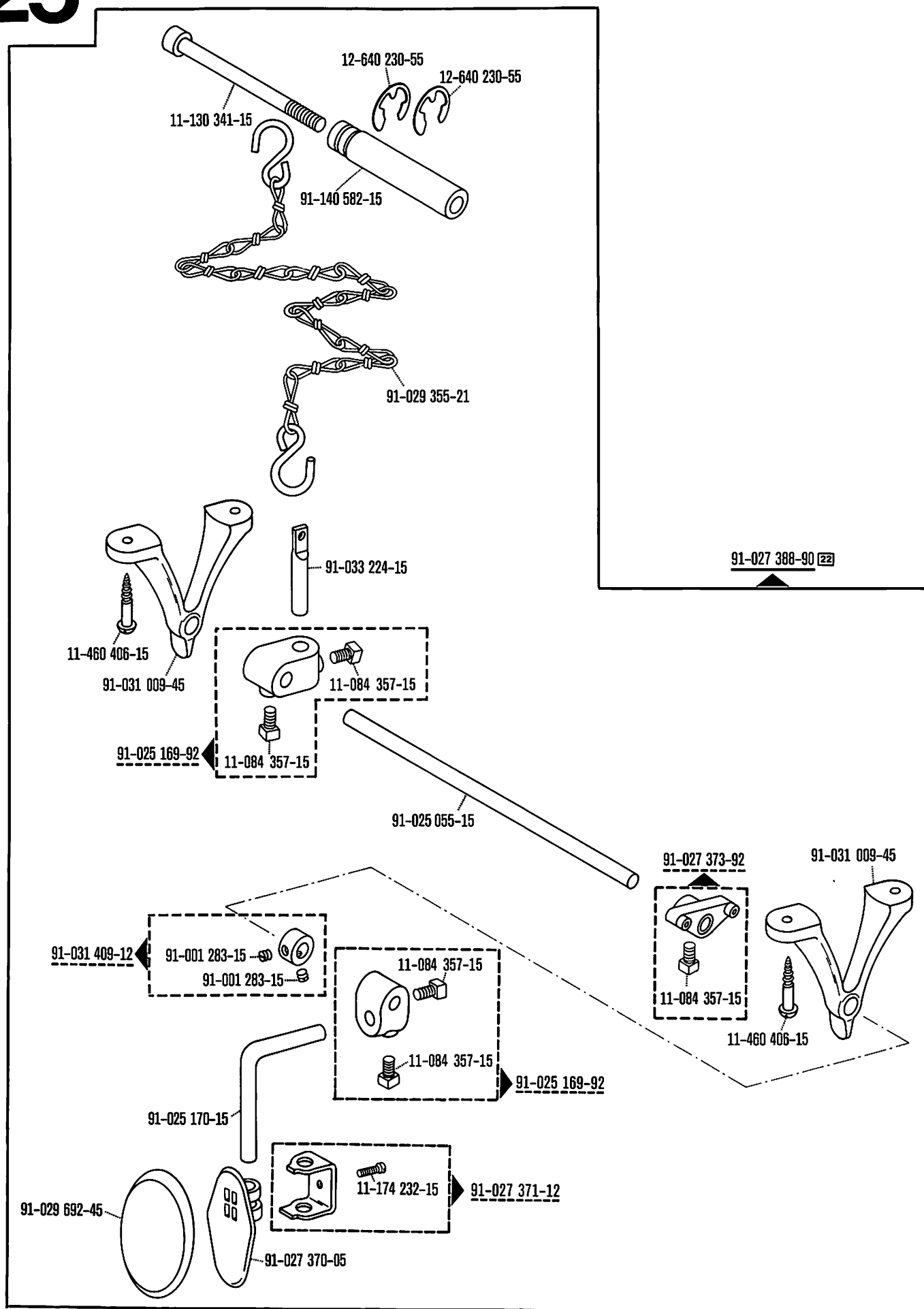


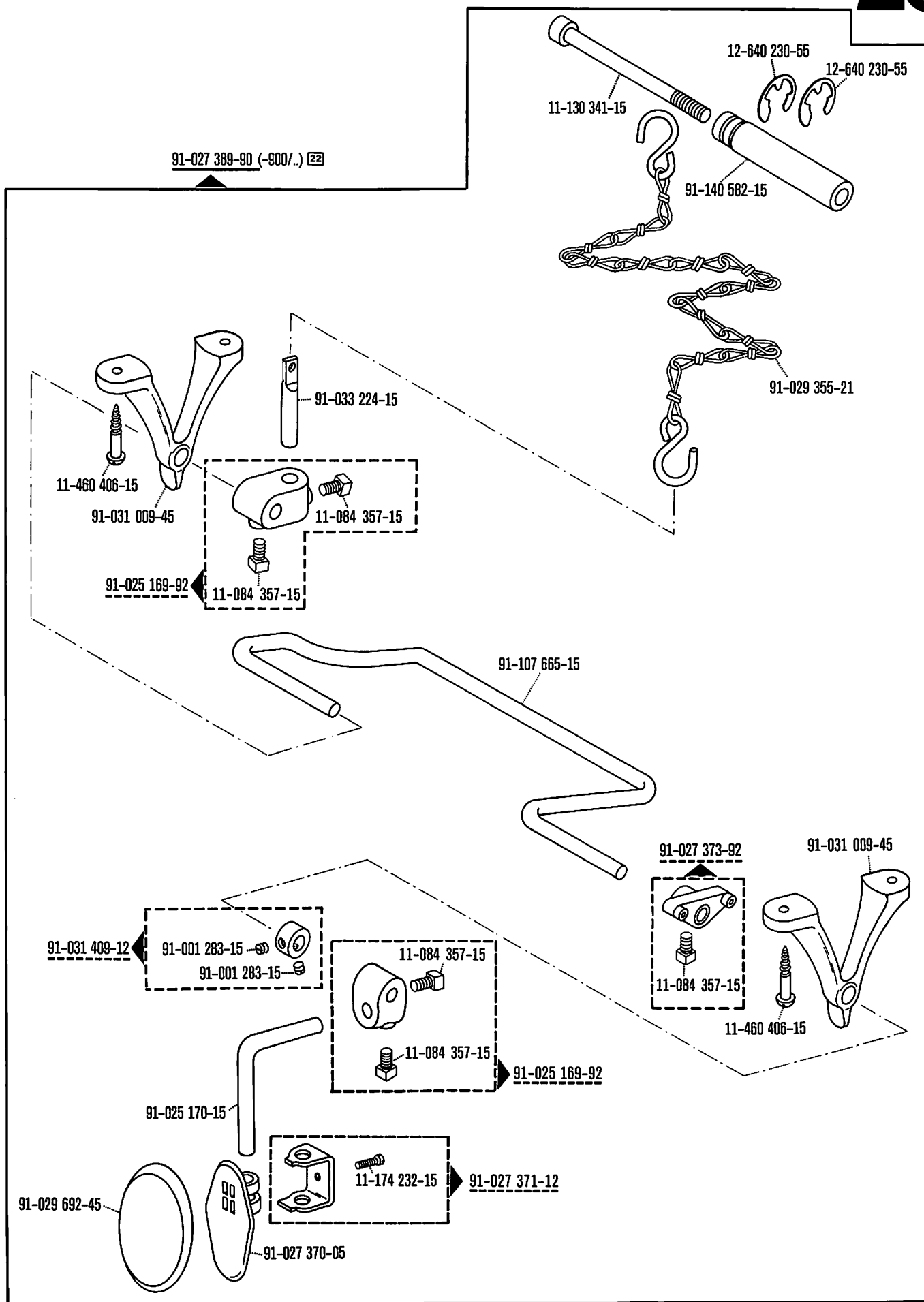
*) Beinhaltet: -910/04, -911/15, -925/02
Includes: -910/04, -911/15, -925/02
Comprend: -910/04, -911/15, -925/02
Comprende: -910/04, -911/15, -925/02

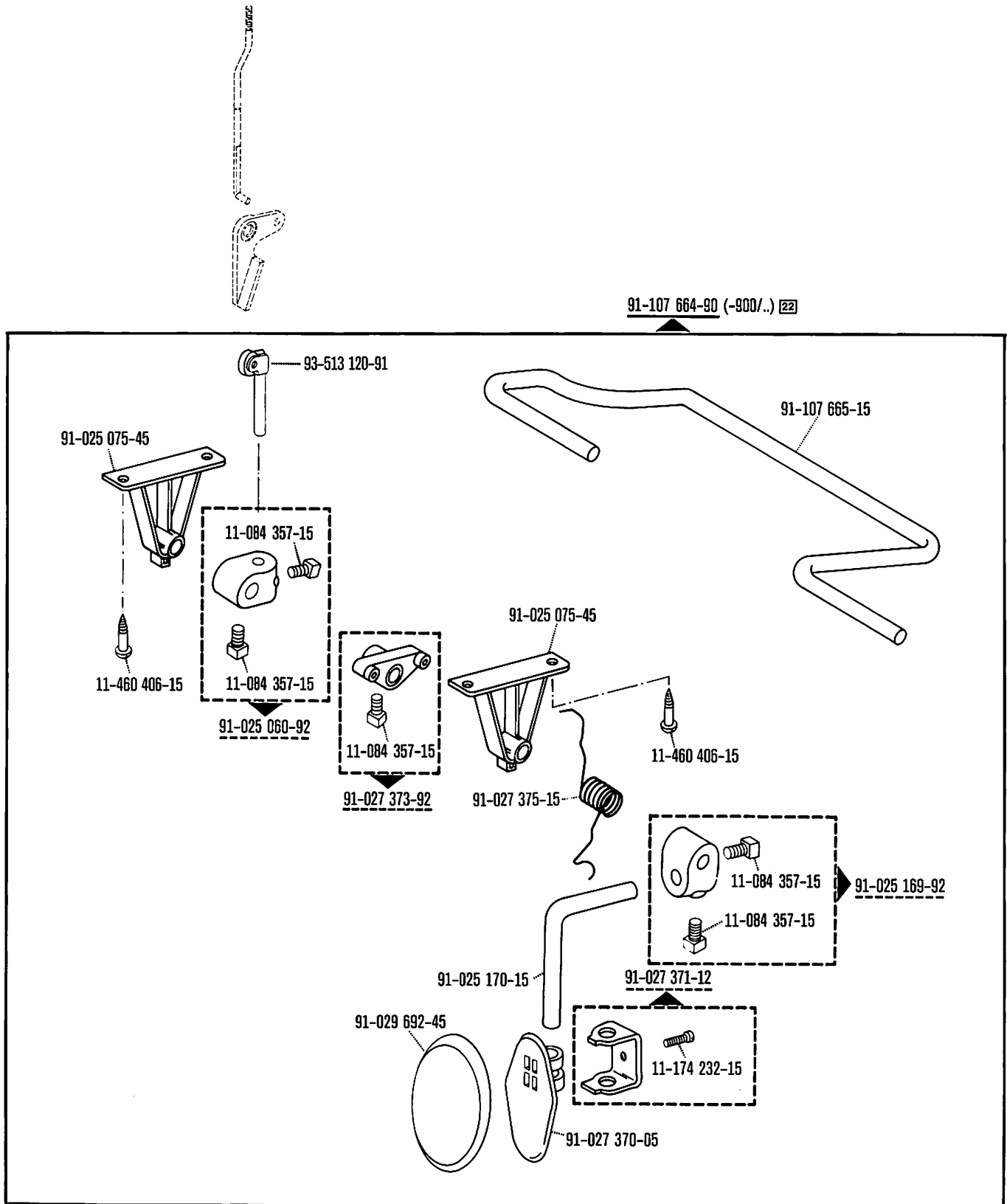
**) Beinhaltet: -910/04, -911/35, -925/02
Includes: -910/04, -911/35, -925/02
Comprend: -910/04, -911/35, -925/02
Comprende: -910/04, -911/35, -925/02

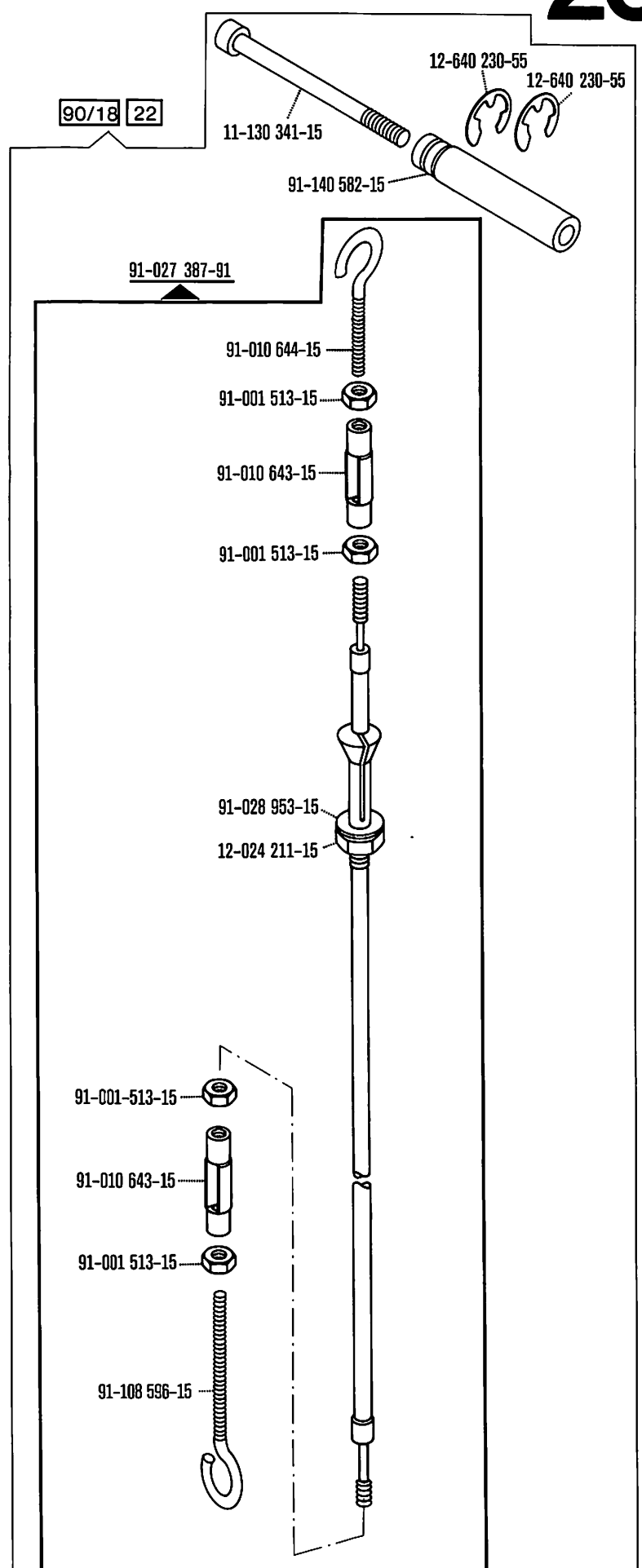
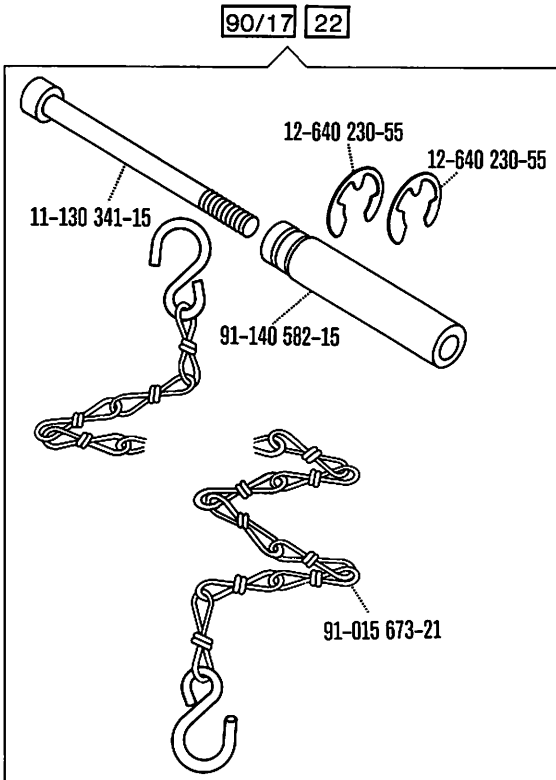


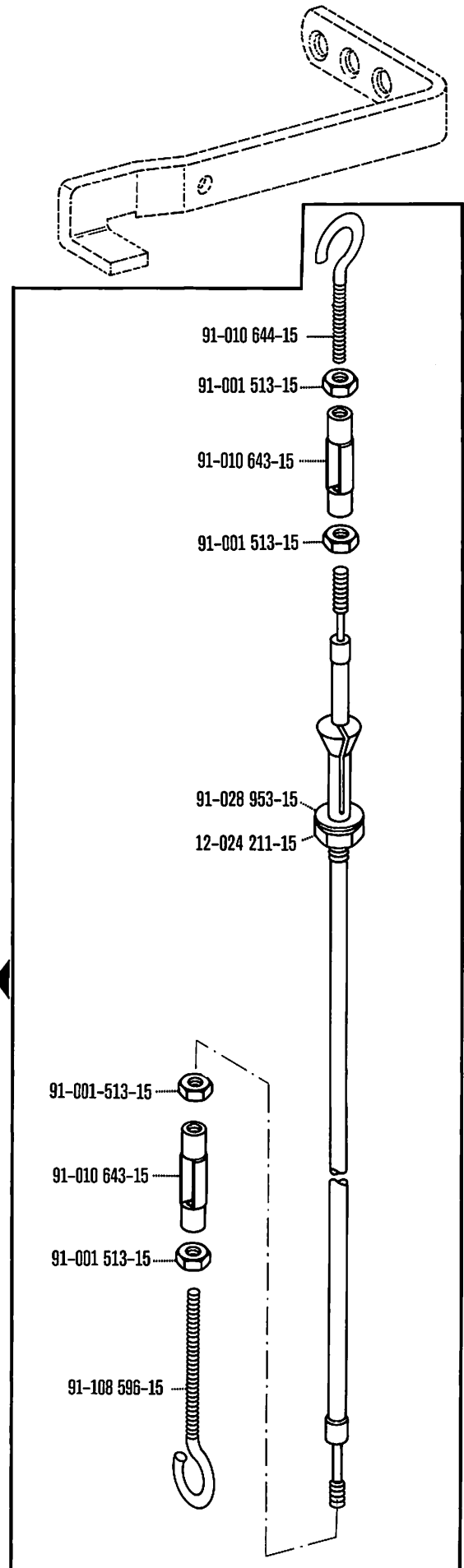
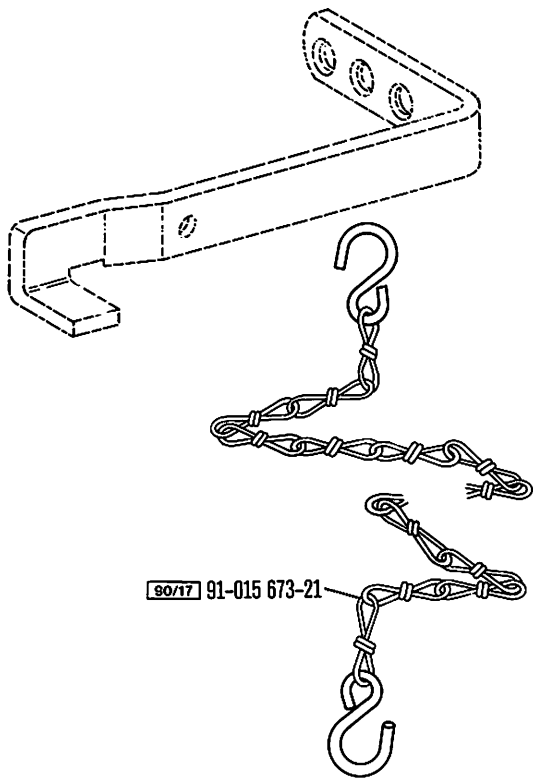


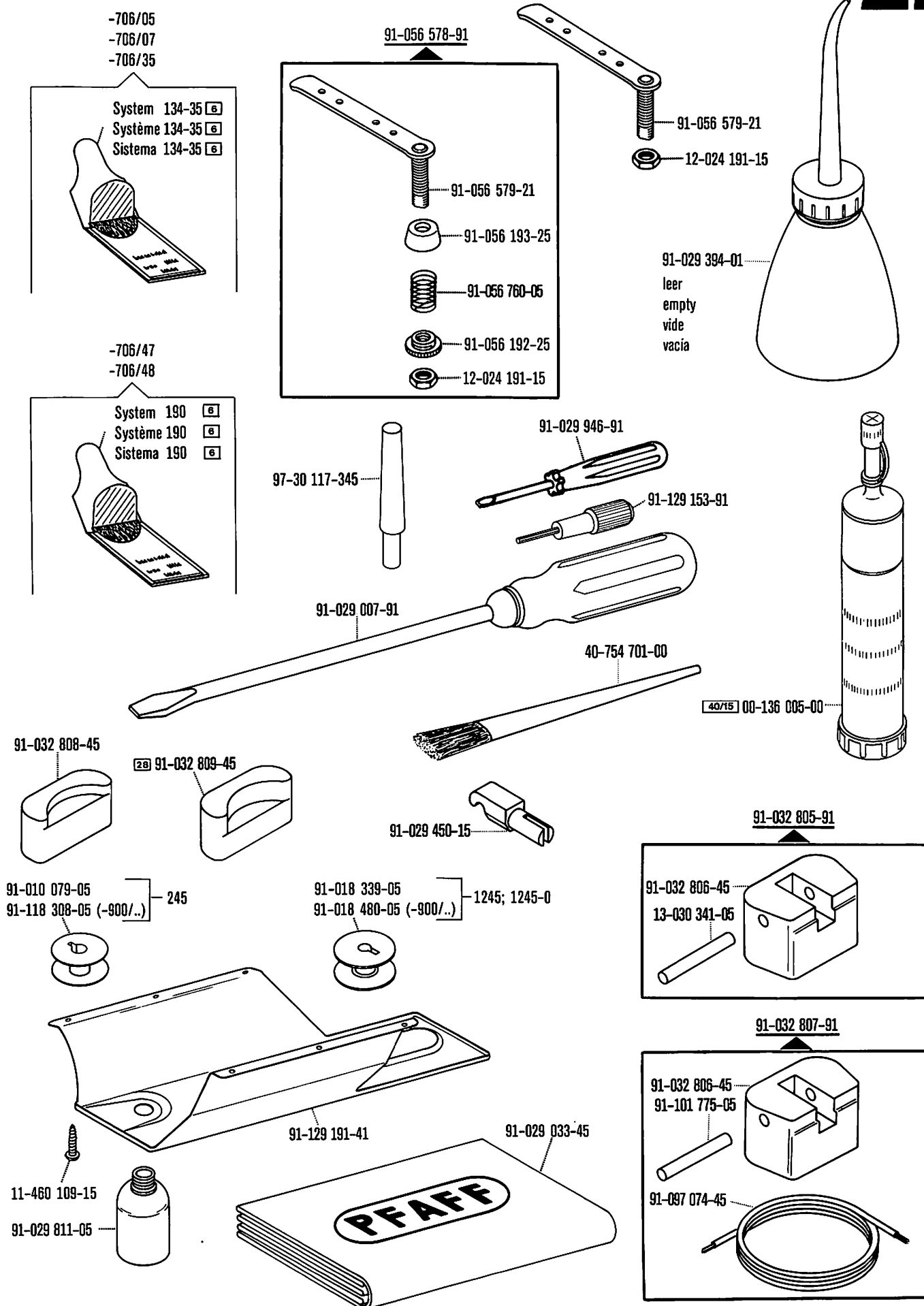


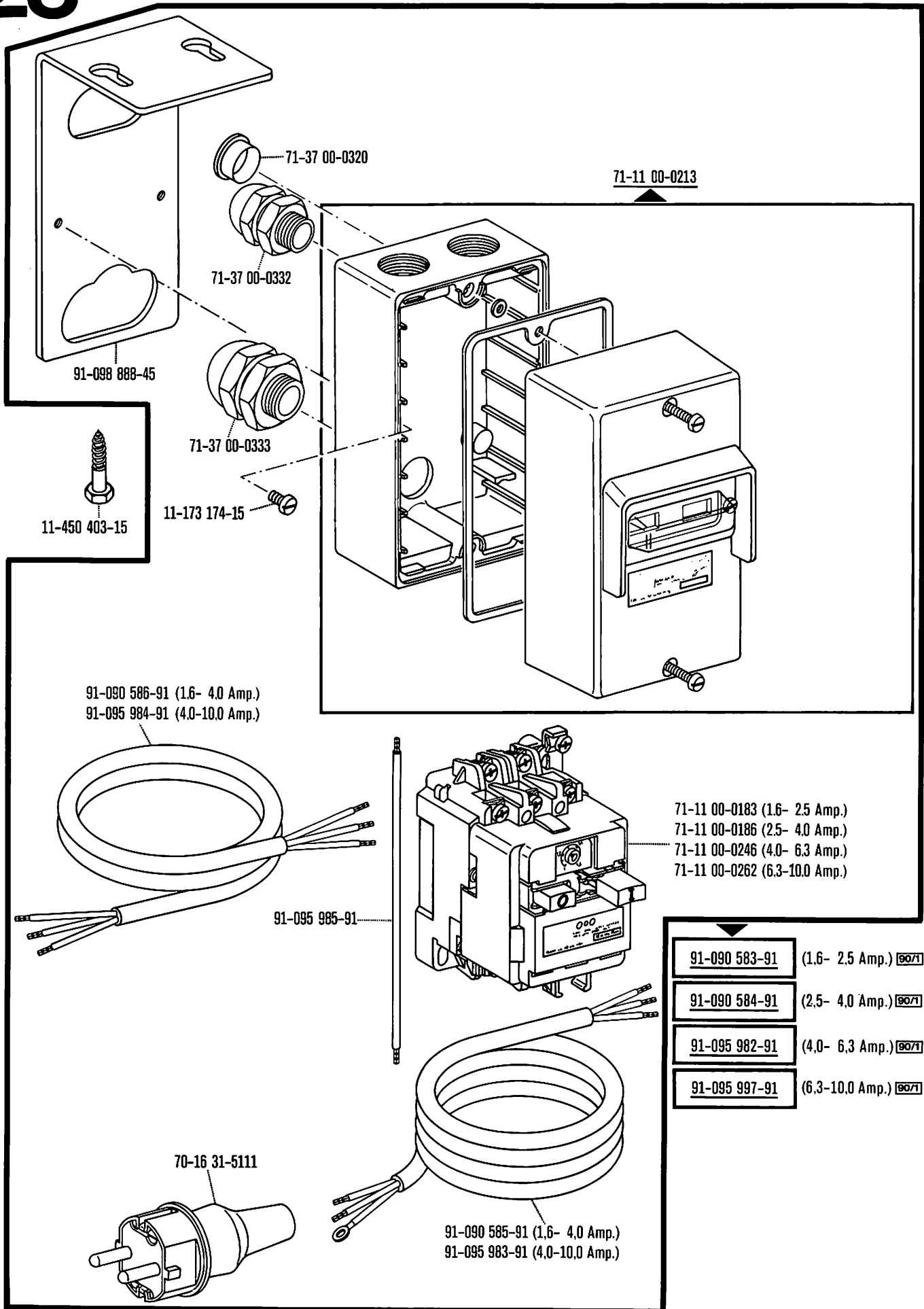


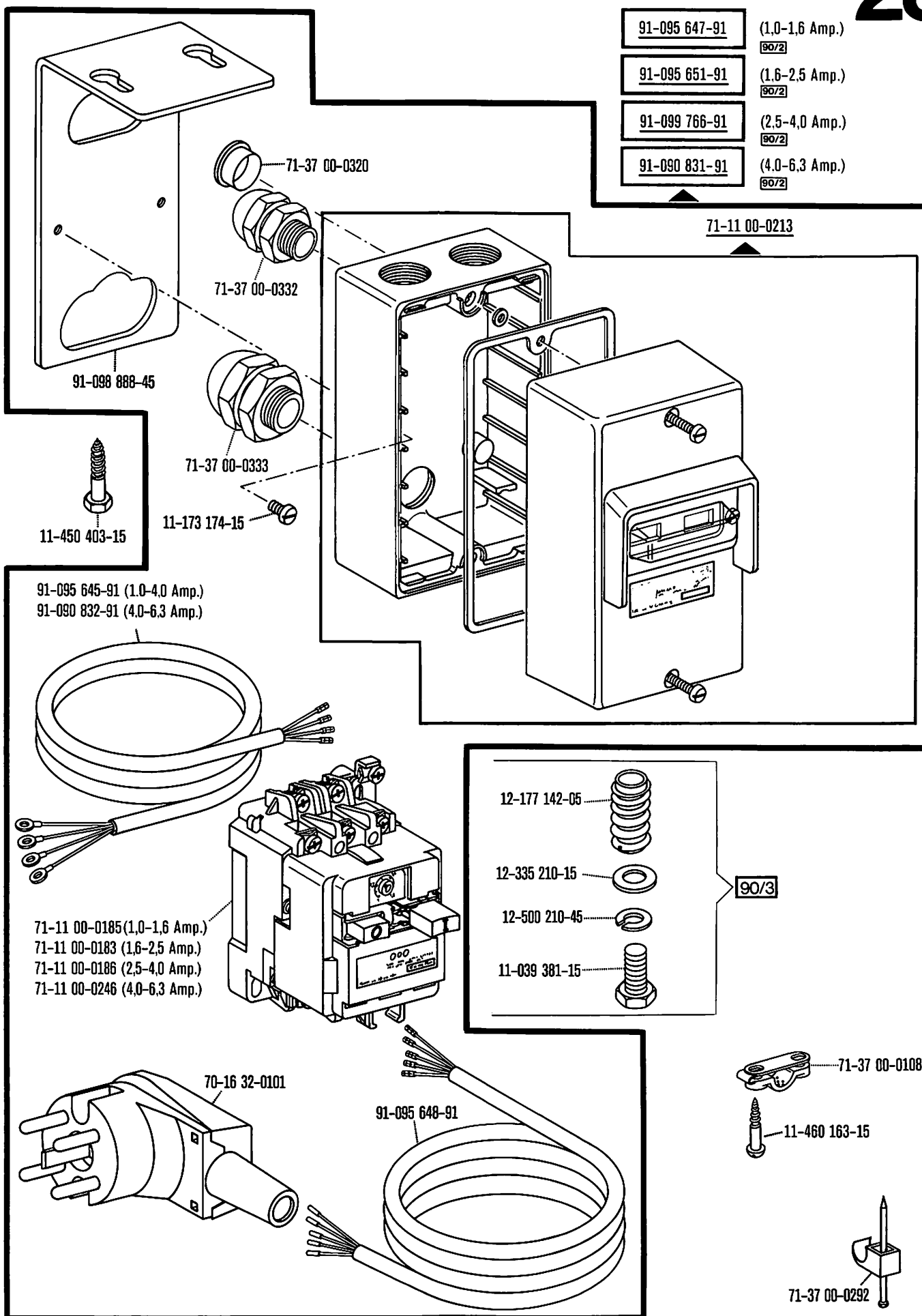


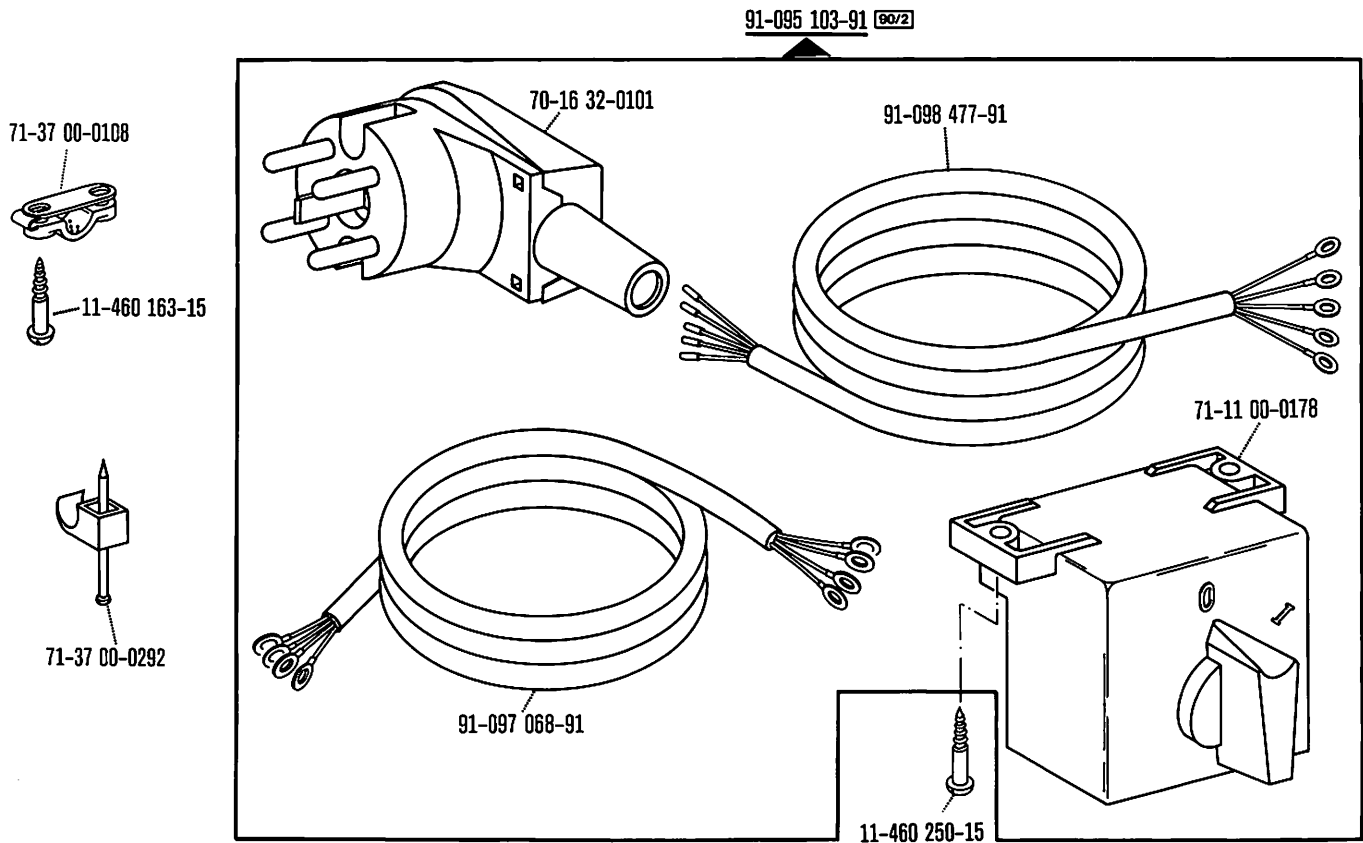
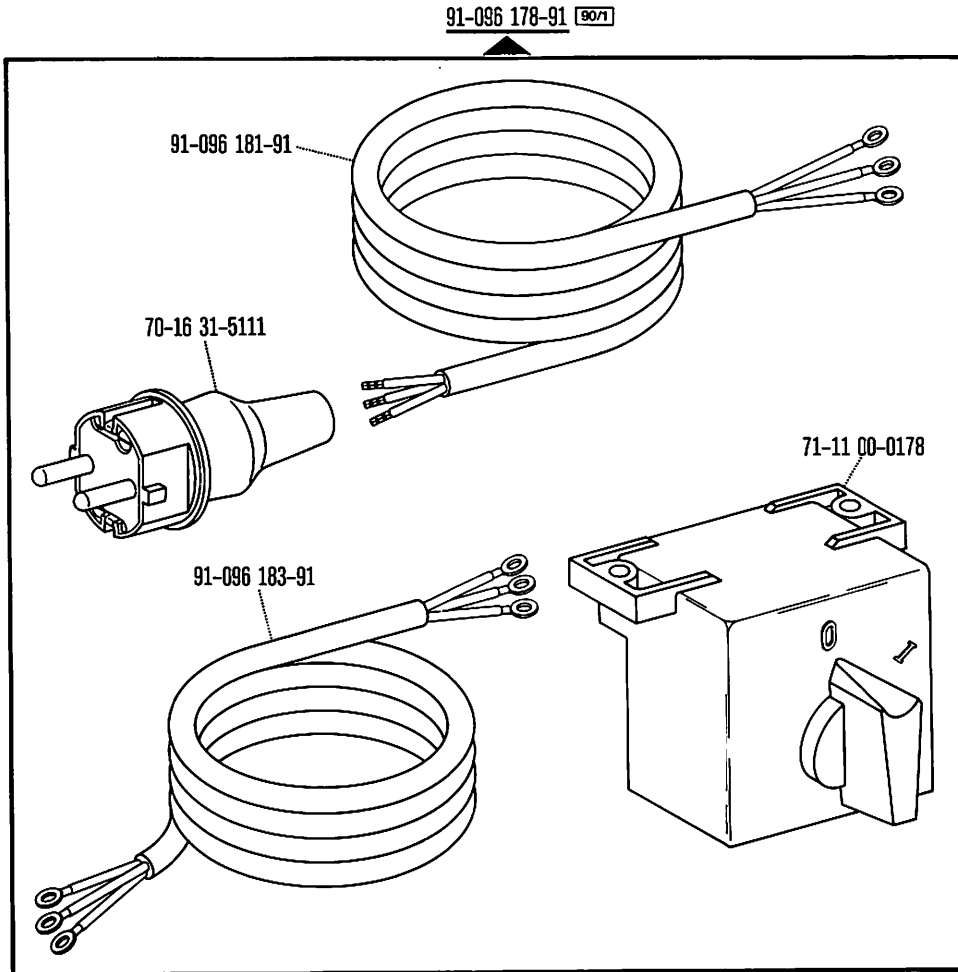


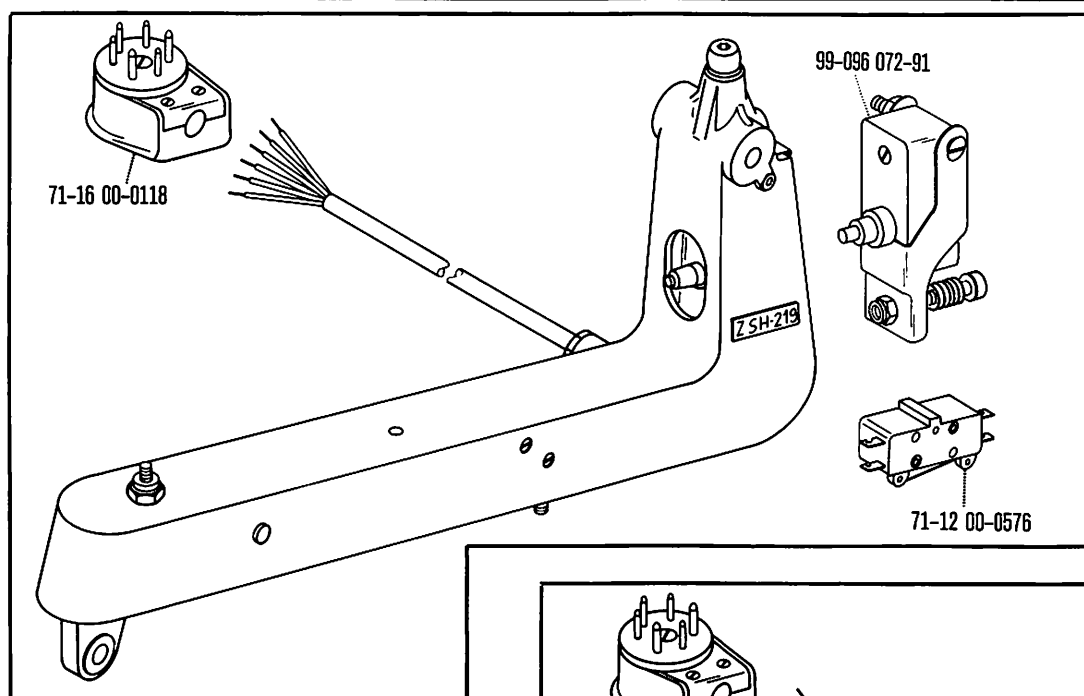








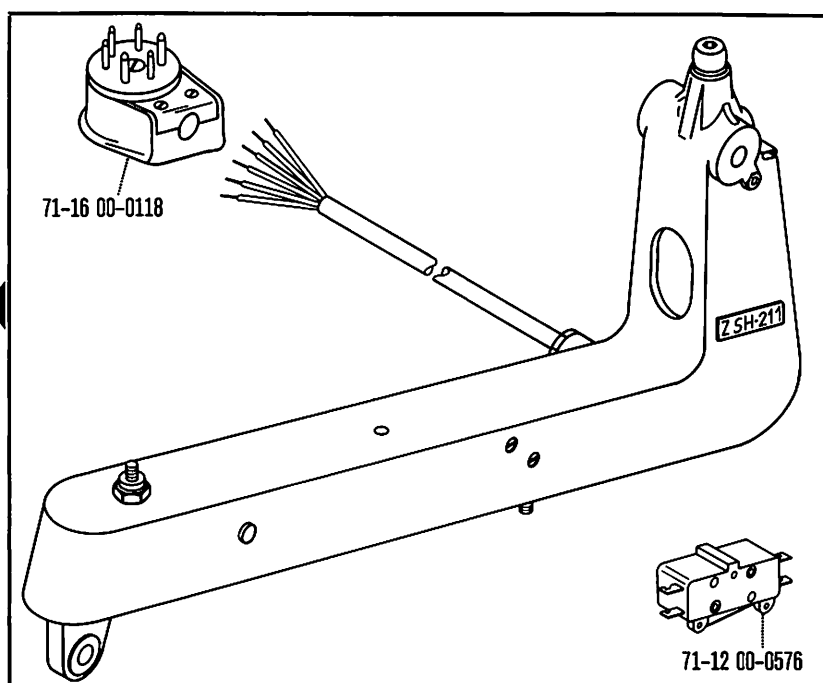


71-59 00-0259 ^{90/7}(-900/11;
-900/16;
-913/02)

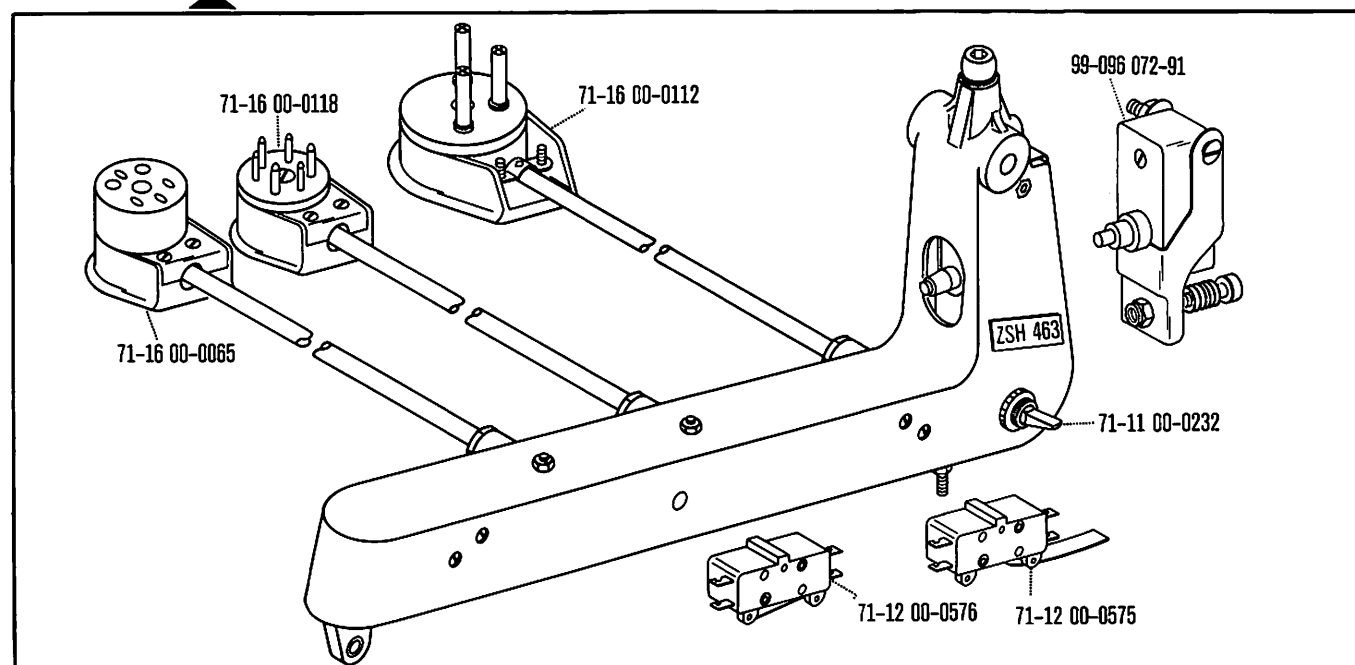
71-59 00-0268

(-900/11;
-900/16;
-913/02)71-59 00-0237 (-900/11-910/04;
-900/16-910/04)

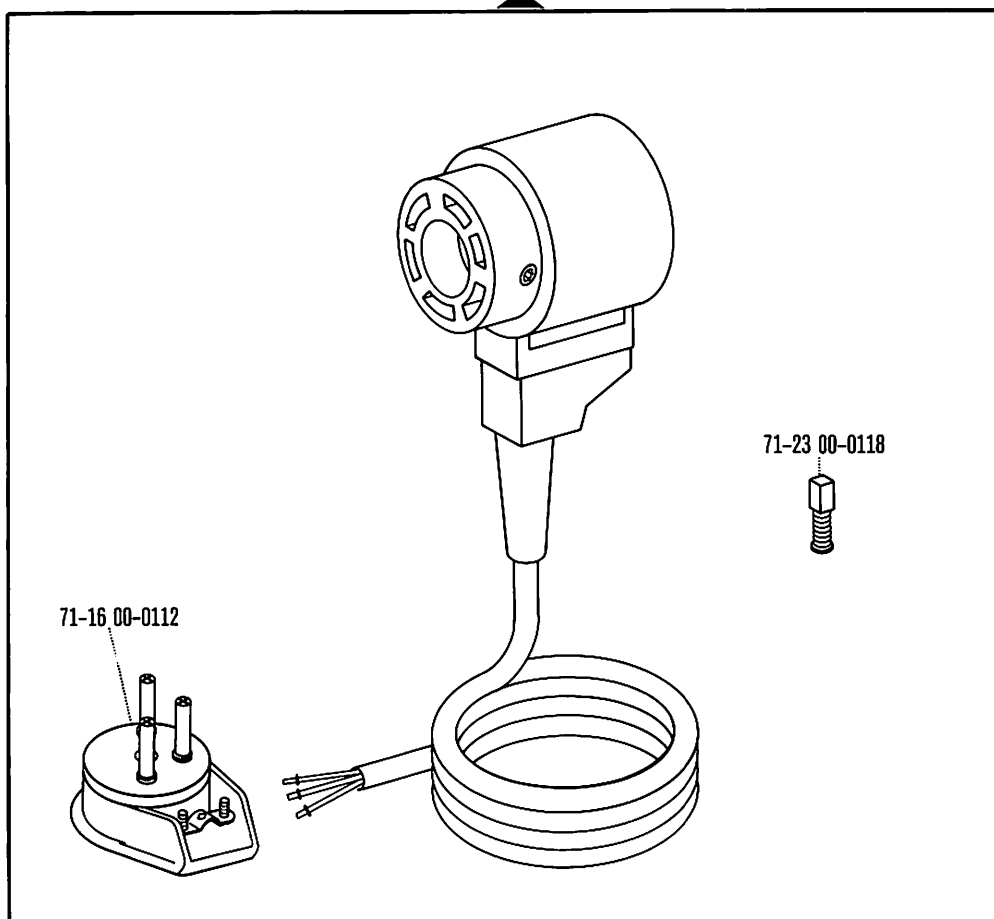
(nur bei Quick-Hebel-Stop-Motor NDK 700)
(on lever-operated NDK 700 Quick-Stop motor only)
(uniquement pour moteur Quick-Stop à levier, NDK 700)
(sólo en motores Quick-Stop de palanca NDK 700)



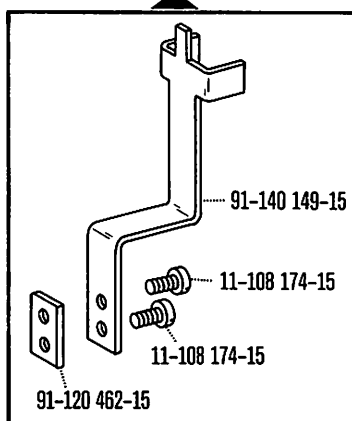
71-12 00-0576



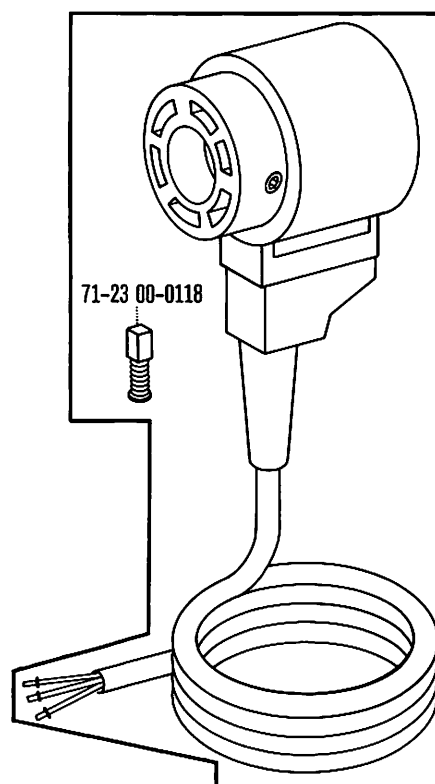
71-14 00-0006 (-913/02)



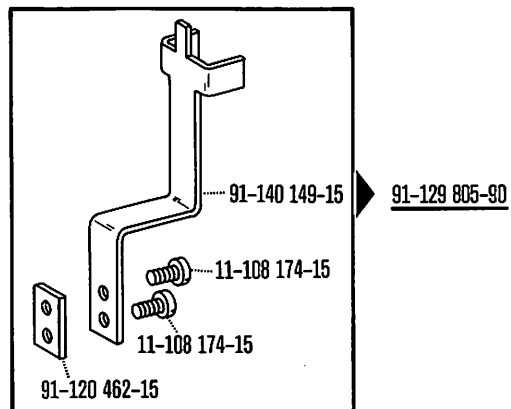
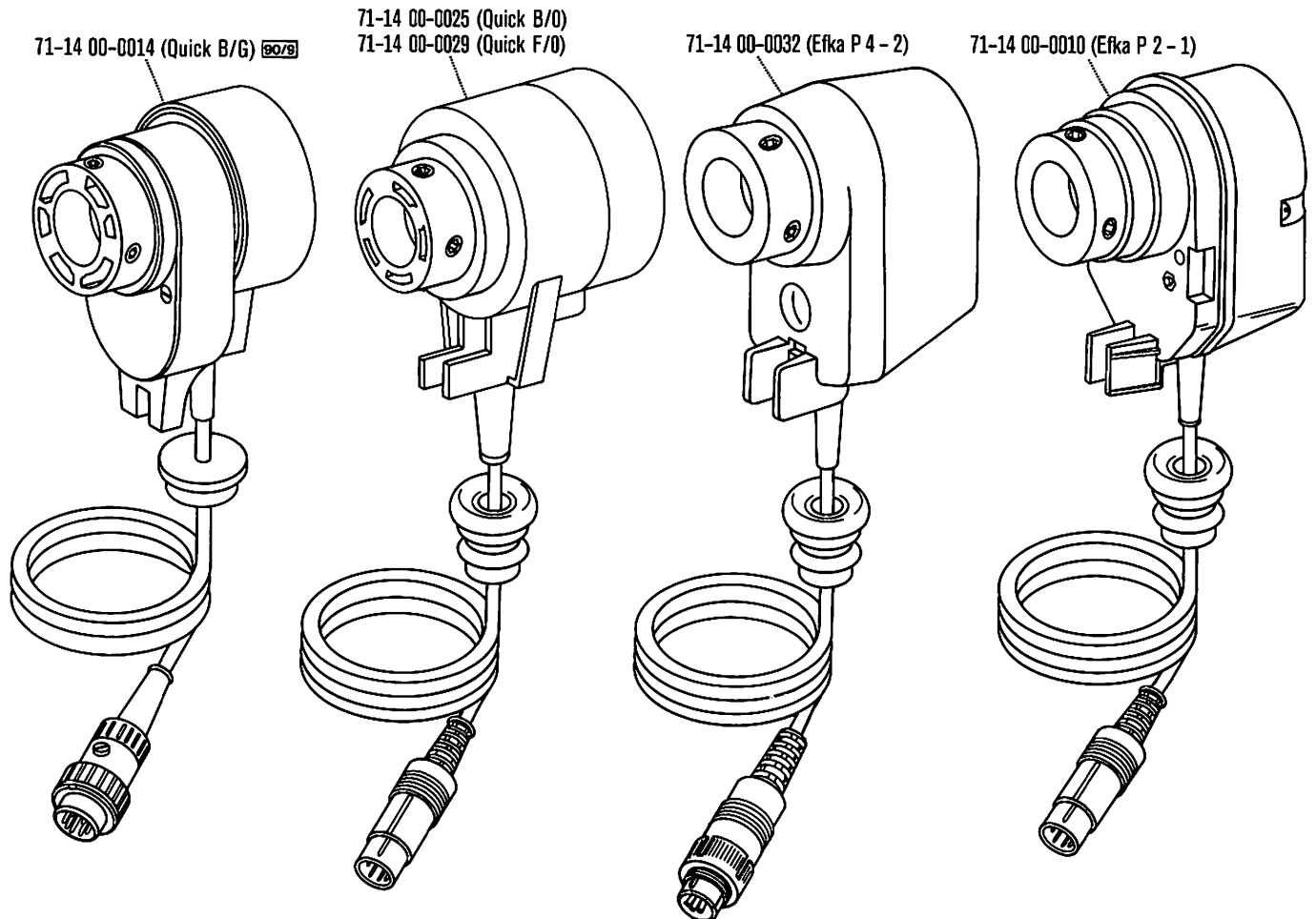
91-129 805-90



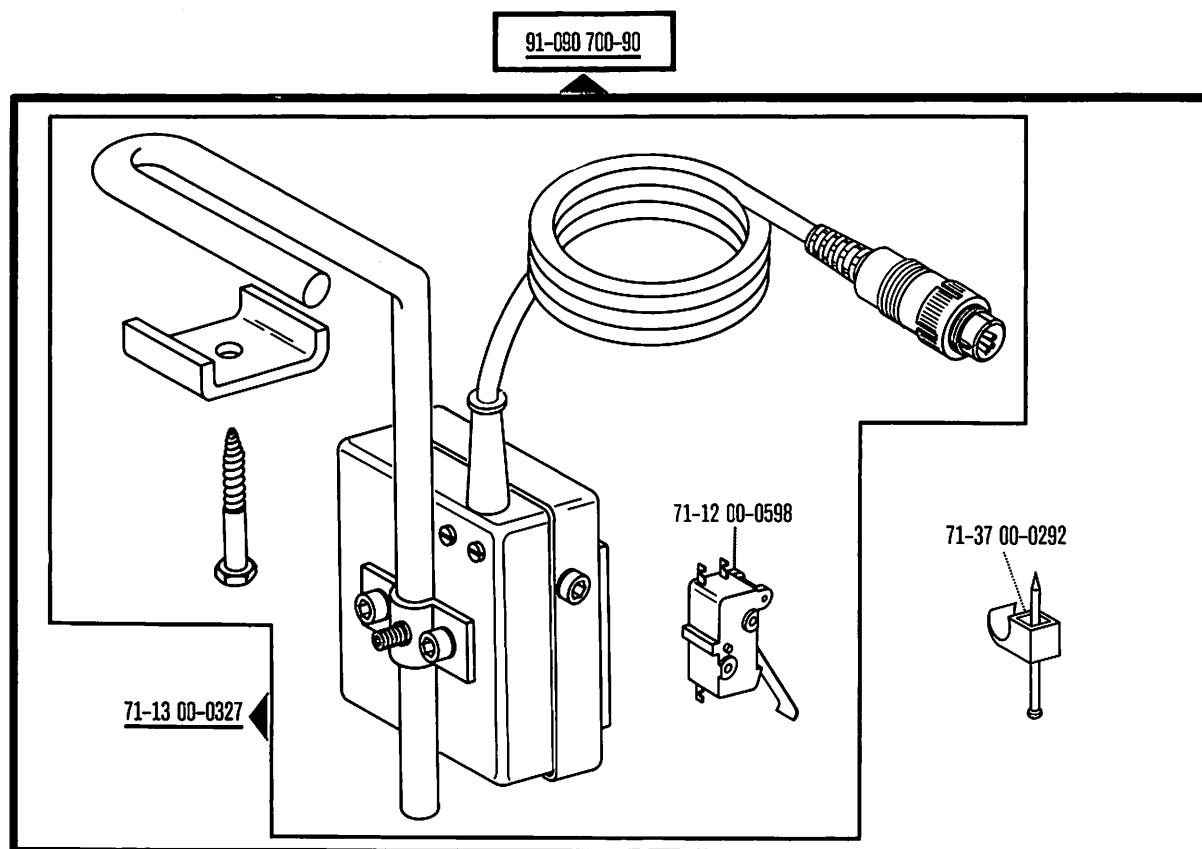
71-23 00-0118



91-095 856-91 (-900/11; -900/16)



33





Keilriemenscheiben-Tabelle

Table of V-belt pulleys

Tableau des poulies à gorge en V

Tabla de poleas para correas en „V”

Nähgeschwindigkeit max. Stiche/min Maximum sewing speed in s.p.m. Nombre de points max./mn Número máx. de puntadas por minuto	Motorzahl U/min Motor speed in r.p.m. Régime moteur en tours/mn Regimen del motor en r.p.m.	Frequenz Frequency Fréquence Frecuencia	Handrad-Durchmesser ¹⁾ in mm Balance wheel diameter ¹⁾ in mm Diamètre du volant ¹⁾ en mm Diámetro del volante ¹⁾ en mm	Keilriemenscheiben-Durchmesser ¹⁾ in mm V-belt pulley diameter ¹⁾ in mm Diamètre de la poulie à gorge ¹⁾ en mm Diámetro de la polea para correa en „V” ¹⁾ en mm	Teilenummer der Keilriemenscheibe Part number of V-belt pulley Numéro de pièce des poulies à gorge en V No de las piezas de poleas para correas en „V”
Pfaff 245					
2800	2800	50 Hz	75	75	16-437 040-05
2800	3400	60 Hz	75	63	16-437 010-05
Pfaff 1245; 1245-0					
2800	2800	50 Hz	75	75	16-437 040-05
2800	3400	60 Hz	75	63	16-437 010-05
2500	2800	50 Hz	75	67	16-437 020-05
2500	3400	60 Hz	75	50	16-437 908-05
2400	2800	50 Hz	120	100	16-437 090-05
2400	3400	60 Hz	120	85	16-437 060-05
2100	2800	50 Hz	120	90	16-437 070-05
2100	3400	60 Hz	120	75	16-437 040-05
1800	2800	50 Hz	120	75	16-437 040-05
1800	3400	60 Hz	120	63	16-437 010-05
1600	1400	50 Hz	120	140	16-437 140-05
1600	1700	60 Hz	120	112	16-437 110-05
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1300	1400	50 Hz	120	112	16-437 110-05
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1500	2800	50 Hz	150	80	16-437 050-05
1500	3400	60 Hz	150	67	16-437 020-05
1200	1400	50 Hz	150	125	16-437 130-05
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¹⁾ Wirksamer Durchmesser
Effective diameter
Diamètre effectif
Diámetro efectivo

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		91-176 047-91	87				

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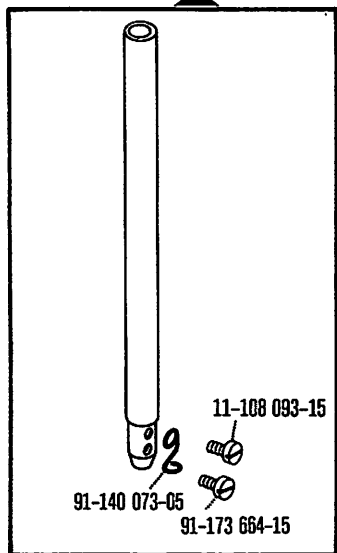


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Unterklassen-Ausstattung
Subclass parts
Composition des sous-classes
Composición de las subclases

Unterklassen-Übersicht/Table of subclasses/Table des sous-classes/Tabla de subclasses

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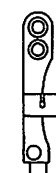
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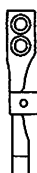
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-155/21

91-047 399-04 4



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-136/02

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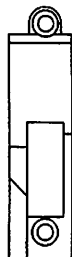
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-155/21

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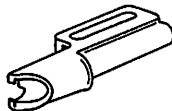
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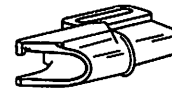
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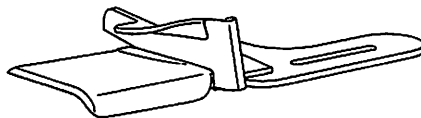
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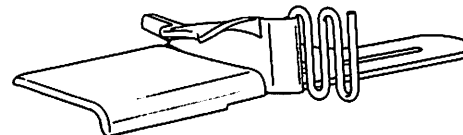
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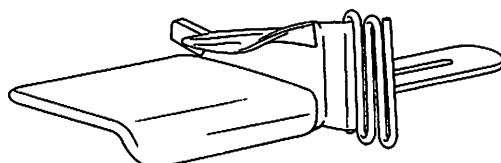
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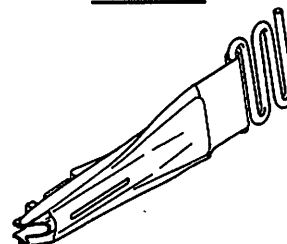


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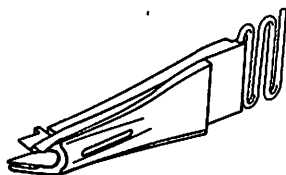
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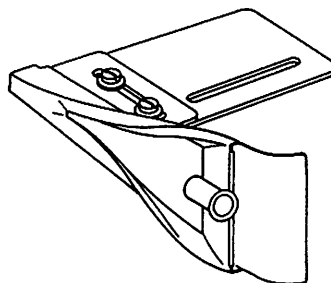
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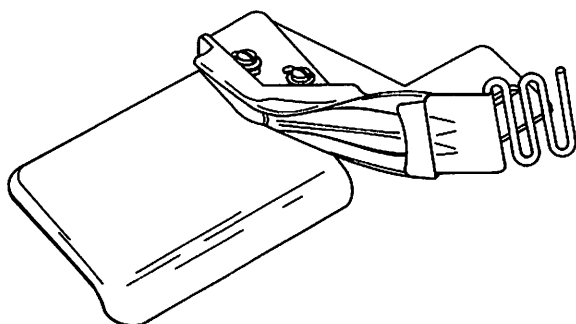
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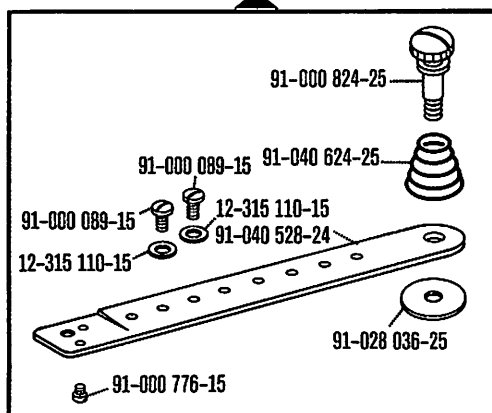
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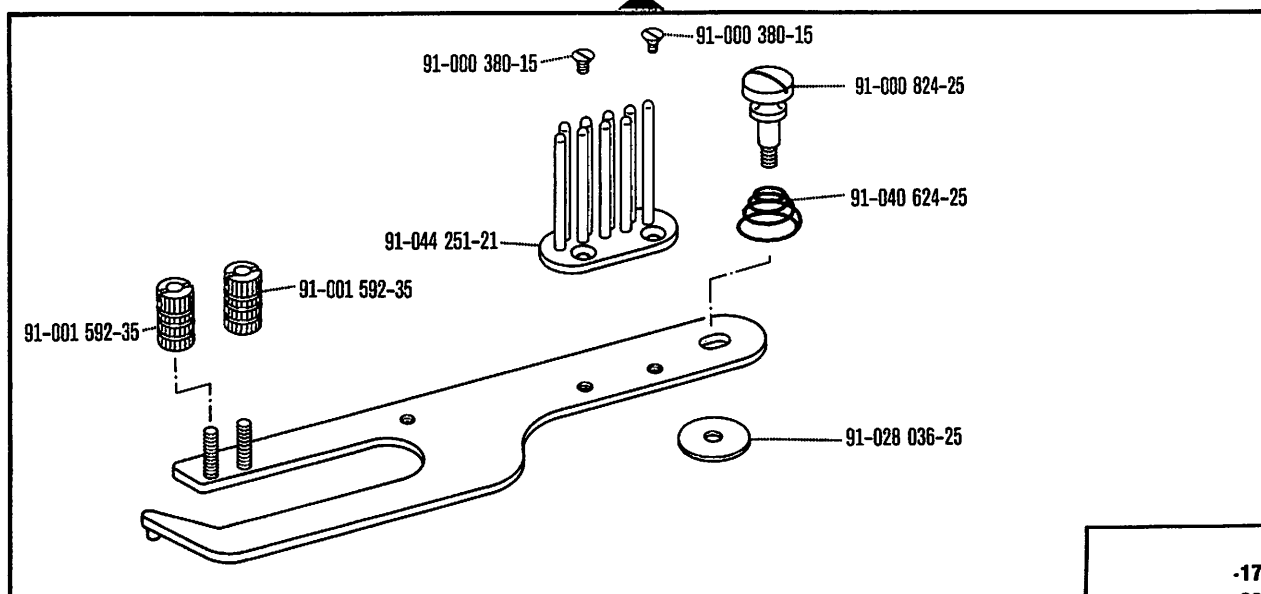
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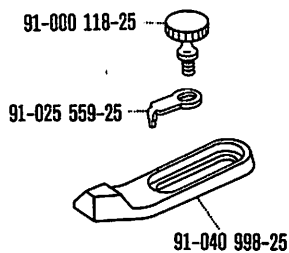


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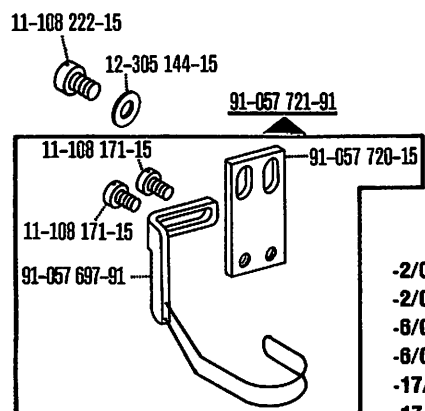
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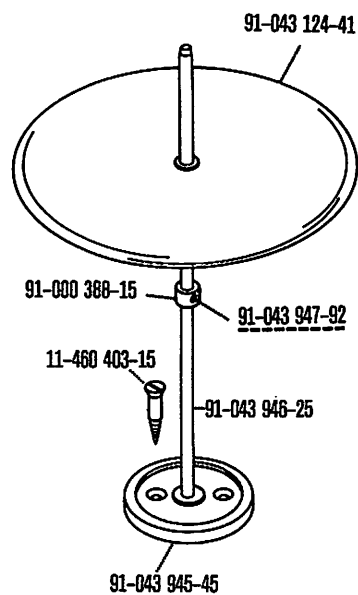


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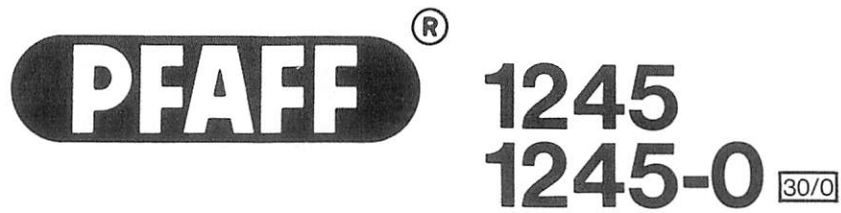
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-155/41

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Unterklassen-Ausstattung

Subclass parts

Composition des sous-classes

Composición de las subclases

30/0 = Nicht mehr im Programm;
jedoch Ersatzteile lieferbar
= No longer part of production range;
substitute available
= Rayé du programme; pièces détachées
toutefois livrables
= Fuera de programa; las piezas de recambio,
no obstante, se siguen suministrando.

(P) = Hüftertransport, auf Wunsch lieferbar. = Four motion drop feed, available on request. = Griffe erhältlich als option. = Transportador a cuatro tiempos, sobre demanda.	* Mit Hüftertransport (P) nicht lieferbar. = Not available with four-motion drop feed (P). = Griffe erhältlich als option. = No suministro a transportador a cuatro tiempos (P).			
		30% = Nicht mehr im Programm; jedoch Ersatzteile lieferbar = No longer part of production range; substitute available = Rayé du programme; pièces détachées toutefois livrables = Fuera de programa; las piezas de recambio, no obstante, se siguen suministrando.	Die Liste enthält nur Nähwerkzeuge und Apparate. Beim Umbau in eine andere Unterklasse oder Ausführung sind auch noch Maschinenteile erforderlich. Geben Sie also bei Bestellungen die genaue Bezeichnung der vorhandenen und der gewünschten Ausführung bekannt.	This list contains sewing parts and attachments only. When converting to another subclass or version, machine parts are also necessary. When ordering please therefore indicate exactly the existing version and the one required.
4. = Ausführung angeben = Indicate model = Préciser la version = Indiquez el tipo de máquina	5. = Nähmuster einsenden = Submit sewing sample = Joindre échantillons de couture = Envíese muestra de costura	127. = Absteppbreite bei Bestellung angeben = Indicate stitching margin on order = Indiquer le rebord de couture à la commande = Indíquese el margen de costura en los pedidos		Cette liste ne contient que les organes de couture et les guides. En cas de transformation en une sous-classe ou variante différente, il faut utiliser aussi certaines pièces de machine supplémentaires. En cas de commande, prière de toujours indiquer par conséquent les variantes disponibles et souhaitées.
				Esta lista sólo contiene elementos de costura y aparatos. Siempre que haya que transformar la máquina en otro tipo o subclase, se necesitarán también piezas de máquina suplementarias. En caso de comando, pídese de siempre indicar en los pedidos el tipo exacto de lo que se dispone y el deseado.

Unterklasse Subclass Sous-classe	Ausführung Model Version Tipo de máquina	Nähzeitange Needle bar Barre à aiguille Barré de aguja	Stoffschneider ⁴⁾ Feed dog Griffe Transportador inferior	Stitchplate ⁵⁾ Needle plate Plaque à aiguille Placa de aguja	Nähfuß ⁶⁾ Presser foot Pied presseur Pie prensatelas	Stoffschneider ⁴⁾ Feed dog Griffe Transportador superior	Apparat ⁷⁾ Attachment Aparato Anexo	Träger Bracket Support Soporte	Scheiber Slide Cassero Corredora	Bandsticker Tape disc Disco de cinta Disco de cinta	Fingerschutz Finger guard Guarda dedos Salvedor	Blattfeder Leaf spring Resort-spring Muelle de láminas
-706/07 (P) [-706/05 (P) 30/0]												
-155/01*	CN	91-140 071-91	91-045 591-04	91-045 592-04	91-040 432-04 117	91-042 818-93 117	91-040 600-23	91-045 607-80		91-043 943-91	91-057 721-91	
-155/41	CN	91-140 071-91	91-040 897-04	91-040 898-04	91-049 715-04 117	91-049 269-93 117	91-041 112-23	91-040 528-90		91-043 943-91	91-057 721-91	
-168/02	CN	91-140 071-91	91-026 745-04	91-026 746-04	91-042 180-04 1	91-042 181-93 1	91-042 179-23	91-040 528-90			91-057 721-91	
-168/02-900/56 (-900/16 30)	CN	91-140 071-91	91-047 933-05	91-056 868-05	91-042 180-04 1	91-042 181-93 1	91-042 179-23	91-040 528-90			91-057 721-91	
-195/02	CN	91-140 071-91	91-026 745-04	91-026 746-04	91-049 715-04 117	91-049 269-93 117	91-040 788-23	91-040 528-90			91-057 721-91	
-195/02-900/56 (-900/16 30)	CN	91-140 071-91	91-047 933-04	91-056 868-05	91-049 715-04 117	91-049 269-93 117	91-040 788-23	91-040 528-90			91-057 721-91	
-308/01	CN	91-140 071-91	91-047 271-04 1	91-048 682-04 1	91-049 592-05	91-049 077-93 1	91-053 699-93				91-057 721-91	91-010 689-25
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-706/47 (P)												
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-706/48 (P) 30/0												
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	CN8; DN8	91-140 071-91	91-026 745-04	91-048 922-04	91-049 709-05	91-049 269-93 117					91-057 721-91	
	CN10; DN10	91-140 071-91	91-047 243-04	91-048 640-04	91-049 575-05	91-046 732-93					91-057 721-91	
-40/01	CN; DN	91-140 071-91	91-026 745-04	91-026 746-04	91-044 102-04 1	91-044 101-93 1	91-046 330-93	91-042 940-90	91-010 625-24		91-057 721-91	
	CN8; DN8	91-140 071-91	91-026 745-04	91-048 922-04	91-044 102-04 1	91-044 101-93 1	91-046 330-93	91-042 940-90	91-010 625-24		91-057 721-91	
	CN10; DN10	91-140 071-91	91-047 243-04	91-048 640-04	91-049 577-04 1	91-049 071-93 1	91-046 330-93	91-042 940-90	91-010 625-24		91-057 721-91	
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¹⁾ Die Liste enthält nur Nähwerkzeuge und Apparate. Beim Umbau in eine andere Unterklasse oder Ausführung sind auch noch Maschinenteile erforderlich. Geben Sie also bei Bestellungen die genaue Bezeichnung der vorhandenen und der gewünschten Ausführung bekannt.

¹⁾ This list contains sewing parts and attachments only. When converting to another subclass or version, machine parts are also necessary. When ordering please therefore indicate exactly the existing version and the one required.

¹⁾ Cette liste ne contient que les organes de couture et les guides. En cas de transformation en une sous-classe ou variante différente, il faut utiliser aussi certaines pièces de machine supplémentaires. En cas de commande, priez de toujours indiquer par conséquent les variantes disponibles et souhaitées.

¹⁾ Esta lista sólo contiene elementos de costura y aparatos. Siempre que haya que transformar la máquina en otro tipo o subclase, se necesitarán también piezas de máquina, por lo que deberá indicarse en los pedidos el tipo exacto de que se dispone y el deseado.

(P) = Hüpferttransport, auf Wunsch lieferbar.
= Four motion drop feed, available on request.
= Griffe sautillante, en option.
= Transportador a cuatro tiempos, sobre demanda.

* = Mit Hüpferttransport (P) nicht lieferbar.
= Not available with for-motion drop feed (P).
= Non livrable avec griffe sautillante (P).
= No suministra co transportador a cuatro tiempos (P).

⁴⁾ = Ausführung angeben
= Indicate model
= Préciser la version
= Indíquese el tipo de máquina

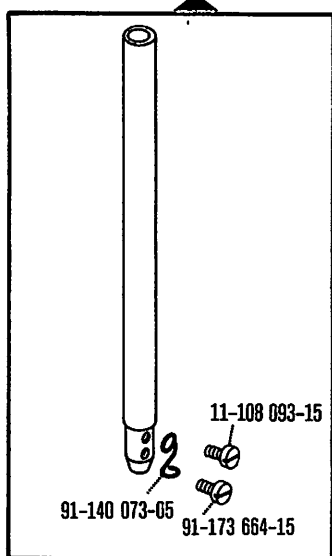
⁵⁾ = Nähmuster einsenden
= Submit sewing sample
= Joindre échantillons de couture
= Envíese muestra de costura

¹¹⁷ = Abschnappbreite bei Bestellung angeben
= Indicate stitching margin on order
= Indiquer le relarge de couture à la commande
= Indíquese el margen de costura en los pedidos

¹⁰⁰ = Nicht mehr im Programm; jedoch Ersatzteile lieferbar
= No longer part of production range; substitute available
= Rayé du programme; pièces détachées toutefois livrables
= Fuera de programa; las piezas de recambio, no obstante, se siguen suministrando.

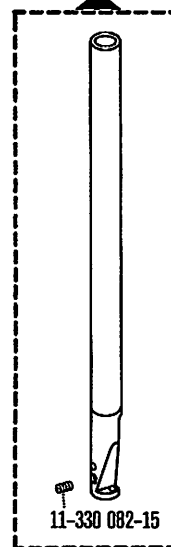
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91-140 679-92



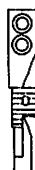
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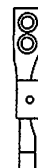
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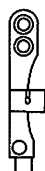
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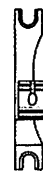
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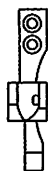
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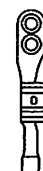
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91-047 933-05



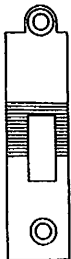
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 -706/47-6/01

91-059 112-04



-706/05; /07-6/01-900/56
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91-026 746-04



-706/05; /07-6/01
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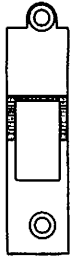
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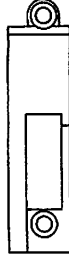
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-706/48-6/01

91-045 592-04



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 -706/05; /07-155/01

91-048 537-05



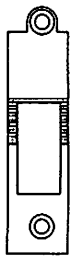
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91-048 639-04



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91-048 640-04



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91-048 682-04



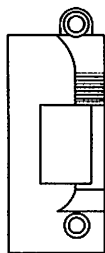
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91-048 925-04



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91-058 868-05



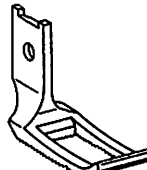
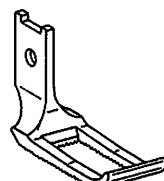
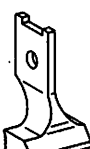
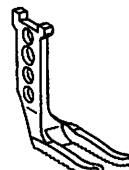
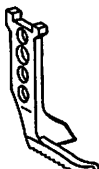
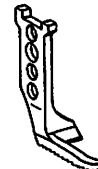
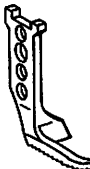
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91-058 939-05



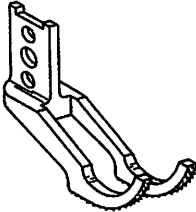
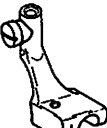
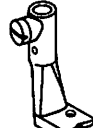
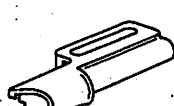
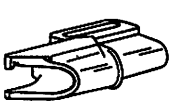
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91-058 940-05  -708/05; /07-6/01-800/56 -708/05; /07-40/01-800/56 -708/05; /07-40/05-800/56	91-040 234-04     -708/05; /07-2/01	91-040 432-04     -708/05; /07-17/01 -708/05; /07-39/01 -708/05; /07-155/01	
91-042 180-04    -708/05; /07-168/02 (-800/56)	91-044 102-04    -708/05; /07-40/01 (-800/56) -708/05; /07-40/05 (-800/56) -708/05; /07-40/09 (-800/56) -708/48-40/01 -708/48-40/05	91-046 731-04   -708/48-6/01	
91-049 514-04    -708/05; /07-136/02 (-800/56)	91-049 575-05  -708/48-6/01	91-049 576-04    -708/05; /07-40/01 (-800/56) -708/05; /07-40/05 (-800/56)	91-049 577-04    -708/48-40/01 -708/48-40/05
91-049 588-04    -708/05; /07-122/01	91-049 592-05 	91-049 709-05  -708/48-6/01	-708/05; /07-308/01 -708/05; /07-308/05
91-049 715-04     -708/05; /07-6/01 (-800/56) -708/05; /07-17/41 -708/05; /07-39/41 -708/05; /07-155/41 -708/05; /07-185/02 (-800/56) -708/47-6/01	91-049 719-04   -708/05; /07-6/01 (-800/56)	91-049 720-04   -708/05; /07-6/01 (-800/56)	

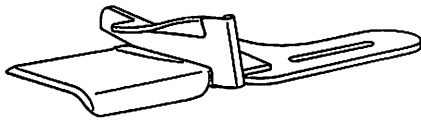
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Unterklassen-Übersicht/Table of subclasses/Table des sous-classes/Tabla de subclasses

91-049 792-04  -708/05; /07-8/07 (-900/56)		91-040 233-93 4 12/2  -708/05; /07-2/01	91-042 181-93 4 5  -708/05; /07-168/02 (-900/56)
91-042 819-93 4 12/2  -708/05; /07-17/01 -708/05; /07-39/01 -708/05; /07-155/01	91-044 101-93 4 5  -708/05; /07-40/01 (-900/56) -708/05; /07-40/05 (-900/56) -708/05; /07-40/09 (-900/56) -708/48-40/01 -708/48-40/05	91-046 732-93 4  -708/48-6/01	
91-049 021-93 4 5  -708/05; /07-138/02 (-900/56)	91-049 070-93 4 5  -708/05; /07-40/01 (-900/56) -708/05; /07-40/05 (-900/56)	91-049 071-93 4 5  -708/48-40/01 -708/48-40/05	91-049 077-93 4 5  -708/05; /07-308/01 -708/05; /07-308/05
91-049 087-93 4 5  -708/05; /07-122/01	91-049 269-93 4 12/2  -708/05; /07-8/01 (-900/56) -708/05; /07-17/41 -708/05; /07-39/41 -708/05; /07-155/41 -708/05; /07-195/02 (-900/56) -708/47-8/01 -708/48-8/01	91-049 345-93  -708/05; /07-6/07 (-900/56)	
91-040 533-23 5  -708/05; /07-17/01	91-040 600-23 5  -708/05; /07-195/01	91-040 798-23 5  -708/05; /07-195/02 (-900/56)	

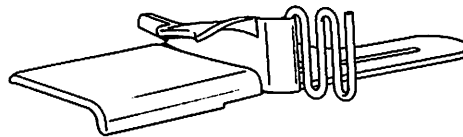
Unterklassen-Übersicht/ Table of subclasses/ Table des sous-classes/ Tabla de subclasses

91-041 111-23 



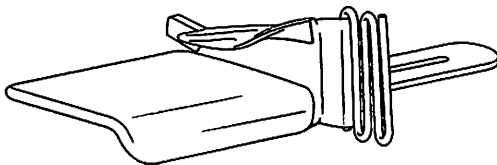
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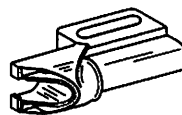
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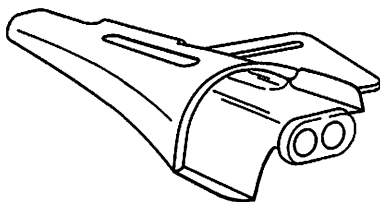
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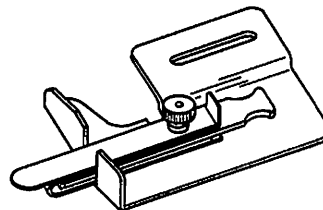
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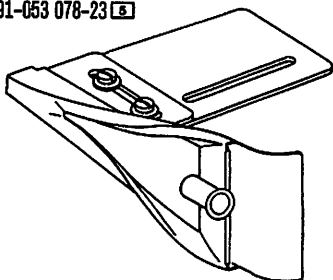
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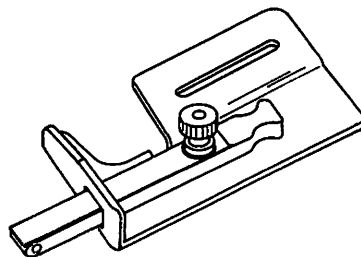
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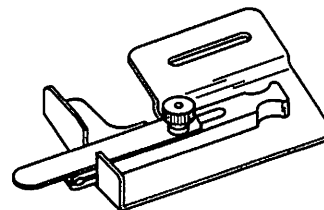
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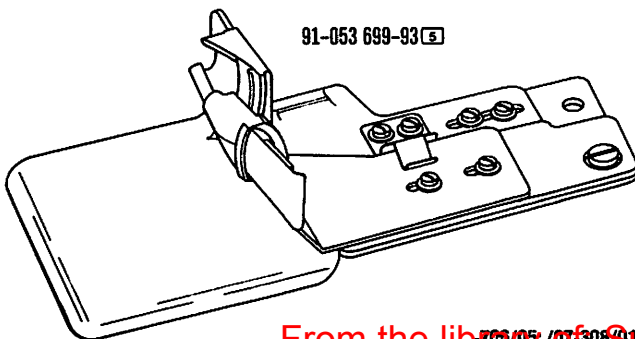
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91-053 256-93 



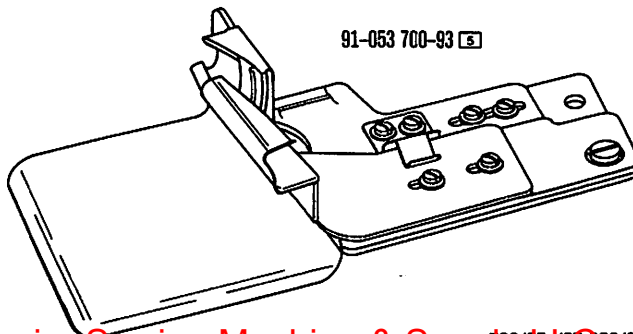
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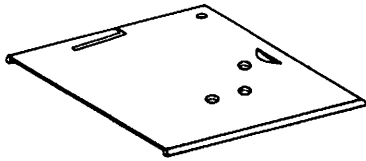
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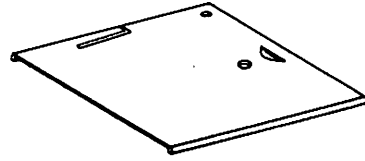
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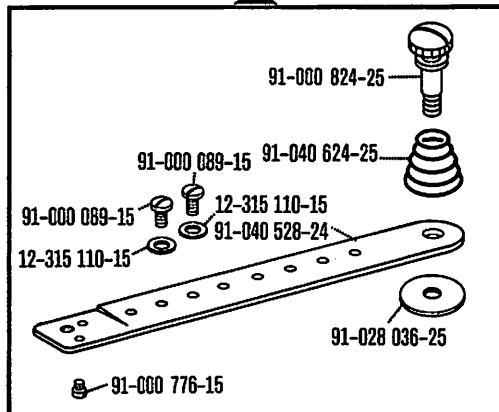
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91-492 006-25



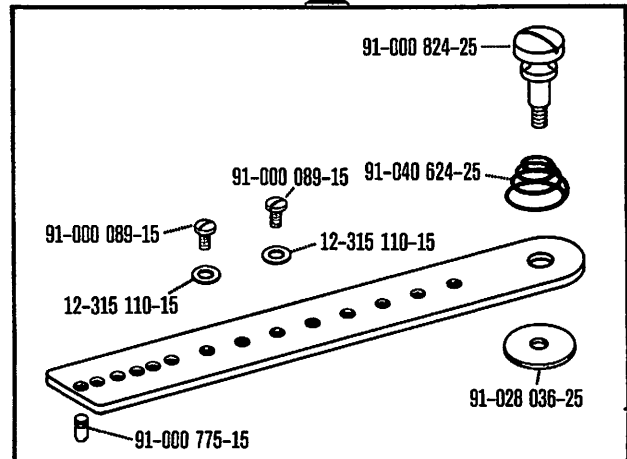
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91-040 528-90



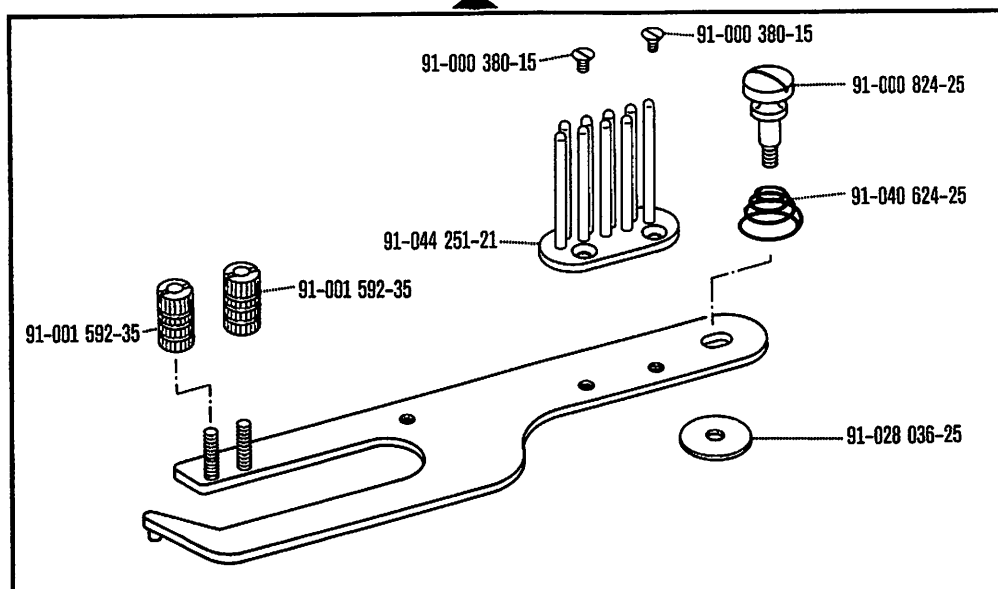
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91-042 940-90



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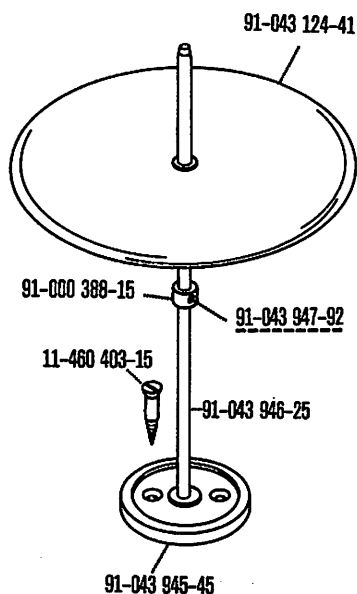
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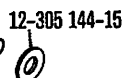
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91-043 943-91

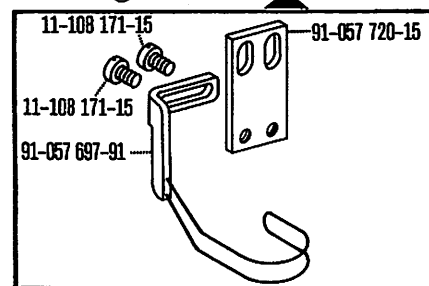


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11-108 222-15

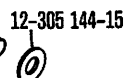


91-057 721-91

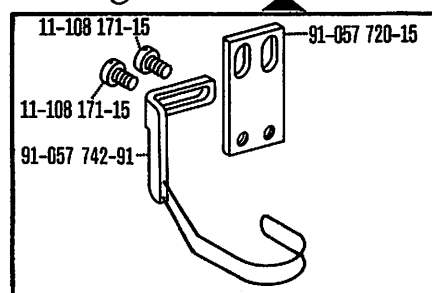


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11-108 222-15



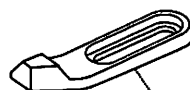
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91-025 559-25



91-040 998-25

-708/05; /07-2/01

91-000 089-15

12-305 114-15



-708/05; /07-308/01
-708/05; /07-308/05

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