

STOCK NO.	T049900-370		LOCATION	Z033	
DESC.	343/344-U-12 CAT				
UNIT	EA	QUANTITY	2	DATE	000
CUST. NO.	127	CONTROL NO.	1675683		
CUST. ORDER NO.	5115	PICKED			
1 OF	3	BATCH	3	ORDER	20



Spare Parts Catalogue

Pfaff 343 U-12

Pfaff 344 U-12

PFAFF INDUSTRIEMASCHINEN GMBH KAISERSLAUTERN

Foreword

All component parts are grouped together as they are arranged in the sewing machine.

All underlined part numbers signify assemblies which are made up of several component parts.

An asterisk (*) preceding the part number indicates that the part in question is not interchangeable with a similar part used on previous machines which is listed on p. VIII. If the part to be replaced on a previous machine is listed on p. VIII under its old part number, order a replacement part under this number. If not, order the latest version of this part under its current number.

Part number changes will be published on correction sheets and disseminated with our circulars.

Subject to alterations in design.

September 1969

**PFAFF INDUSTRIEMASCHINEN GMBH
KAISERSLAUTERN**

Contents

Pfaff 343 U-12/02

Single-needle, cylinder-bed basting machine,
w/ Stop motor

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Pfaff 344 U-12/02

Two-needle, cylinder-bed basting machine,
w/ Stop motor

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Pfaff 343 U-12/03

Single-needle, cylinder-bed basting machine,
w/ balance wheel clutch and squirrel-cage
induction motor

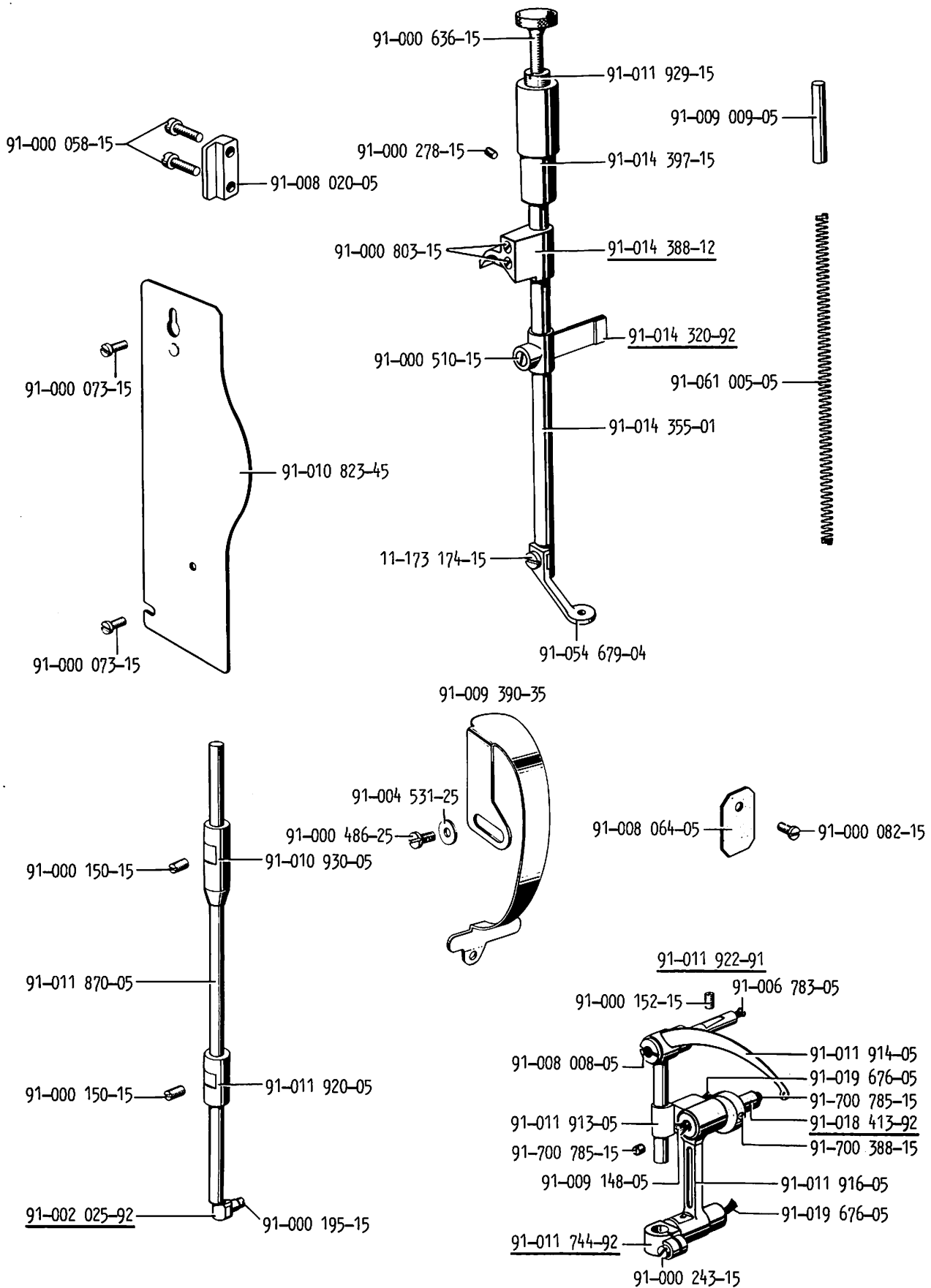
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Pfaff 344 U-12/03

Two-needle, cylinder-bed basting machine,
w/ balance wheel clutch and squirrel-cage
induction motor

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Front Parts



11-173 174-15	Fastening screw (A M 4x8 DIN 85-86) for No.91-054 679-04
91-000 058-15	Fastening screw for No.91-008 020-05
91-000 073-15	Fastening screw for No.91-010 823-45
91-000 082-15	Fastening screw for No.91-008 064-05
91-000 150-15	Fastening screw for Nos.91-010 930-05; 91-011 920-05
91-000 152-15	Fastening screw for No.91-008 008-05
91-000 195-15	Fastening screw for No.91-002 025-92
91-000 243-15	Binding screw for No.91-011 744-92
91-000 278-15	Fastening screw for No.91-014 397-15
91-000 486-25	Fastening screw for No.91-009 390-35
91-000 510-15	Fastening screw for No.91-014 320-92
91-000 636-15	Pressure regulating thumb screw
*91-000 803-15	Fastening screw for No.91-014 388-12
<u>91-002 025-92</u>	Needle holder, w/ set screw No.91-000 195-15
91-004 531-25	Washer for No.91-000 486-25
91-006 783-05	Oil wick (100 mm long) for No.91-008 008-05
91-008 008-05	Hinge stud for No.91-011 914-05
91-008 020-05	Position bracket guide for No.91-014 320-92
91-008 064-05	Oil pad for No.91-011 922-91
91-009 009-05	Presser bar spring stop pin for No.91-061 005-05
91-009 148-05	Oil wick (60 mm long) for No.91-018 413-92
91-009 390-35	Take-up lever guard
91-010 823-45	Face plate
91-010 930-05	Needle bar bushing, upper
<u>91-011 744-92</u>	Needle bar connecting stud, w/ binding screw No.91-000 243-15
91-011 870-05	Needle bar
*91-011 913-05	Drive stud
*91-011 914-05	Take-up lever
*91-011 916-05	Needle bar connecting link
91-011 920-05	Needle bar bushing, lower
<u>*91-011 922-91</u>	Take-up lever, compl., consisting of Nos.91-008 008-05; 91-011 744-92; 91-011 913-05; 91-011 914-05; 91-011 916-05; 91-018 413-92
91-011 929-15	End screw for No.91-014 397-15
<u>91-014 320-92</u>	Presser bar guide collar, w/ set screw No.91-000 510-15
91-014 355-01	Presser bar
<u>*91-014 388-12</u>	Presser bar lifting bracket, w/ set screw No.91-000 803-15
91-014 397-15	Presser bar bushing
<u>*91-018 413-92</u>	Take-up crank, w/ end screw Nos.91-700 388-15; 91-700 785-15
91-019 676-05	Oil wick (20 mm long) for Nos.91-011 744-92; 91-011 913-05

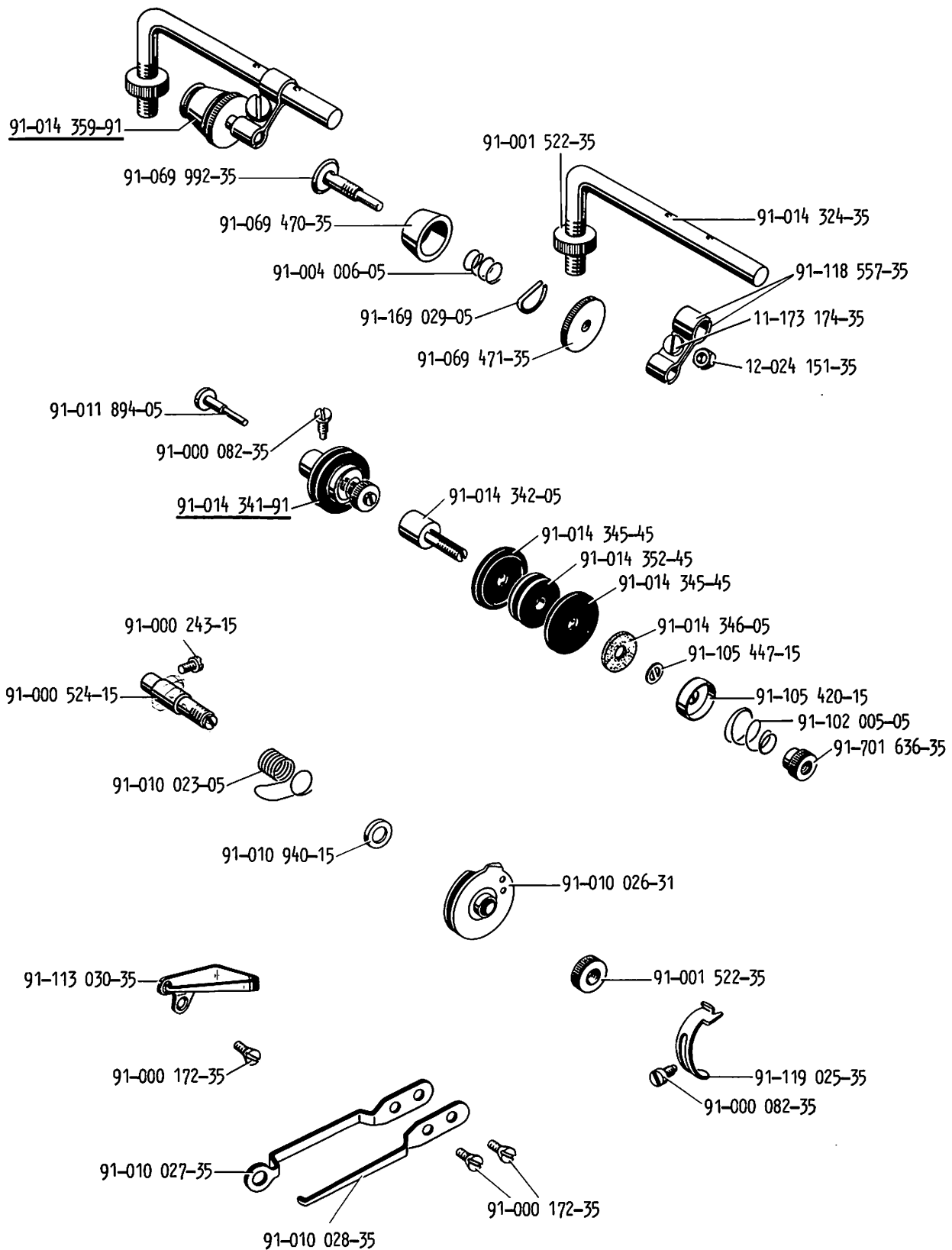
91-054 679-04 x Model
Presser foot

91-061 005-05 Presser bar spring

91-700 388-15 End screw for No.91-018 413-92

91-700 785-15 End screw for No.91-018 413-92

Thread Tension and Thread Guide Parts

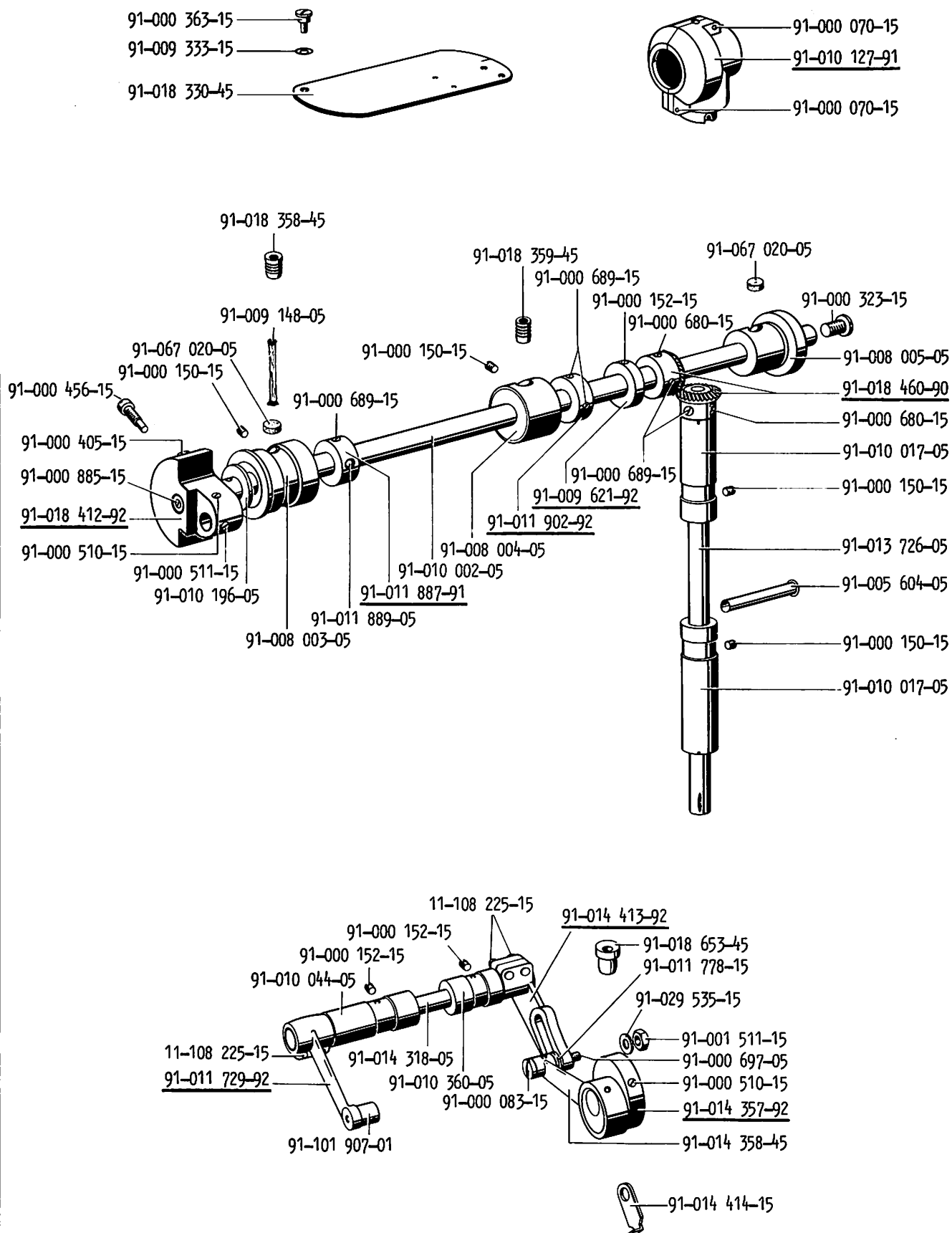


- 11-173 174-35 Binding screw (A M 4x8 DIN 85-8G)
for No.91-118 557-35
- 12-024 151-35 Nut (M 4 DIN 934-5S) for No.11-173 174-35
- 91-000 082-35 Fastening screw for Nos.91-014 341-91;
91-119 025-35
- 91-000 172-35 Fastening screw for Nos.91-010 027-35;
91-010 028-35; 91-113 030-35
- 91-000 243-15 Fastening screw for No.91-000 524-15
- 91-000 524-15 Stud, threaded, for No.91-010 026-31
- 91-001 522-35 Nut for Nos.91-000 524-15; 91-014 324-35
- 91-004 006-05 Pressure spring for No.91-069 470-35
- 91-010 023-05 Thread check spring
- 91-010 026-31 Thread controller disc
- 91-010 027-35 Thread guide, back section
- 91-010 028-35 Thread guide, front section
- 91-010 940-15 Washer for No.91-010 023-05
- 91-011 894-05 Tension release plunger
- 91-014 324-35 Thread retainer bracket
- 91-014 341-91 Thread tension compl.,
consisting of Nos.91-014 342-05; 91-014 345-45;
91-014 346-05; 91-014 352-45; 91-102 005-05;
91-105 420-15; 91-701 636-35
- 91-014 342-05 Tension stud
- 91-014 345-45 Tension disc
- 91-014 346-05 Washer (felt) for No.91-014 341-91
- 91-014 352-45 Thread guide roller
- 91-014 359-91 Thread retainer, compl.,
consisting of Nos.11-173 174-35; 12-024 151-35;
91-001 522-35; 91-004 006-05; 91-014 324-35;
91-069 470-35; 91-069 471-35; 91-069 992-35;
91-118 557-35; 91-169 029-05
- 91-069 470-35 Thread retainer sleeve
- 91-069 471-35 Regulating for No.91-069 992-35
- 91-069 992-35 Thread retainer stud
- 91-102 005-05 Tension spring
- 91-105 420-15 Tension release washer
- 91-105 447-15 Washer for No.91-105 420-15
- 91-113 030-35 Thread guide
- 91-118 557-35 Thread retainer holder
- 91-119 025-35 Stop for No.91-010 023-05
- 91-169 029-05 Safety ring for No.91-069 471-35
- 91-701 636-35 Nut for No.91-014 342-05

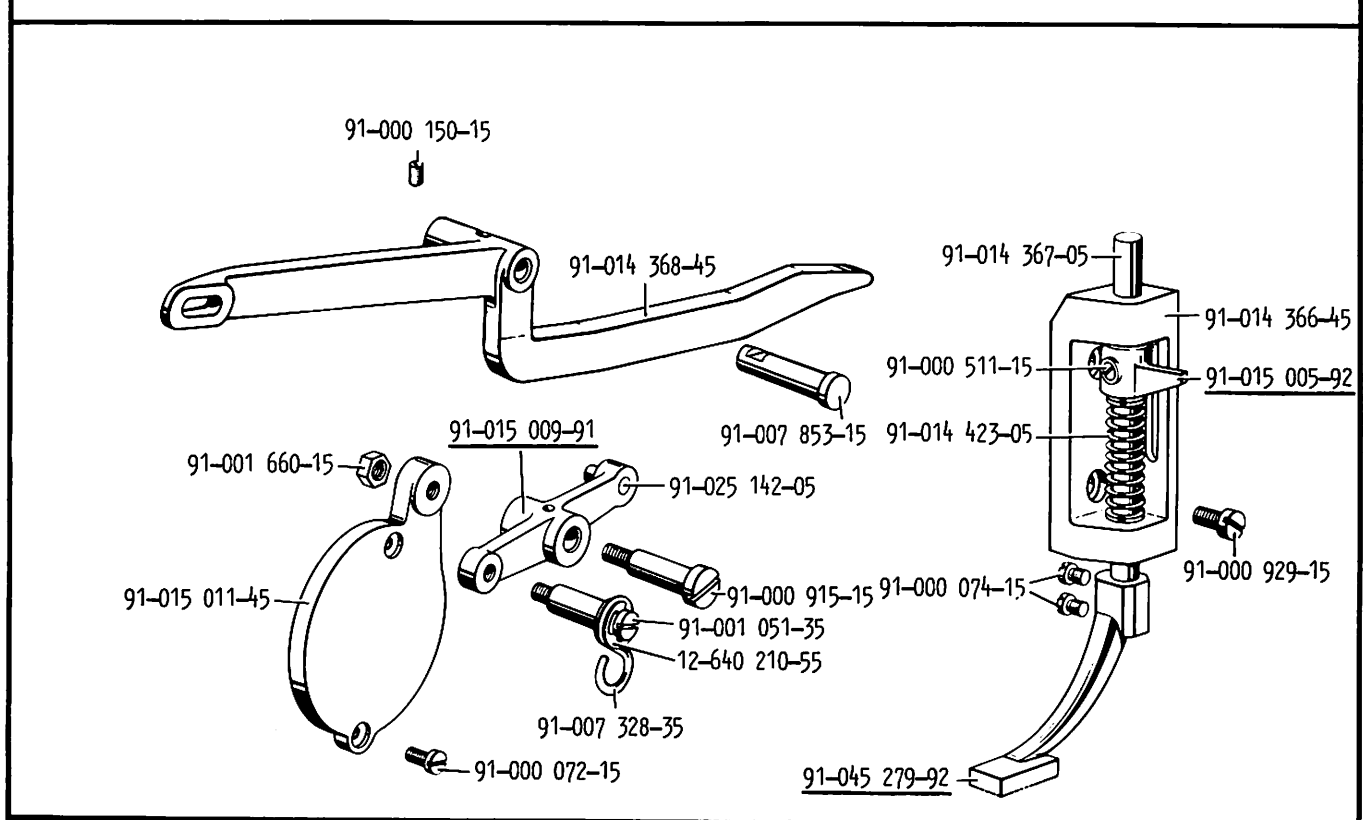
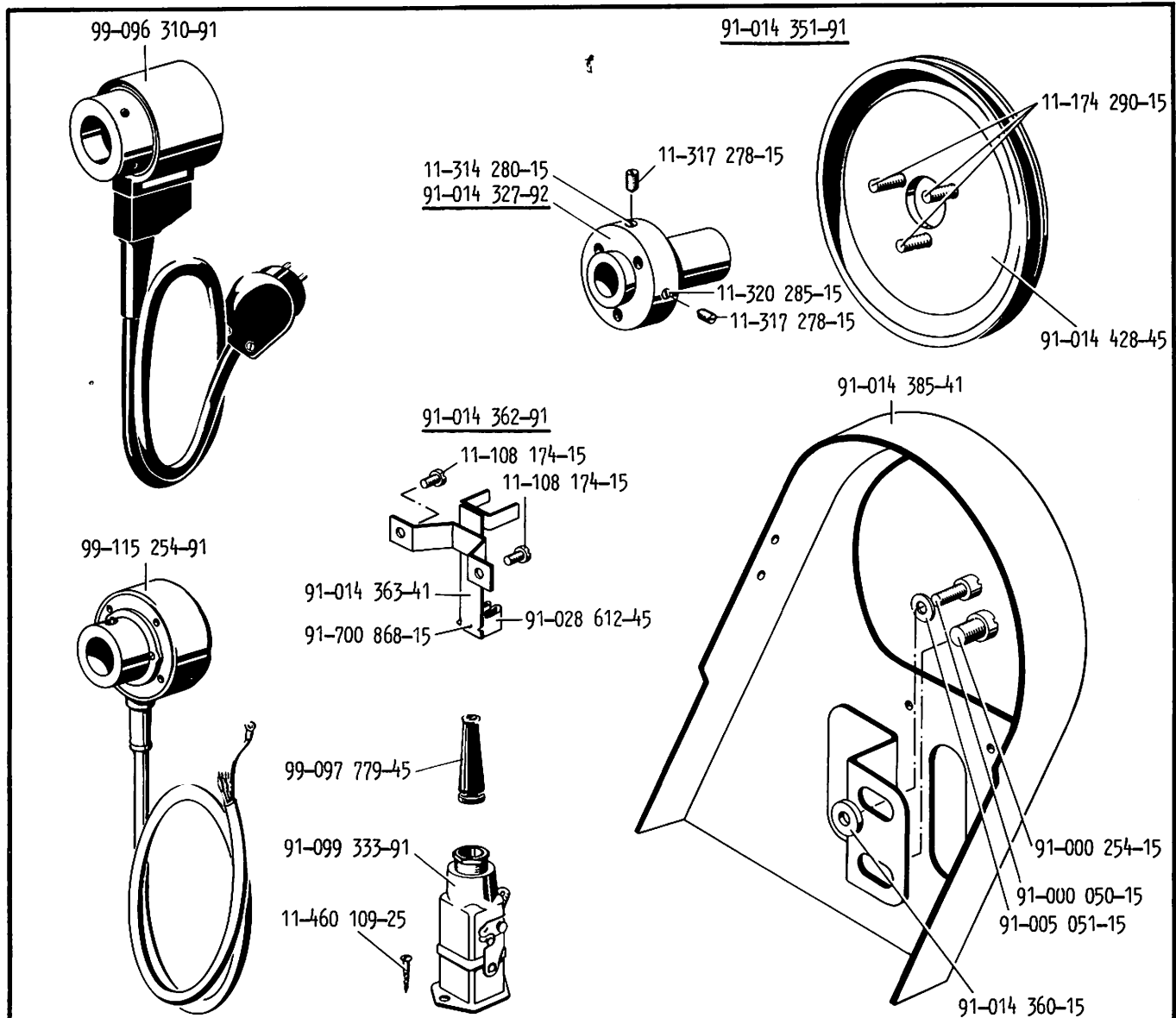
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III/1;III/2

**Arm Parts
and
Auxiliary Pad Holder Parts**



*11-108 225-15	Binding screw (A M 5x10 DIN 84-8G) for Nos.91-011 729-92; 91-014 413-92	91-010 017-05	Vertical shaft bushing
91-000 070-15	Fastening screw for No.91-010 127-91	91-010 044-05	Bearing bushing for No.91-014 318-05
91-000 083-15	End screw for No.91-014 358-45	<u>91-010 127-91</u>	Bevel gear case, w/ set screw No.91-000 070-15
91-000 150-15	Fastening screw for Nos.91-008 003-05; 91-008 004-05; 91-010 017-05	91-010 196-05	Friction washer for No.91-008 003-05
91-000 152-15	Fastening screw for Nos.91-009 621-92; 91-010 044-05; 91-010 360-05	91-010 360-05	Bearing bushing for No.91-014 318-05
91-000 323-15	End screw, rear, for No.91-010 002-05	<u>91-011 729-92</u>	Presser bar driving crank, w/ binding screw No.11-108 225-15
91-000 363-15	Fastening screw for No.91-018 330-45	91-011 778-15	Washer for No.91-000 697-05
91-000 405-15	Fastening screw for No.91-018 412-92	<u>91-011 887-91</u>	Tension release tripping point collar, w/ No.91-000 689-15 Set screw No.91-011 889-05 Tripping point
91-000 456-15	Fastening screw for No.91-018 412-92	91-011 889-05	Tension release tripping point
91-000 510-15	Fastening screw for Nos.91-014 357-92; 91-018 413-92 (see Section I)	<u>91-011 902-92</u>	Set collar, w/ set screw No.91-000 689-15
91-000 511-15	Fastening screw for No.91-018 413-92 (see Section I)	91-013 726-05	Vertical shaft
91-000 680-15	Fastening screw, pointed, for No.91-018 460-90	91-014 318-05	Presser bar driving shaft
91-000 689-15	Fastening screw, blunt, for Nos.91-011 887-91; 91-011 902-92; 91-018 460-90	<u>91-014 357-92</u>	Presser bar driving eccentric, w/ set screw No.91-000 510-15
91-000 697-05	Hinge stud for No.91-014 358-45	91-014 358-45	Driving eccentric connection
91-000 885-15	End screw, front, for No.91-010 002-05	<u>91-014 413-92</u>	Presser bar driving crank, w/ binding screw No.11-108 225-15
91-001 511-15	Nut for No.91-000 697-05	91-014 414-15	Stop for No.91-014 413-92
91-005 604-05	Oil tube (48 mm long) for No.91-010 017-05	91-018 330-45	Top cover
91-008 003-05	Arm shaft bushing, front	91-018 358-45	Oil cup for No.91-008 003-05
91-008 004-05	Arm shaft bushing, center	91-018 359-45	Oil cup for No.91-008 004-05
91-008 005-05	Arm shaft bushing, rear	<u>*91-018 412-92</u>	Needle bar crank, w/ set screw Nos.91-000 405-15; 91-000 510-15; 91-000 511-15
91-009 148-05	Oil wick (60 mm long) for No.91-018 358-45	<u>91-018 460-90</u>	Bevel gear assembly, w/ No.91-000 680-15 Set screw, pointed No.91-000 689-15 Set screw, blunt
91-009 333-15	Spring washer for No.91-000 363-15	91-018 653-45	Oil cup for No.91-014 357-92
<u>91-009 621-92</u>	Collar, w/ set screw No.91-000 152-15, for No.91-010 127-91	91-029 535-15	Washer for No.91-001 511-15
91-010 002-05	Arm shaft	91-067 020-05	Oil pad (11 mm dia., 4 mm high) for Nos.91-008 003-05; 91-008 005-05
		91-101 907-01	Roller for No.91-011 729-92



Arm Parts

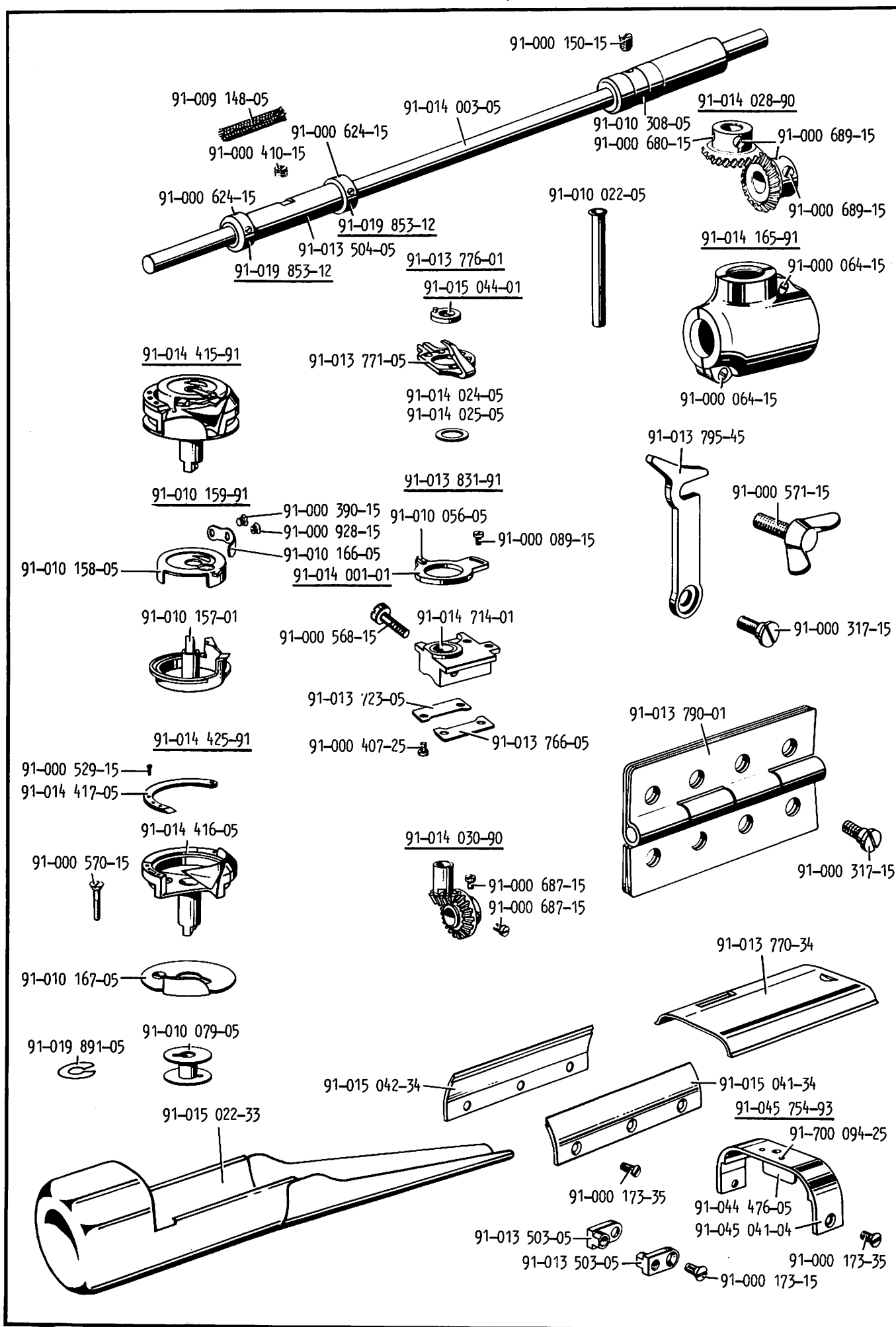
11-108 174-15	Fastening screw (A M 4x8 DIN 84-8G) for No.91-014 362-91	91-014 360-15	Washer for No.91-014 385-41
11-174 290-15	Fastening screw (M 6x15 DIN 920-8G) for No.91-014 428-45	<u>91-014 362-91</u>	Synchronizer holder compl., consisting of Nos.91-014 363-41; 91-028 612-45; 91-700 868-15
11-314 280-15	Fastening screw (M 6x8 DIN 438-5S), blunt, for No.91-014 327-92	91-014 363-41	Synchronizer holder
11-317 278-15	Pinch screw (M 6x6 DIN 551-5S) for Nos.11-314 280-15; 11-320 285-15	91-014 385-41	Belt guard
11-320 285-15	Fastening screw (M 6x10 DIN 553-5S) pointed, for No.91-014 327-92	91-014 428-45	V-belt pulley
11-460 109-25	Wood screw (3x13 DIN 96-St) for No.91-099 333-91	91-028 612-45	Cord clip for No.91-014 362-91
91-000 050-15	Fastening screw for No.91-014 385-41	91-099 333-91	Plug, special type for No.99-115 254-91
91-000 254-15	Fastening screw for No.91-014 385-41	91-700 868-15	Fastening screw for No.91-028 612-45
91-005 051-15	Washer for No.91-000 050-15	99-096 310-91	Synchronizer for Quick-Stop motor
<u>91-014 327-92</u>	Bearing bushing, w/ No.11-314 280-15 Set screw, blunt No.11-320 285-15 Set screw, pointed	99-097 779-45	Sleeve for No.99-115 254-91
<u>91-014 351-91</u>	V-belt pulley, w/ bearing bushing, compl., consisting of Nos.11-174 290-15; 91-014 327-92; 91-014 428-45	99-115 254-91	Synchronizer for Posi-Stop motor
		91-014 326-45	Arm (not ill.)

Auxiliary Pad Holder Parts

12-640 210-55	Slip washer (8 DIN 6799) for No.91-007 328-35	91-014 366-45	Presser bar frame
91-000 072-15	Fastening screw for No.91-015 011-45	91-014 367-05	Presser bar
91-000 074-15	Fastening screw for No.91-045 279-92	91-014 368-45	Lifting lever
91-000 150-15	Fastening screw for No.91-007 853-15	91-014 423-05	Presser bar spring
91-000 511-15	Fastening screw for No.91-015 005-92	<u>91-015 005-92</u>	Presser bar guide collar, w/ set screw No.91-000 511-15
91-000 915-15	Hinge screw for No.91-015 009-91	<u>91-015 009-91</u>	Connecting lever w/ hinge stud No.91-025 142-05
91-000 929-15	Fastening screw for No.91-014 366-45	91-015 011-45	Arm cover, rear
91-001 051-35	Suspension screw for No.91-007 328-35	91-025 142-05	Hinge stud for No.91-015 009-91
91-001 660-15	Nut for No.91-000 915-15	<u>91-045 279-92</u>	Auxiliary pad holder w/ set screw No.91-000 074-15
91-007 328-35	Chain suspension hook		
91-007 853-15	Hinge stud for No.91-014 368-45		

IV

Cylinder Bed and Base Parts



91-000 064-15	Fastening screw for No.91-014 165-91	91-013 723-05	Position bracket, rear, for No.91-014 714-01
91-000 089-15	Fastening screw for No.91-014 001-01	91-013 766-05	Position bracket, front, for No.91-014 714-01
91-000 150-15	Fastening screw for No.91-010 308-05	91-013 770-34	Bed slide (Orders should specify length of slide 83.5 mm)
91-000 173-15	Fastening screw for No.91-013 503-05	91-013 771-05	Bobbin case lever
91-000 173-35	Fastening screw for Nos.91-015 041-34; 91-015 042-34; 91-045 754-93	<u>91-013 776-01</u>	Bobbin case opener, compl., consisting of Nos.91-013 771-05; 91-015 044-01
91-000 317-15	Fastening screw for No.91-013 790-01 and hinge screw for No.91-013 795-45	91-013 790-01	Bed hinge for cylinder arm and machine base
91-000 390-15	Fastening screw for No.91-010 166-05	91-013 795-45	Catch for cylinder arm
91-000 407-25	Fastening screw for Nos.91-013 723-05; 91-013 766-05	<u>91-013 831-91</u>	Hook saddle, compl., consisting of Nos.91-000 089-15; 91-000 407-25; 91-013 723-05; 91-013 766-05; 91-014 001-01; 91-014 030-90; 91-014 714-01
91-000 410-15	Fastening screw for No.91-013 504-05	<u>91-014 001-01</u>	Bobbin case lever fulcrum, w/ bobbin case lever slide No.91-010 056-05
91-000 529-15	Fastening screw for No.91-014 417-05	91-014 003-05	Hook drive shaft
91-000 568-15	Fastening screw for No.91-014 714-01	91-014 024-05	Spring washer (0.68 mm thick) for hook saddle bevel gear of No.91-014 030-90
91-000 570-15	Fastening screw for No.91-014 416-05	91-014 025-05	Spacing washer (0.72 mm thick) for hook saddle bevel gear of No.91-014 030-90
91-000 571-15	Wing screw for No.91-013 795-45	<u>91-014 028-90</u>	Bevel gear assembly, w/ No.91-000 680-15 Set screw, pointed No.91-000 689-15 Set screw, blunt
91-000 624-15	Fastening screw for No.91-019 853-12	<u>91-014 030-90</u>	Bevel gear assembly w/ set screw No.91-000 687-15
91-000 680-15	Fastening screw, pointed, for No.91-014 028-90	<u>91-014 165-91</u>	Bevel gear case, w/ set screw No.91-000 064-15, for No.91-014 028-90
91-000 687-15	Fastening screw for No.91-014 030-90	<u>91-014 415-91</u>	Hook, w/ bobbin case, compl., consisting of Nos.91-010 157-01; 91-010 159-91; 91-014 425-91
91-000 689-15	Fastening screw, blunt, for No.91-014 028-90	91-014 416-05	Hook
91-000 928-15	Regulating screw for No.91-010 166-05	91-014 417-05	Hook gib
91-009 148-05	Oil wick (60 mm long) for No.91-013 504-05	<u>91-014 425-91</u>	Hook, compl., consisting of Nos.91-000 529-15; 91-010 167-05; 91-014 416-05; 91-014 417-05
91-010 022-05	Oil tube for No.91-010 308-05	91-014 714-01	Hook saddle, w/ hook bearing bushing
91-010 056-05	Guide stud for No.91-014 001-01	91-015 022-33 x 2.4	Cylinder arm cap
91-010 079-05	Bobbin	91-015 041-34 x 11.5	Bed slide clamp plate, front
91-010 157-01	Bobbin case base		
91-010 158-05	Bobbin case cap		
<u>91-010 159-91</u>	Bobbin case cap compl., consisting of Nos.91-000 390-15; 91-000 928-15; 91-010 158-05; 91-010 166-05		
91-010 166-05	Tension spring for No.91-010 158-05		
91-010 167-05	Hook washer		
91-010 308-05	Hook drive shaft bushing, rear		
91-013 503-05	Needle plate bracket		
91-013 504-05	Hook drive shaft bushing, front		

91-015 042-34 x 11.5 Bed slide clamp plate, rear

91-015 044-01 Bobbin case opener eccentric
with dog pin No.91-010 088-05

91-019 853-12 Set collar, w/
set screw No.91-000 624-15

91-019 891-05 Friction washer for No.91-010 079-05

91-045 754-93 x Model
Needle plate compl.,
consisting of Nos.91-044 476-05; 91-045 041-04;
91-700 094-25

91-044 476-05 Loop guard

91-045 041-04 x Model
Needle plate

91-700 094-25 Fastening screw for No.91-044 476-93

91-015 048-45 Cylinder arm (not. ill.)

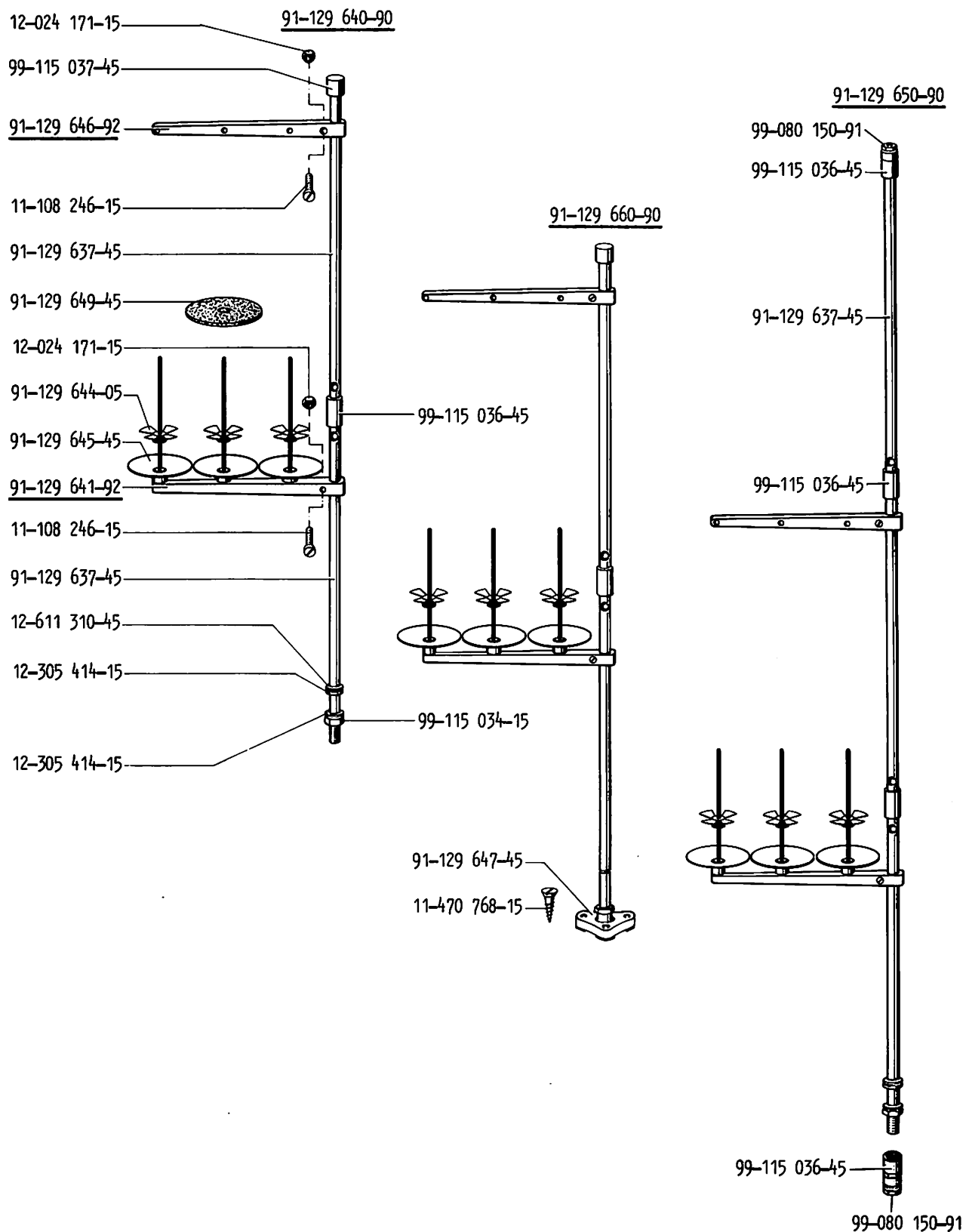
91-014 200-45 Machine base (not. ill.)

11-130 452-15 Fastening screw (not. ill.)
for No.91-015 048-45

13-060 400-05 Position pin (not. ill.)
for No.91-015 048-45

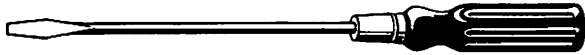
V/1; V/2

Accessory Parts



- 11-108 246-15 Binding screw (A M 5x25 DIN 84-8G)
for Nos. 91-129 641-92; 91-129 646-92
- 11-470 768-15 Wood screw (5.5x22 DIN 97-St)
for No. 91-129 647-45
- 12-024 171-15 Nut (M 5 DIN 934-8) for No. 11-108 246-15
- 12-305 414-15 Washer (A 19 DIN 125-St)
for Nos. 91-129 640-90; 91-129 650-90
- *12-611 310-45 Circlip (18x1.5 DIN 471)
- 91-129 637-45 Spool rest rod
- 91-129 640-90 Thread unwinder, standard version, compl.,
consisting of Nos. 12-305 414-15; 12-611 310-45;
91-129 637-45; 91-129 641-92; 91-129 644-05;
91-129 645-45; 91-129 646-92; 91-129 649-45;
99-115 034-15; 99-115 036-45; 99-115 037-45
- 91-129 641-92 Spool rest, w/
No. 11-108 246-15 Binding screw
No. 12-024 171-15 Nut
- 91-129 644-05 Spool retaining washer
- 91-129 645-45 Spool disc
- 91-129 646-92 Thread guide, w/
No. 11-108 246-15 Binding screw
No. 12-024 171-15 Nut
- 91-129 647-45 Thread unwinder base for No. 91-129 660-90
- 91-129 649-45 Spool pin washer (foam rubber)
- 91-129 650-90 Thread unwinder compl., special version,
Same components as No. 91-129 640-90,
but incorporating
No. 91-129 637-45 Spool rest rod (3x)
No. 99-115 036-45 Sleeve (4x)
No. 99-080 150-91 Gland (a cord guide)
- 91-129 660-90 Thread unwinder, special version, compl.,
Same components as No. 91-129 640-90,
but incorporating
No. 11-470 768-15 Wood screw
No. 91-129 647-45 Thread unwinder base
- 99-080 150-91 Gland (a cord guide)
- 99-115 034-15 Nut for No. 91-129 637-45
- 99-115 036-45 Sleeve for No. 91-129 637-45
- 99-115 037-45 Cap

91-029 007-91



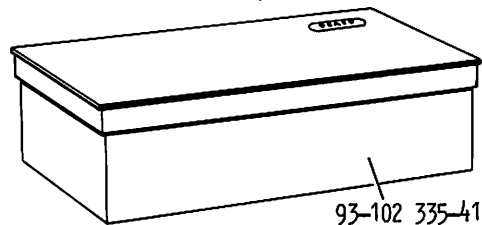
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91-029 946-91

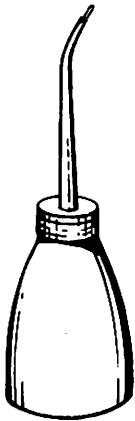


91-129 630-90



93-102 335-41

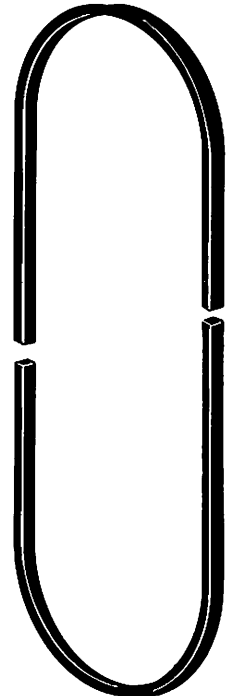
91-029 394-01



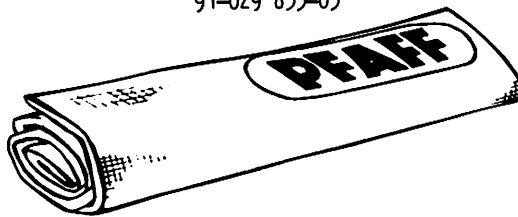
91-029 615-91



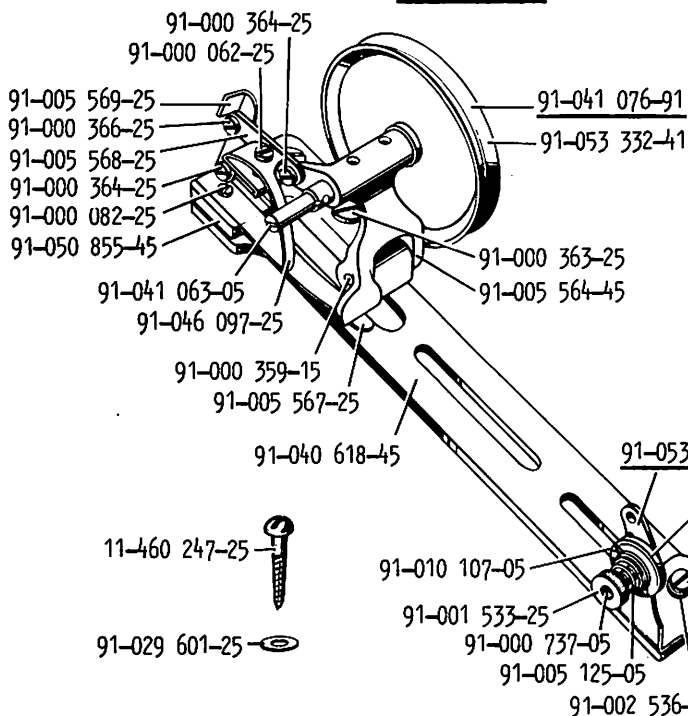
16-414 144-55



91-029 835-05



91-041 085-91

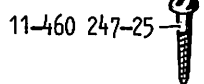


91-000 431-15

12-305 224-15

91-001 529-15

99-129 586-93



91-029 601-25

11-460 247-25 Wood screw (4.5x20 DIN 96-St) for No.91-041 085-91
 12-305 224-15 Washer (A 8.4 DIN 125-St) for No.91-001 529-15
 16-414 144-55 V-belt pulley
 Orders should specify V-belt length.
 91-000 062-25 Set screw for No.91-046 097-25
 91-000 082-25 Fastening screw for No.91-005 567-25
 91-000 237-25 Fastening screw for No.91-040 621-91
 91-000 359-15 Hinge screw for Nos.91-005 564-45; 91-050 855-45
 91-000 363-25 Fastening screw for No.91-041 076-91
 91-000 364-25 Hinge screw for Nos.91-005 568-25; 91-005 569-25
 91-000 366-25 Hinge screw for Nos.91-005 568-25; 91-005 569-25
 91-000 431-15 Fastening screw for machine base
 91-000 737-05 Tension stud
 91-001 529-15 Nut for No.91-000 431-15
 91-001 533-25 Nut for No.91-000 737-05
 91-002 536-15 Washer for No.91-000 237-25
 91-005 005-05 Tension disc
 91-005 125-05 Tension spring
 91-005 564-45 Bobbin winder frame
 91-005 567-25 Bobbin winder frame spring
 91-005 568-25 Bobbin winder stop latch trip lever
 for Nos.91-005 564-45; 91-005 569-25
 91-005 569-25 Bobbin winder thumb lever
 91-010 107-05 Position pin
 91-029 007-91 Screwdriver, 6 mm wide
 91-029 394-01 Oiler empty
 91-029 480-91 Screwdriver, 4.8 mm wide
 91-029 601-25 Washer for No.11-460 247-25
 91-029 615-91 Machine rest
 91-029 835-05 Machine cover
 91-029 946-91 Screwdriver, 2.8 mm wide
 91-040 618-45 Bobbin winder base
91-040 621-91 Bobbin winder tension bracket, compl.,
 consisting of Nos.91-000 737-05; 91-001 533-25;
 91-005 005-05; 91-005 125-05; 91-040 623-25;
 91-053 347-21

91-040 623-25 Spool pin

91-041 063-05 Bobbin winder spindle

91-041 076-91 Bobbin winder, compl.,
consisting of Nos. 91-000 062-25; 91-000 082-25;
91-000 359-15; 91-000 364-25; 91-000 366-25;
91-005 564-45; 91-005 567-25; 91-005 568-25;
91-005 569-25; 91-041 063-05; 91-046 097-25;
91-050 855-45; 91-053 332-41

91-041 085-91 Bobbin winder table model, compl.,
consisting of Nos. 91-000 237-25; 91-000 363-25;
91-002 536-15; 91-040 618-45; 91-040 621-91;
91-041 076-91

91-046 097-25 Bobbin winder stop latch

91-050 855-45 Bobbin winder frame base

91-053 332-41 Bobbin winder pulley

91-053 347-21 Bobbin winder tension bracket, w/
position pin No. 91-010 107-05

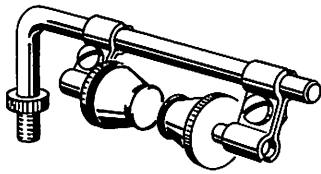
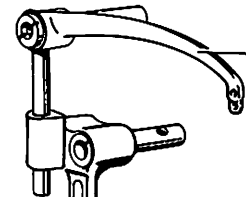
91-129 630-90 Accessory kit, compl.,
consisting of:
No. 91-010 079-05 Bobbin (see Section IV)
No. 91-029 480-91 Screwdriver (4.8 mm wide)
No. 91-029 946-91 Screwdriver (2.8 mm wide)
No. 91-129 642-05 Paper bag (not ill.)
No. 93-102 335-41 Box

93-102 335-41 Box

99-129 586-93 Wrapper, w/ needles, System 190

VI/1; VI/2

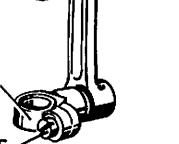
**Complementary Parts
Pfaff 344 U-12/02**

91-014 354-9191-014 461-91

91-014 462-05

91-010 703-92

91-000 243-15



91-009 527-05

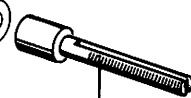
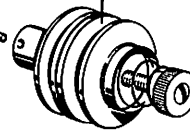
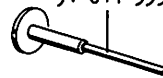
91-714 459-93

91-014 467-05

11-174 086-15

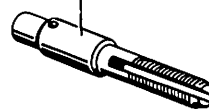
91-014 347-91

91-014 353-05

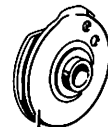


91-014 348-05

91-000 256-15

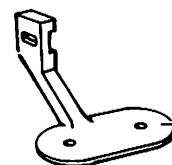
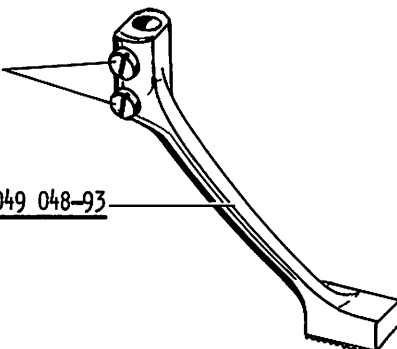


91-010 179-05



91-010 026-31

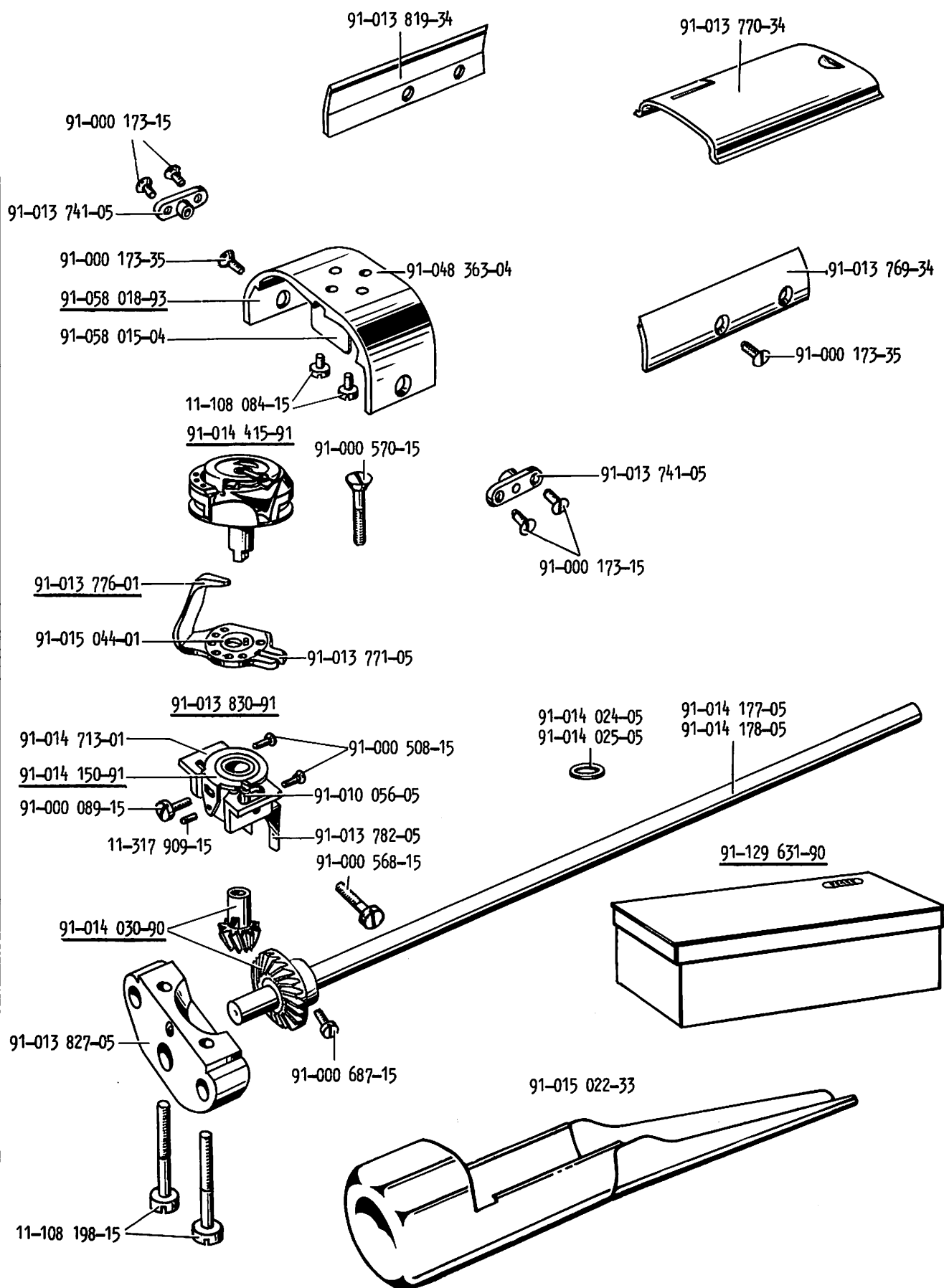
91-000 074-15

91-049 048-93

91-054 680-04

N = Needle Gauge

- 11-174 086-15 Needle set screw (M 3x4 DIN 920-5S)
- 91-000 074-15 Fastening screw for No.91-049 048-93
- 91-000 243-15 Binding screw for No.91-010 703-92
- 91-000 256-15 Stud, threaded, for No.91-010 026-31
- 91-009 527-05 Needle bar bushing, upper
- 91-010 026-31 Thread controller disc
- 91-010 179-05 Thread check spring
- 91-010 703-92 Needle bar connecting stud, w/
binding screw No.91-000 243-15
- 91-014 347-91 Thread tension compl.,
Same components as No.91-014 341-91
(see Section II), but incorporating
tension stud No.91-014 348-05 four
tension discs two thread guide rollers
- 91-014 348-05 Tension stud
- 91-014 353-05 Tension release plunger
- 91-014 354-91 Thread retainer, compl.,
Same components as No.91-014 359-91
(see Section II), but incorporating
thread tension (two-thread)
- *91-014 461-91 Take-up lever compl.
Same components as No.91-011 922-91
(see Section I), but incorporating
No.91-010 703-92 Needle bar connecting stud
No.91-014 462-05 Take-up lever
- *91-014 462-05 Take-up lever
- 91-014 467-05 Needle bar bushing, upper
- 91-049 048-93 x N Lifting presser foot, w/
set screw No.91-000 074-15
- 91-054 680-04 x N x Model
Presser foot
- 91-714 459-93 x N Needle bar, w/
needle set screw No.11-174 086-15



N = Needle Gauge

- 11-108 084-15 Fastening screw (A M 3x3 DIN 84-8G)
for No.91-058 015-04
- 11-108 198-15 Fastening screw (A M 4x25 DIN 84-8G)
for No.91-013 827-05
- 11-317 909-15 Set screw (M 3x4 DIN 551-5S)
for No.91-014 150-91
- 91-000 089- 5 Fastening screw for No.91-014 150-91
- 000 17- 15 Fastening screw for No.91-013 741-05
- 000 173-3, Fastening screw for Nos.91-013 769-34;
 91-013 819-34; 91-058 018-93
- 91-000 508-15 Fastening screw for No.91-013 782-05
- 91-000 568-15 Fastening screw for No.91-014 713-01
- 91-000 570-15 Hook set screw
- 91-000 687-15 Fastening screw for No.91-014 030-90
- 91-010 056-05 Bobbin case lever slide for No.91-014 150-91
- 91-013 741-05 Needle plate bracket
- 91-013 769-34 x N Bed slide clamp plate, front
(has only two boreholes on machines fitted
for needle gauges of 15.2 mm and up)
- 91-013 770-34 N Bed slide
- 91-013 771-05 Bobbin case lever
- 91-013 776-01 Bobbin case opener compl.,
consisting of Nos.91-013 771-05; 91-015 044-01
- 91-013 782-05 Bevel gear guard
- 91-013 819-34 x N Bed slide clamp plate, rear
(has only two boreholes on machines fitted
for needle gauges of 15.2 mm and up)
- 91-013 827-05 Bearing bracket for Nos.91-014 177-05; 91-014 178-05
- 91-013 830-91 Hook saddle, compl.,
consisting of Nos.91-000 089-15; 91-000 508-15;
91-013 782-05; 91-014 030-90; 91-014 150-91;
91-014 713-01
- 91-014 024-05 Spacing washer (0.68 mm thick) for
hook saddle bevel gear of No.91-014 030-90
- 91-014 025-05 Spacing washer (0.72 mm thick) for
hook saddle bevel gear of No.91-014 030-90
- 91-014 030-90 Bevel gear assembly w/
set screw No.91-000 687-15
- 91-014 150-91 Bobbin case lever fulcrum, w/
No.11-317 909-15 Set screw
No.91-010 056-05 Bobbin case lever slide
- 91-014 177-05 Hook drive shaft, for needle gauges up
to 20.0 mm
- 91-014 178-05 Hook drive shaft, for needle gauges
exceeding 20.0 mm
- 91-014 415-91 Hook, w/ bobbin case, compl.,
For components see Section IV
- 91-014 713-01 Hook saddle, w/ bearing bushing
- 91-015 022-33 x N Cylinder arm cap
- 91-015 044-01 Bobbin case lever eccentric
- 91-048 363-04 x N x Model
Needle plate

N = Needle Gauge

91-058 015-04 x N Loop guard

91-058 018-93 x N x Model
Needle plate compl.,
consisting of Nos. 11-108 084-15;
91-048 363-04; 91-058 015-04

91-129 631-90 Box compl.,
Same components as No. 91-129 630-90
(see Section V/2)

91-014 473-45 Cylinder arm (not ill.)

VII/1; VII/2

Complementary Parts

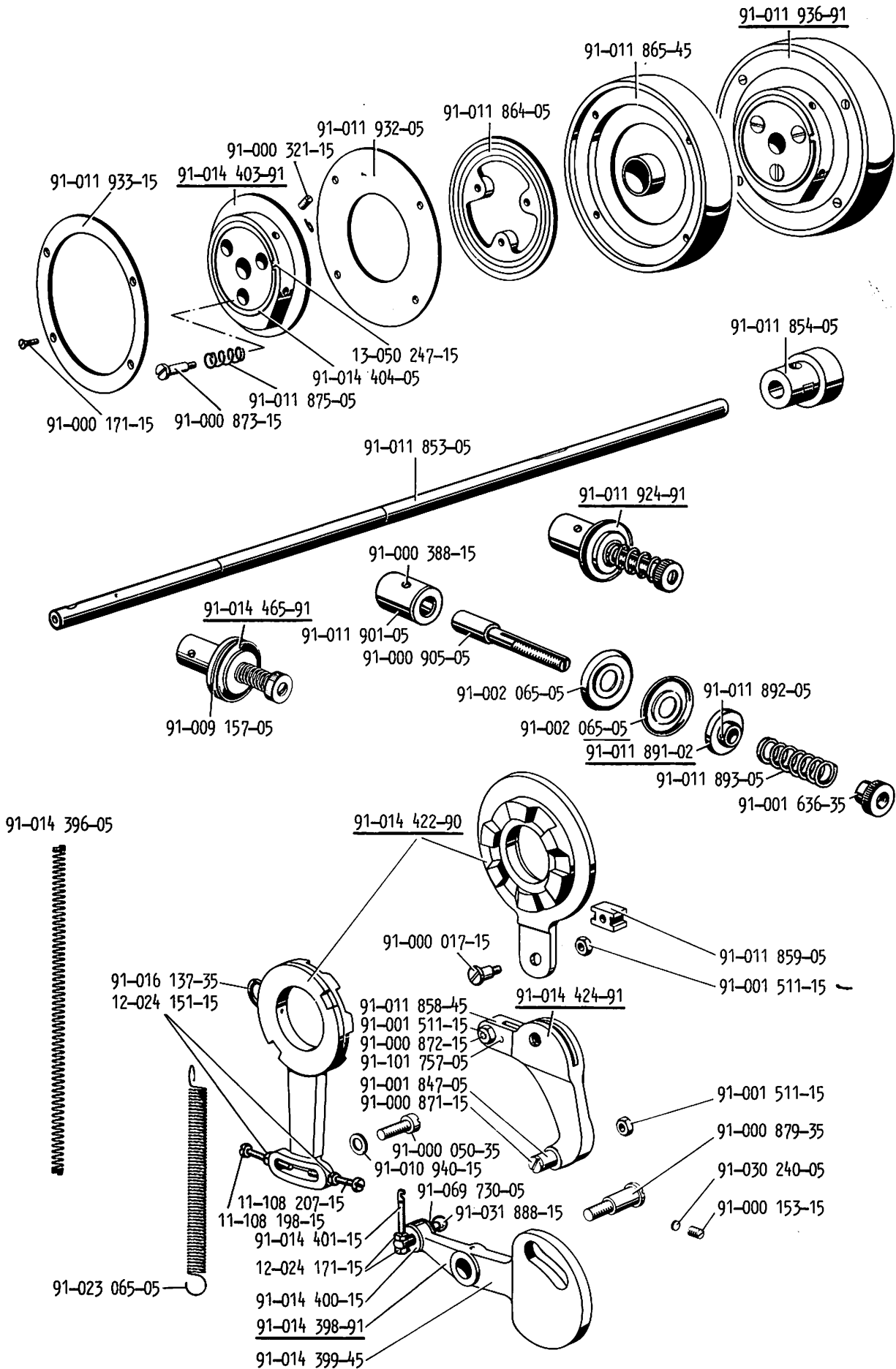
Pfaff 343 U-12/03

Pfaff 344 U-12/03

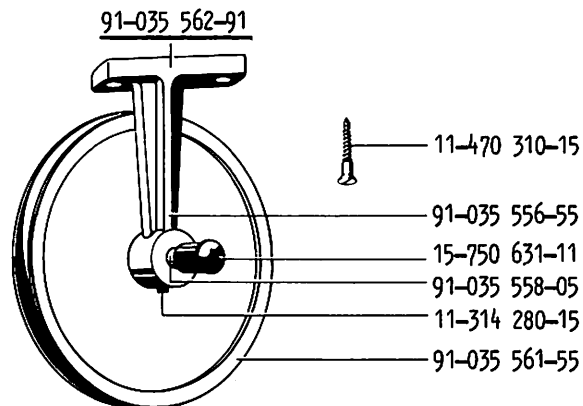
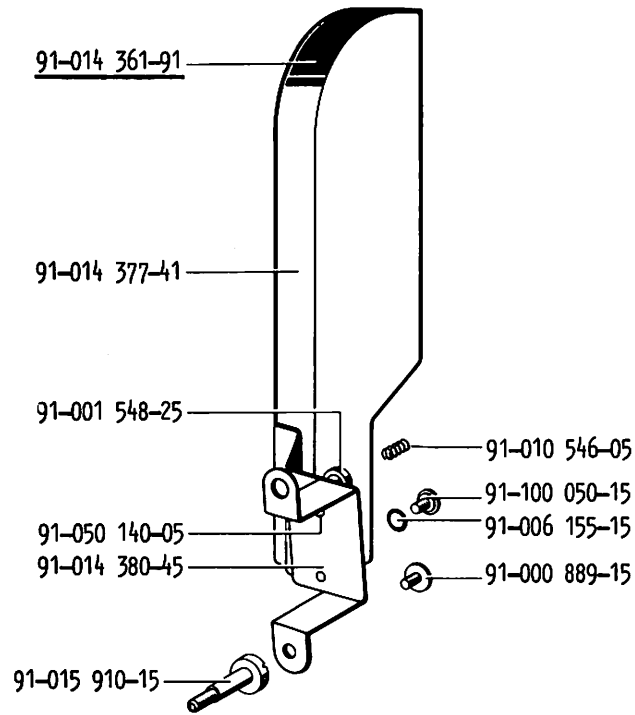
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VII/1

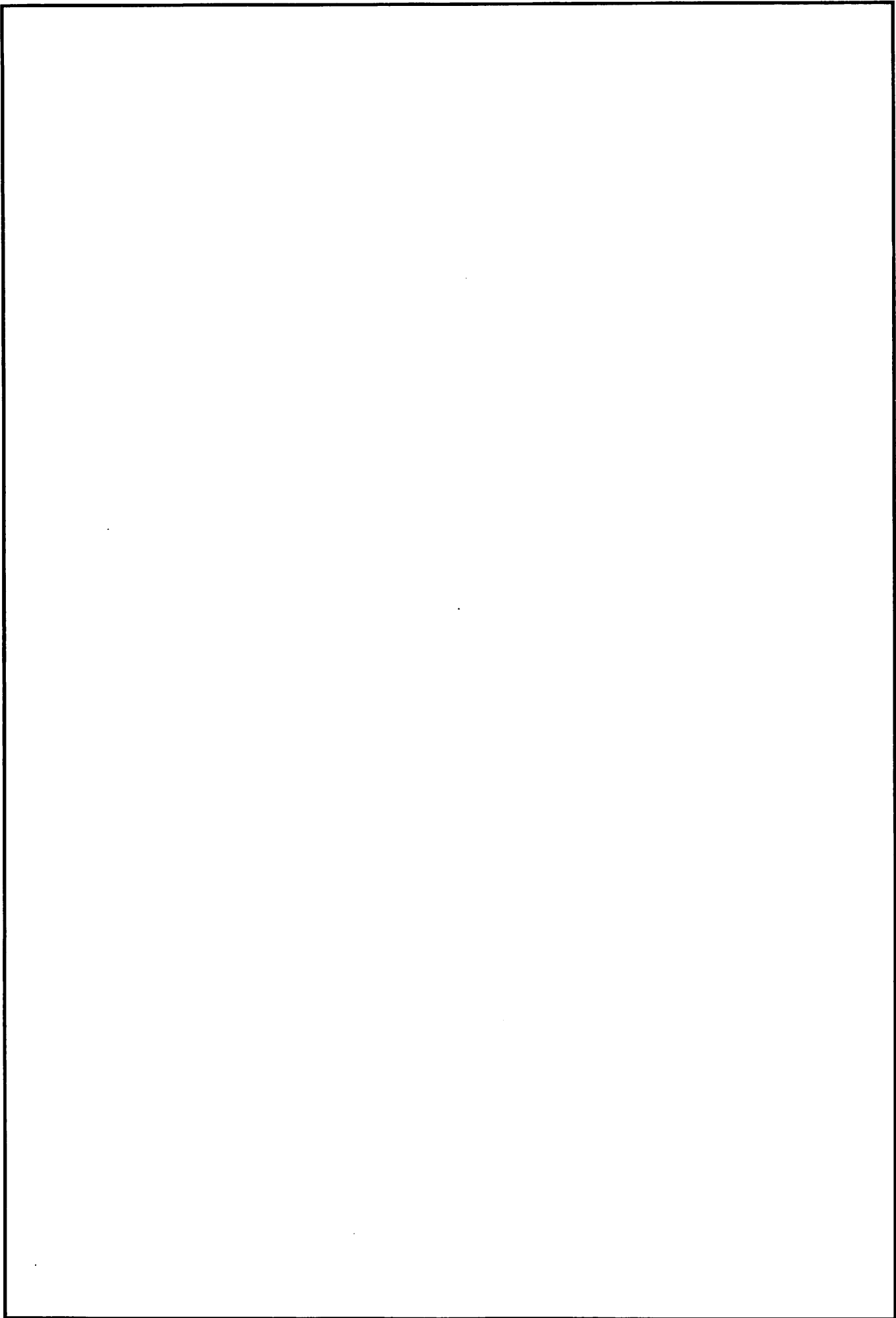
Pfaff 343 U-12/03; 344 U-12/03



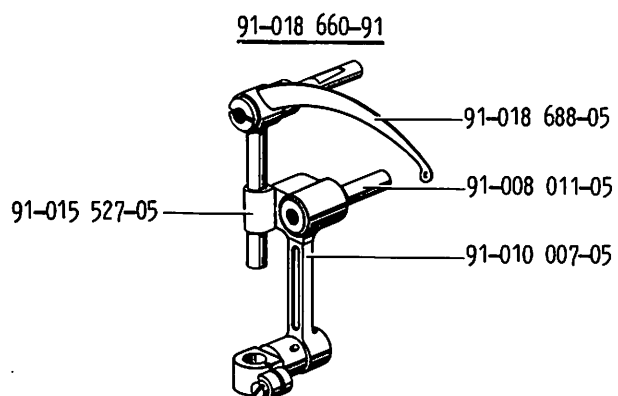
11-108 198-15	Set screw (A M 4x25 DIN 84-8G), left	91-011 893-05	Tension spring
11-108 207-15	Set screw (A M 4x35 DIN 84-8G), right	91-011 901-05	Tension barrel
12-024 151-15	Nut (M 4 DIN 934-8) for Nos.11-108 198-15; 11-108 207-15	<u>91-011 924-91</u>	Thread tension compl., (for Pfaff 343 U-12/03), consisting of Nos.91-000 388-15; 91-000 905-05; 91-001 636-35; 91-002 065-05; 91-011 891-02; 91-011 893-05; 91-011 901-05
*12-024 171-15	Nut (M 5 DIN 934-8) for No.91-014 401-15	91-011 932-05	Clutch lining, leather
13-050 247-15	Position pin (4x12 DIN 1481) for No.91-014 403-91	91-011 933-15	Retaining ring
91-000 017-15	Hinge screw for No.91-011 858-45	<u>91-011 936-91</u>	Balance wheel, w/ clutch compl., consisting of Nos.91-000 171-15; 91-000 321-15; 91-000 873-15; 91-011 864-05; 91-011 865-45; 91-011 875-05; 91-011 932-05; 91-011 933-15; 91-014 403-91
91-000 350-35	Fastening screw for No.91-014 422-90	91-014 396-05	Presser bar spring
91-000 153-15	Fastening screw for No.91-000 879-35	<u>91-014 398-91</u>	Connecting lever, compl., consisting of Nos.12-024 171-15; 91-014 399-45; 91-014 400-15; 91-014 401-15; 91-031 888-15; 91-069 730-05
91-000 171-15	Fastening screw for Nos.91-011 932-05; 91-011 933-15	*91-014 399-45	Connecting lever
91-000 321-15	Fastening screw for No.91-014 403-91	*91-014 400-15	Fulcrum stud for No.91-014 399-45
91-000 388-15	Fastening screw for No.91-000 905-05	*91-014 401-15	Spring suspension screw
91-000 871-15	Guide screw for No.91-001 847-05	<u>91-014 403-91</u>	Clutch disc, outer, w/ No.13-050 247-15 Position pin No.91-014 404-05 Clutch ring, leather
91-000 872-15	Hinge screw for No.91-011 859-05	91-014 404-05	Clutch ring, leather
91-000 873-15	Fastening screw for No.91-014 403-91	<u>91-014 422-90</u>	Clutch lever, w/ No.11-108 198-15 Set screw, left No.11-108 207-15 Set screw, right No.12-024 151-15 Nut
91-000 879-35	Hinge screw for No.91-014 399-45	<u>91-014 424-91</u>	Brake lever compl., consisting of Nos.91-000 017-15; 91-000 871-15; 91-000 872-15; 91-001 511-15; 91-001 847-05; 91-011 858-45; 91-011 859-05; 91-101 757-05
91-000 905-05	Tension stud	<u>91-014 465-91</u>	Thread tension compl., (for Pfaff 344 U-12/03) Same components as No.91-011 924-91, but incorporating tension disc No.91-009 157-05
91-001 511-15	Nut for Nos.91-000 017-15; 91-000 871-15; 91-000 872-15	91-016 137-35	Spring suspension hook
91-001 636-35	Nut for No.91-000 905-05	*91-023 065-05	Tension spring
91-001 847-05	Roller for No.91-000 871-15	91-030 240-05	Friction roller for No.91-000 153-15
91-002 065-05	Tension disc	*91-031 888-15	Ball stud for No.91-014 400-15
91-009 157-05	Tension disc	*91-069 730-05	Washer for No.91-031 888-15
91-010 940-15	Washer for No.91-000 050-35	91-101 757-05	Position pin for No.91-011 859-05
91-011 853-05	Arm shaft		
91-011 854-05	Arm shaft bushing, rear		
91-011 858-45	Brake lever		
91-011 859-05	Stop		
91-011 864-05	Clutch disc, inner		
91-011 865-45	Balance wheel		
91-011 875-05	Pressure spring for No.91-000 873-15		
<u>91-011 891-02</u>	Tension release washer, w/ stop pin No.91-011 892-05		
91-011 892-05	Stop pin for No.91-011 891-02		



- *11-314 280-15 Fastening screw (M 6x8 DIN 438-5S)
for No.91-035 558-05
- 11-470 310-15 Wood screw (5x35 DIN 97-St)
for No.91-035 562-91
- 15-750 631-11 Grease cup for No.91-035 558-05
- 91-000 889-15 Fastening screw for No.91-015 910-15
- 91-001 548-25 Nut for No.91-050 140-05
- 91-006 155-15 Spring washer for No.91-100 050-15
- 91-010 546-05 Pressure spring for No.91-050 140-05
- 91-014 361-91 Belt guard, compl.,
consisting of Nos.91-001 548-25; 91-006 155-15;
91-010 546-05; 91-014 377-41; 91-014 380-45;
91-050 140-05; 91-100 050-15
- 91-014 377-41 Belt guard
- 91-014 380-45 Belt guard bracket
- 91-015 910-15 Stud, threaded, for No.91-014 380-45
- 91-035 556-55 Bearing bracket
- 91-035 558-05 Pulley shaft
- 91-035 561-55 Pulley
- 91-035 562-91 Transmission pulley compl.,
consisting of Nos.11-314 280-15; 15-750 631-11;
91-035 556-55; 91-035 558-05; 91-035 561-55
- 91-050 140-05 Drop-in pin
- 91-100 050-15 Hinge screw for No.91-014 377-41



Parts of Previous Machines



91-000 560-15



91-000 150-15



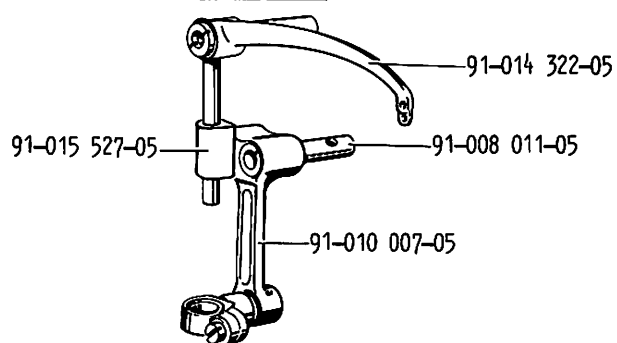
91-011 903-05



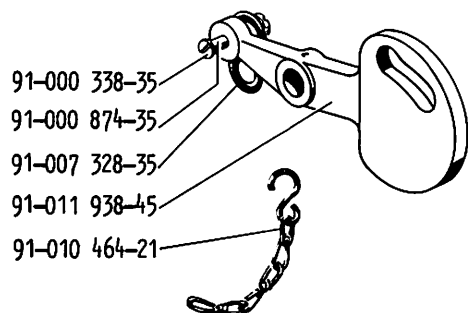
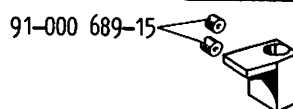
12-610 310-45



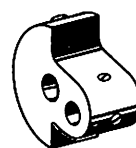
91-014 321-91



91-014 319-92

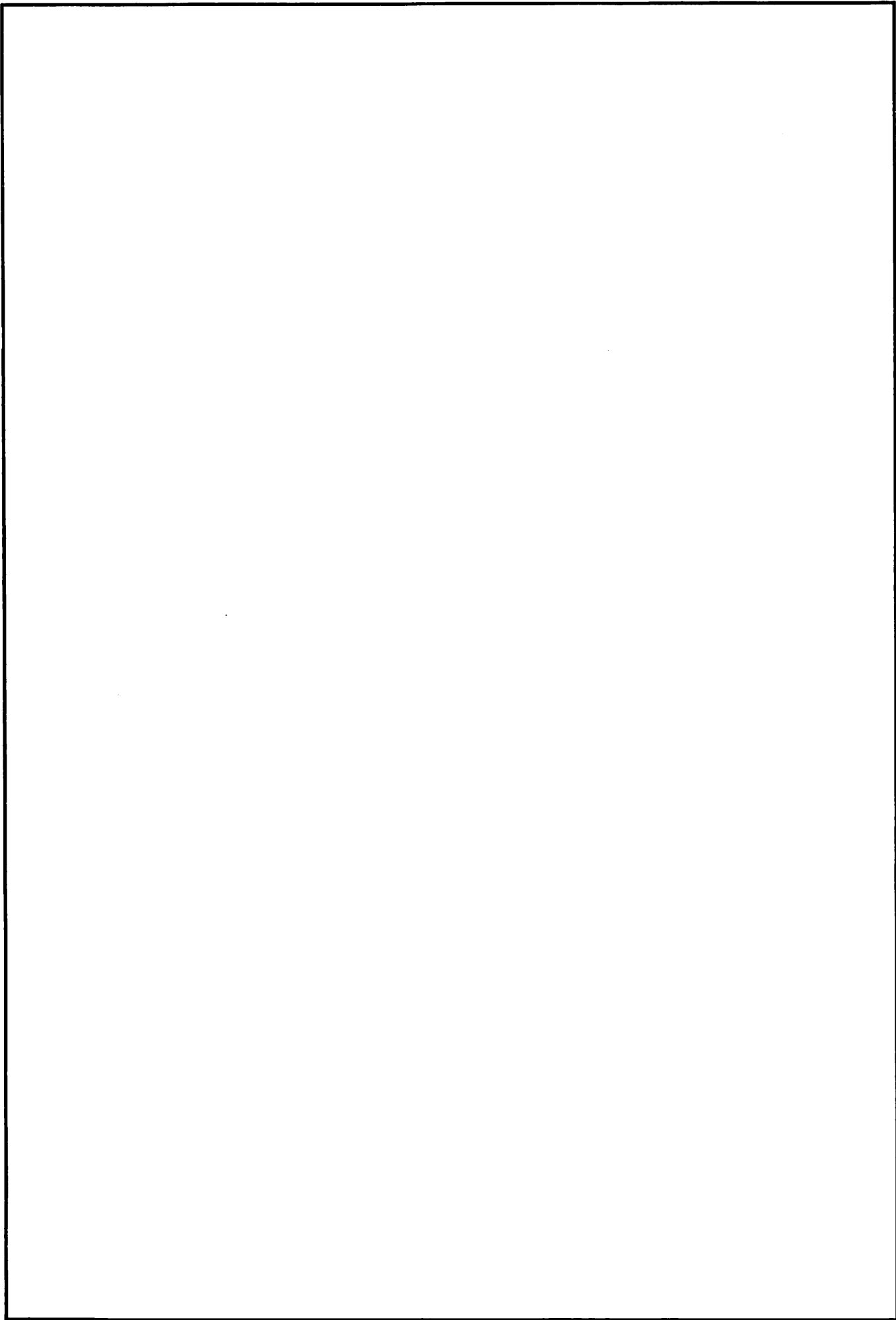


91-018 415-92



The number marked with an asterisk and put in parenthesis, e.g. (*12-611 310-45), is no additional order number, but is merely intended to facilitate looking up parts of previous machines. This number must not be listed on orders; the valid part number is the old number listed next to it.

- (*12-611 310-45) 12-610 310-45 Circlip, 1.2 mm thick, for thread unwinder
- (*11-314 280-15) 91-000 150-15 Fastening screw (15/64"x28)
for No.91-035 558-05
- 91-000 338-35 End screw for No.91-000 874-35
- (*11-108 225-15) 91-000 560-15 Binding screw (7/32"x40, overall length = 15 mm)
for Nos.91-011 729-92; 91-014 413-92
- (*91-000 803-15) 91-000 689-15 Fastening screw for No.91-014 319-92
- (*12-024 171-15) 91-000 874-35 Suspension screw for Nos.91-007 328-35;
(*91-014 400-15) 91-011 903-05
(*91-014 401-15)
(*91-031 888-15)
(*91-069 730-05)
- 91-007 328-35 Chain suspension hook for Nos.91-000 874-35;
91-010 464-21
- (*91-018 413-92) 91-008 011-05 Hinge stud for No.91-010 007-05
- (*91-011 916-05) 91-010 007-05 Needle bar connecting link
- 91-010 464-21 Chain for No.91-007 328-35
- (*91-023 065-05) 91-011 903-05 Tension spring (81.0 mm long)
- (*91-014 399-45) 91-011 938-45 Connecting lever (has tapped borehole near rear bearing lug)
- (*91-014 388-92) 91-014 319-92 Presser bar lifting bracket, w/
set screw No.91-000 689-15
- (*91-014 461-92) 91-014 321-91 Take-up lever compl.,
(for Pfaff 344 U-12)
Same components as No.91-014 461-91, but incorporating
No.91-008 011-05 Hinge stud
No.91-010 007-05 Needle bar connecting link
No.91-014 322-05 Take-up lever
No.91-015 527-05 Driving stud
- (*91-014 462-05) 91-014 322-05 Take-up lever for No.91-014 321-91
- (*91-011 913-05) 91-015 527-05 Driving stud
- (*91-018 412-92) 91-018 415-92 Needle bar crank, w/
set screw Nos.91-000 405-15;
91-000 510-15; 91-000 511-15
- (*91-011 922-91) 91-018 660-91 Take-up lever compl.,
(for Pfaff 343 U-12)
Same components as No.91-011 922-91, but incorporating
No.91-008 011-05 Hinge stud
No.91-010 007-05 Needle bar connecting link
No.91-015 527-05 Driving stud
No.91-018 688-05 Take-up lever
- (*91-011 914-05) 91-018 688-05 Take-up lever for No.91-018 660-91



Numerical Index

Nummern-Verzeichnis / Tableau des numéros / Numerical Index / Lista de números									
Nr./nº/No.	Fig.	Nr./nº/No.	Fig.	Nr./nº/No.	Fig.	Nr./nº/No.	Fig.	Nr./nº/No.	Fig.
11-108 084-15	VI/2	15-750 631-11	VII/2	91-000 173-35	VI/2	91-000 529-15	IV	91-001 511-15	VII/1
11-108 174-15	III/2	16-414 144-55	V/2	91-000 195-15	I	+ 91-000 560-15	VIII	91-001 522-35	II
11-108 198-15	VI/2	91-000 017-15	VII/1	91-000 237-25	V/2	91-000 568-15	IV	91-001 529-15	V/2
11-108 198-15	VII/1	91-000 050-15	III/2	91-000 243-15	I	91-000 568-15	VI/2	91-001 533-25	V/2
11-108 207-15	VII/1	91-000 050-35	VII/1	91-000 243-15	II	91-000 570-15	VI/2	91-001 548-25	VII/2
11-108 225-15	III/1	91-000 058-15	I	91-000 243-15	VI/1	91-000 570-15	IV	91-001 636-35	VII/1
11-108 246-15	V/1	91-000 062-25	V/2	91-000 254-15	III/2	91-000 571-15	IV	91-001 660-15	III/2
11-130 452-15	IV	91-000 064-15	IV	91-000 256-15	VI/1	91-000 624-15	IV	91-001 847-05	VII/1
11-173 174-15	I	91-000 070-15	III/1	91-000 278-15	I	91-000 636-15	I	91-002 025-92	I
11-173 174-35	II	91-000 072-15	III/2	91-000 317-15	IV	91-000 680-15	III/1	91-002 065-05	VII/1
11-174 086-15	VI/1	91-000 073-15	I	91-000 321-15	VII/1	91-000 680-15	IV	91-002 536-15	V/2
11-174 290-15	III/2	91-000 074-15	III/2	91-000 323-15	III/1	91-000 687-15	IV	91-004 006-05	II
11-314 280-15	III/2	91-000 074-15	VI/1	+ 91-000 338-35	VIII	91-000 687-15	VI/2	91-004 531-25	I
11-314 280-15	VII/2	91-000 082-15	I	91-000 359-15	V/2	91-000 689-15	III/1	91-005 005-05	V/2
11-317 278-15	III/2	91-000 082-25	V/2	91-000 363-15	III/1	91-000 689-15	IV	91-005 051-15	III/2
11-317 909-15	VI/2	91-000 082-35	II	91-000 363-25	V/2	+ 91-000 689-15	VIII	91-005 125-05	V/2
11-320 285-15	III/2	91-000 083-15	III/1	91-000 364-25	V/2	91-000 697-05	III/1	91-005 564-45	V/2
11-460 109-25	III/2	91-000 089-15	VI/2	91-000 366-25	V/2	91-000 737-05	V/2	91-005 567-25	V/2
11-460 247-25	V/2	91-000 089-15	IV	91-000 388-15	VII/1	91-000 803-15	I	91-005 568-25	V/2
11-470 310-15	VII/2	91-000 150-15	III/1	91-000 390-15	IV	91-000 871-15	VII/1	91-005 569-25	V/2
11-470 768-15	V/1	91-000 150-15	III/2	91-000 405-15	III/1	91-000 872-15	VII/1	91-005 604-05	III/1
12-024 151-15	VII/1	91-000 150-15	IV	91-000 407-25	IV	91-000 873-15	VII/1	91-006 155-15	VII/2
12-024 151-35	II	91-000 150-15	I	91-000 410-15	IV	+ 91-000 874-35	VIII	91-006 783-05	I
12-024 171-15	VII/1	+ 91-000 150-15	VIII	91-000 431-15	V/2	91-000 879-35	VII/1	91-007 328-35	III/2
12-024 171-15	V/1	91-000 152-15	III/1	91-000 456-15	III/1	91-000 885-15	III/1	+ 91-007 328-35	VIII
12-305 224-15	V/2	91-000 152-15	I	91-000 486-25	I	91-000 889-15	VII/2	91-007 853-15	III/2
12-305 414-15	V/1	91-000 153-15	VII/1	91-000 508-15	VI/2	91-000 905-05	VII/1	91-008 003-05	III/1
+ 12-610 310-45	VIII	91-000 171-15	VII/1	91-000 510-15	III/1	91-000 915-15	III/2	91-008 004-05	III/1
12-611 310-45	V/1	91-000 172-35	II	91-000 510-15	I	91-000 928-15	IV	91-008 005-05	III/1
12-640 210-55	III/2	91-000 173-15	IV	91-000 511-15	III/1	91-000 929-15	III/2	91-008 008-05	I
13-050 247-15	VII/1	91-000 173-15	VI/2	91-000 511-15	III/2	91-001 051-35	III/2	+ 91-008 011-05	VIII
13-060 400-05	IV	91-000 173-35	IV	91-000 524-15	II	91-001 511-15	III/1	91-008 020-05	I

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91-009 009-05	I	91-010 360-05	III/1	91-011 922-91	I	91-014 025-05	IV	91-014 361-91	VII/2
91-009 148-05	III/1	+ 91-010 464-21	VIII	91-011 924-91	VII/1	91-014 028-90	IV	91-014 362-91	III/2
91-009 148-05	IV	91-010 546-05	VII/2	91-011 929-15	I	91-014 030-90	VI/2	91-014 363-41	III/2
91-009 148-05	I	91-010 703-92	VI/1	91-011 932-05	VII/1	91-014 030-90	IV	91-014 366-45	III/2
91-009 157-05	VII/1	91-010 823-45	I	91-011 933-15	VII/1	91-014 150-91	VI/2	91-014 367-05	III/2
91-009 333-15	III/1	91-010 930-05	I	91-011 936-91	VII/1	91-014 165-91	IV	91-014 368-45	III/2
91-009 390-35	I	91-010 940-15	VII/1	+ 91-011 938-45	VIII	91-014 177-05	VI/2	91-014 377-41	VII/2
91-009 527-05	VI/1	91-010 940-15	II	91-013 503-05	IV	91-014 178-05	VI/2	91-014 380-45	VII/2
91-009 621-92	III/1	91-011 729-92	III/1	91-013 504-05	IV	91-014 200-45	IV	91-014 385-41	III/2
91-010 002-05	III/1	91-011 744-92	I	91-013 723-05	IV	91-014 318-05	III/1	91-014 388-12	I
+ 91-010 007-05	VIII	91-011 778-15	III/1	91-013 726-05	III/1	+ 91-014 319-92	VIII	91-014 396-05	VII/1
91-010 017-05	III/1	91-011 853-05	VII/1	91-013 741-05	VI/2	91-014 320-92	I	91-014 397-15	I
91-010 022-05	IV	91-011 854-05	VII/1	91-013 766-05	IV	+ 91-014 321-91	VIII	91-014 398-91	VII/1
91-010 023-05	II	91-011 858-45	VII/1	91-013 769-34	VI/2	+ 91-014 322-05	VIII	91-014 399-45	VII/1
91-010 026-31	VI/1	91-011 859-05	VII/1	91-013 770-34	VI/2	91-014 324-35	II	91-014 400-15	VII/1
91-010 026-31	II	91-011 864-05	VII/1	91-013 770-34	IV	91-014 326-45	III/2	91-014 401-15	VII/1
91-010 027-35	II	91-011 865-45	VII/1	91-013 771-05	VI/2	91-014 327-92	III/2	91-014 403-91	VII/1
91-010 028-35	II	91-011 870-05	I	91-013 771-05	IV	91-014 341-91	II	91-014 404-05	VII/1
91-010 044-05	III/1	91-011 875-05	VII/1	91-013 776-01	VI/2	91-014 342-05	II	91-014 413-92	III/1
91-010 056-05	VI/2	91-011 887-91	III/1	91-013 776-01	IV	91-014 345-45	II	91-014 414-15	III/1
91-010 056-05	IV	91-011 889-05	III/1	91-013 782-05	VI/2	91-014 346-05	II	91-014 415-91	VI/2
91-010 079-05	IV	91-011 891-02	VII/1	91-013 790-01	IV	91-014 347-91	VI/1	91-014 415-91	IV
91-010 107-05	V/2	91-011 892-05	VII/1	91-013 795-45	IV	91-014 348-05	VI/1	91-014 416-05	IV
91-010 127-91	III/1	91-011 893-05	VII/1	91-013 819-34	VI/2	91-014 351-91	III/2	91-014 417-05	IV
91-010 157-01	IV	91-011 894-05	II	91-013 827-05	VI/2	91-014 352-45	II	91-014 422-90	VII/1
91-010 158-05	IV	91-011 901-05	VII/1	91-013 830-91	VI/2	91-014 353-05	VI/1	91-014 423-05	III/2
91-010 159-91	IV	91-011 902-92	III/1	91-013 831-91	IV	91-014 354-91	VI/1	91-014 424-91	VII/1
91-010 166-05	IV	+ 91-011 903-05	VIII	91-014 001-01	IV	91-014 355-01	I	91-014 425-91	IV
91-010 167-05	IV	91-011 913-05	I	91-014 003-05	IV	91-014 357-92	III/1	91-014 428-45	III/2
91-010 179-05	VI/1	91-011 914-05	I	91-014 024-05	VI/2	91-014 358-45	III/1	91-014 461-91	VI/1
91-010 196-05	III/1	91-011 916-05	I	91-014 024-05	IV	91-014 359-91	II	91-014 462-05	VI/1

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91-014 467-05	VI/1	91-028 612-45	III/2	91-054 679-04	I	91-169 029-05	II		
91-014 473-45	VI/2	91-029 007-91	V/2	91-054 680-04	VI/1	91-700 094-25	IV		
91-014 713-01	VI/2	91-029 394-01	V/2	91-058 015-04	VI/2	91-700 388-15	I		
91-014 714-01	IV	91-029 480-91	V/2	91-058 018-93	VI/2	91-700 785-15	I		
91-015 005-92	III/2	91-029 535-15	III/1	91-061 005-05	I	91-700 868-15	III/2		
91-015 009-91	III/2	91-029 601-25	V/2	91-067 020-05	III/1	91-701 636-35	II		
91-015 011-45	III/2	91-029 615-91	V/2	91-069 470-35	II	91-714 459-93	VI/1		
91-015 022-33	VI/2	91-029 835-05	V/2	91-069 471-35	II	93-102 335-41	V/2		
91-015 022-33	IV	91-029 946-91	V/2	91-069 730-05	VII/1	99-096 310-91	III/2		
91-015 041-34	IV	91-030 240-05	VII/1	91-069 992-35	II	99-097 779-45	III/2		
91-015 042-34	IV	91-031 888-15	VII/1	91-099 333-91	III/2	99-080 150-91	V/1		
91-015 044-01	IV	91-035 556-55	VII/2	91-100 050-15	VII/2	99-115 034-15	V/1		
91-015 044-01	VI/2	91-035 558-05	VII/2	91-101 757-05	VII/1	99-115 036-45	V/1		
91-015 048-45	IV	91-035 561-55	VII/2	91-101 907-01	III/1	99-115 037-45	V/1		
+ 91-015 527-05	VIII	91-035 562-91	VII/2	91-102 005-05	II	99-115 254-91	III/2		
91-015 910-15	VII/2	91-040 618-45	V/2	91-105 420-15	II	99-129 586-93	V/2		
91-016 137-35	VII/1	91-040 621-91	V/2	91-105 447-15	II				
91-018 330-45	III/1	91-040 623-25	V/2	91-113 030-35	II				
91-018 358-45	III/1	91-041 063-05	V/2	91-118 557-35	II				
91-018 359-45	III/1	91-041 076-91	V/2	91-119 025-35	II				
91-018 412-92	III/1	91-041 085-91	V/2	91-129 630-90	V/2				
91-018 413-92	I	91-044 476-05	IV	91-129 631-90	VI/2				
+ 91-018 415-92	VIII	91-045 041-04	IV	91-129 637-45	V/1				
91-018 460-90	III/1	91-045 279-92	III/2	91-129 640-90	V/1				
91-018 653-45	III/1	91-045 754-93	IV	91-129 641-91	V/1				
+ 91-018 660-91	VIII	91-046 097-25	V/2	91-129 644-05	V/1				
+ 91-018 688-05	VIII	91-048 363-04	VI/2	91-129 645-45	V/1				
91-019 676-05	I	91-049 048-93	VI/1	91-129 646-92	V/1				
91-019 853-12	IV	91-050 140-05	VII/2	91-129 647-45	V/1				
91-019 891-05	IV	91-050 855-45	V/2	91-129 649-45	V/1				
91-023 065-05	VII/1	91-053 332-41	V/2	91-129 650-90	V/1				

