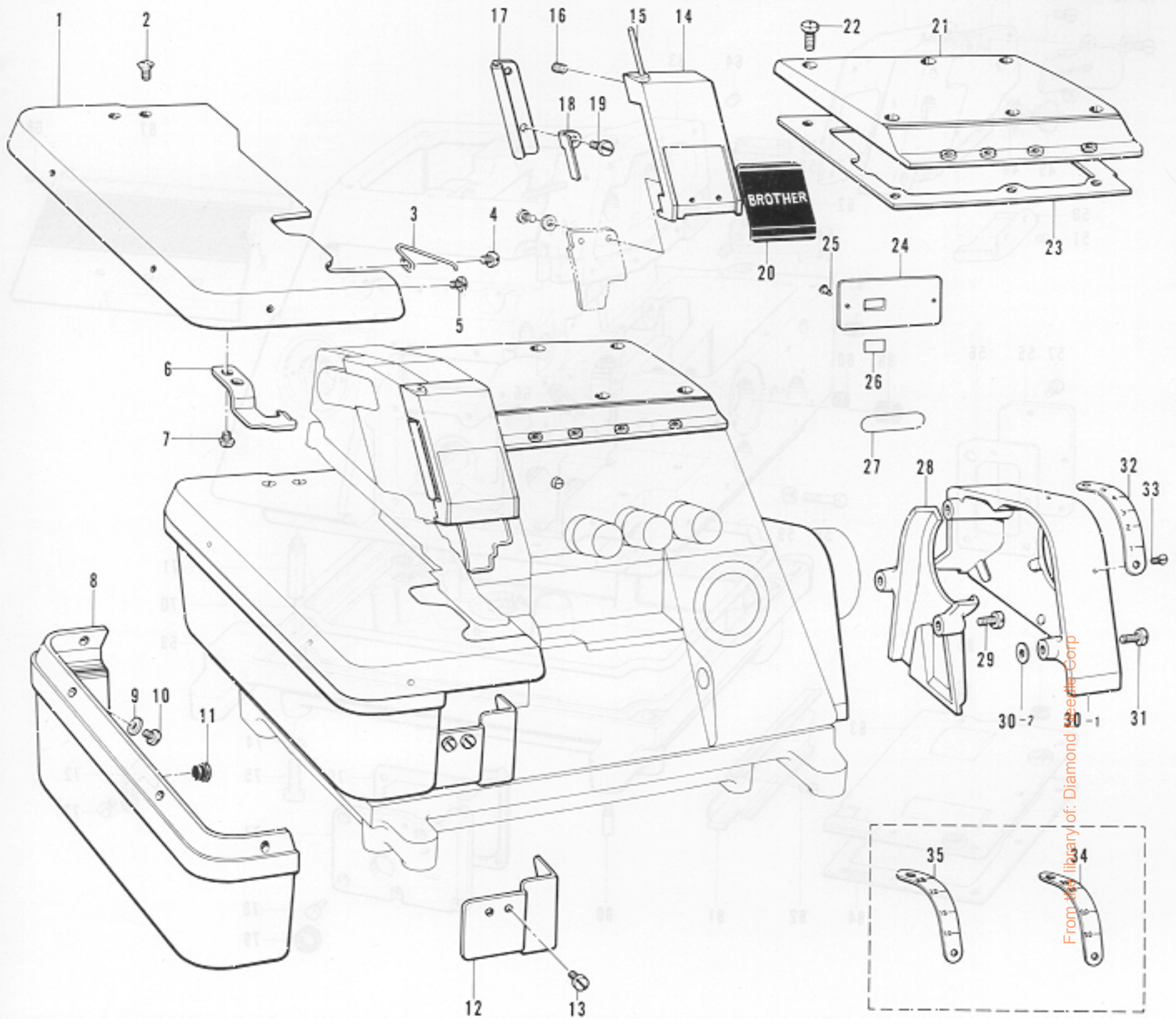
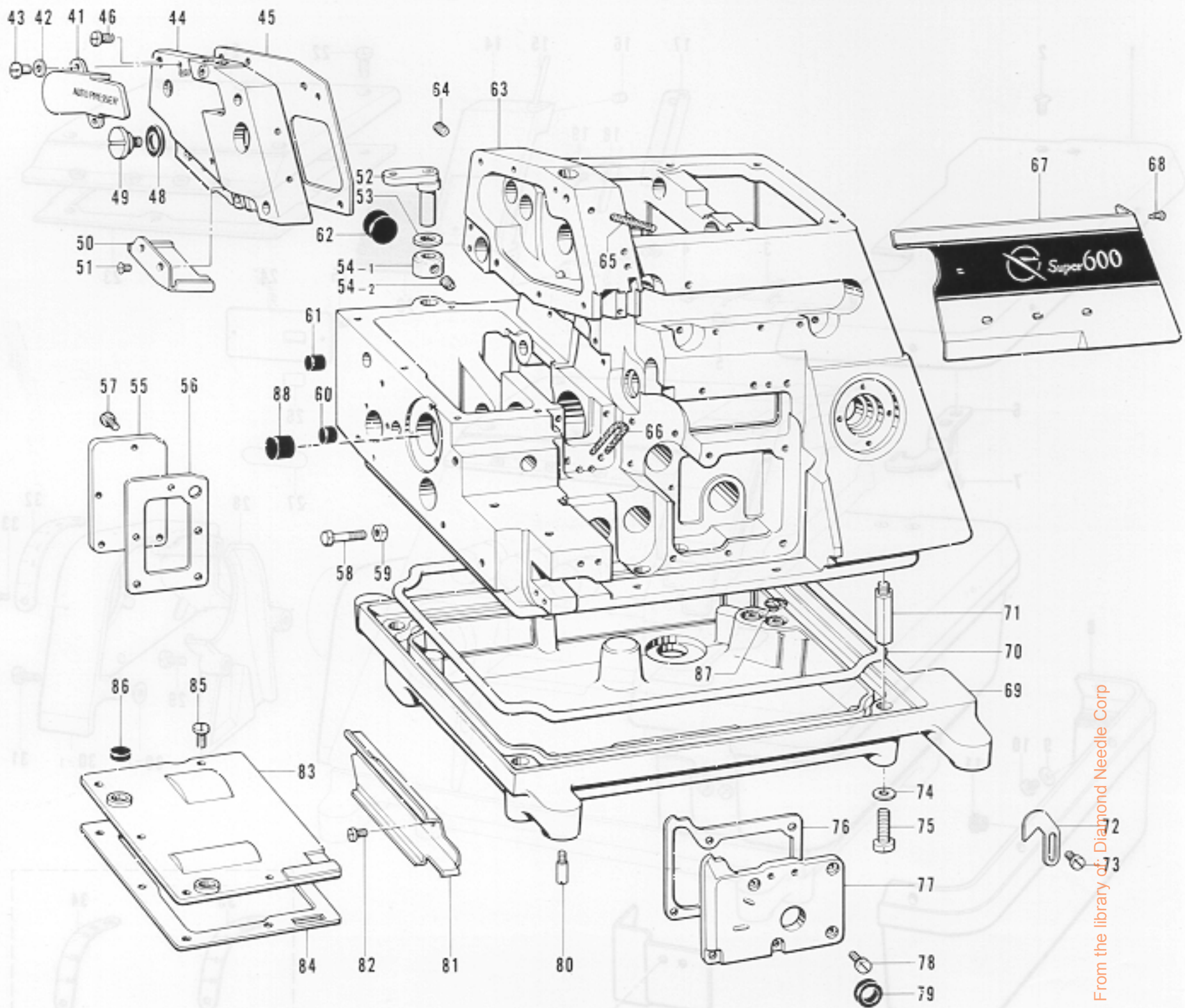


A. Machine Body (1)



| Ref. No. | Name of Parts | Q'ty | Parts No. | Assembly No. | Ref. No. | Name of Parts | Q'ty | Parts No. | Assembly No. |
|----------|-------------------------|------|-------------|--------------|----------|-----------------------------|------|-------------|---|
| A-1 | Cloth Plate | 1 | 154830-0-01 | | A-20 | Name Plate | 1 | 154815-0-01 | |
| A-2 | Screw 4.37 | 2 | 100032-0-03 | | A-21 | Top Cover | 1 | 154798-0-01 | |
| A-3 | Spring | 1 | 146450-0-01 | | A-22 | Screw 4.37 x 12 | 6 | 009681-2-12 | |
| A-4 | Screw 3.57 x 5 | 1 | 001670-5-12 | | A-23 | Packing | 1 | 154800-0-00 | |
| A-5 | Screw 3.57 x 5 | 1 | 007670-5-13 | | A-24 | Model Plate 611 | 1 | | |
| A-6 | Stopper for Cloth Plate | 1 | 154832-0-01 | | A-25 | Pin | 2 | | |
| A-7 | Screw 3.57 x 5 | 2 | 001670-5-12 | | A-26 | Label | 1 | | |
| A-8 | Cloth Plate Lower | 1 | 154834-0-01 | | A-27 | Parts Book Number Plate | 1 | | |
| A-9 | Washer | 4 | 025350-3-32 | | A-28 | Fan Case | 1 | 154806-0-00 | |
| A-10 | Screw 3.57 x 6 | 4 | 001670-6-12 | | A-29 | Screw 4.37 x 10 | 2 | 009681-0-12 | |
| A-11 | Oil Cap | 2 | 104450-0-01 | | A-30-1 | Belt Cover | 1 | | A-30 Belt Cover Assembly 155519-0-01 |
| A-12 | Front Cover Guide | 1 | 154821-0-01 | | A-30-2 | Washer | 2 | 155520-0-01 | |
| A-13 | Screw 3.57 x 6 | 2 | 009670-6-12 | | A-31 | Screw 4.37 x 10 | 2 | 009681-0-12 | |
| A-14 | Face Plate Cover | 1 | 154811-0-01 | | A-32 | Stitch Length Control Plate | 1 | 154808-0-01 | |
| A-15 | Pin for Face Plate | 1 | 154813-0-00 | | A-33 | Screw 2.38 | 2 | 105288-0-01 | |
| A-16 | Screw 3.18 | 1 | 146427-0-01 | | A-34 | Stitch Length Control Plate | 1 | 154810-0-01 | |
| A-17 | Face Plate Cover Hinge | 1 | 154812-0-01 | | A-35 | Stitch Length Control Plate | 1 | 154809-0-01 | |
| A-18 | Spring | 1 | 154814-0-01 | | | | | | |
| A-19 | Screw 3.57 x 7 | 2 | 009670-7-12 | | | | | | |

A. Machine Body (2)

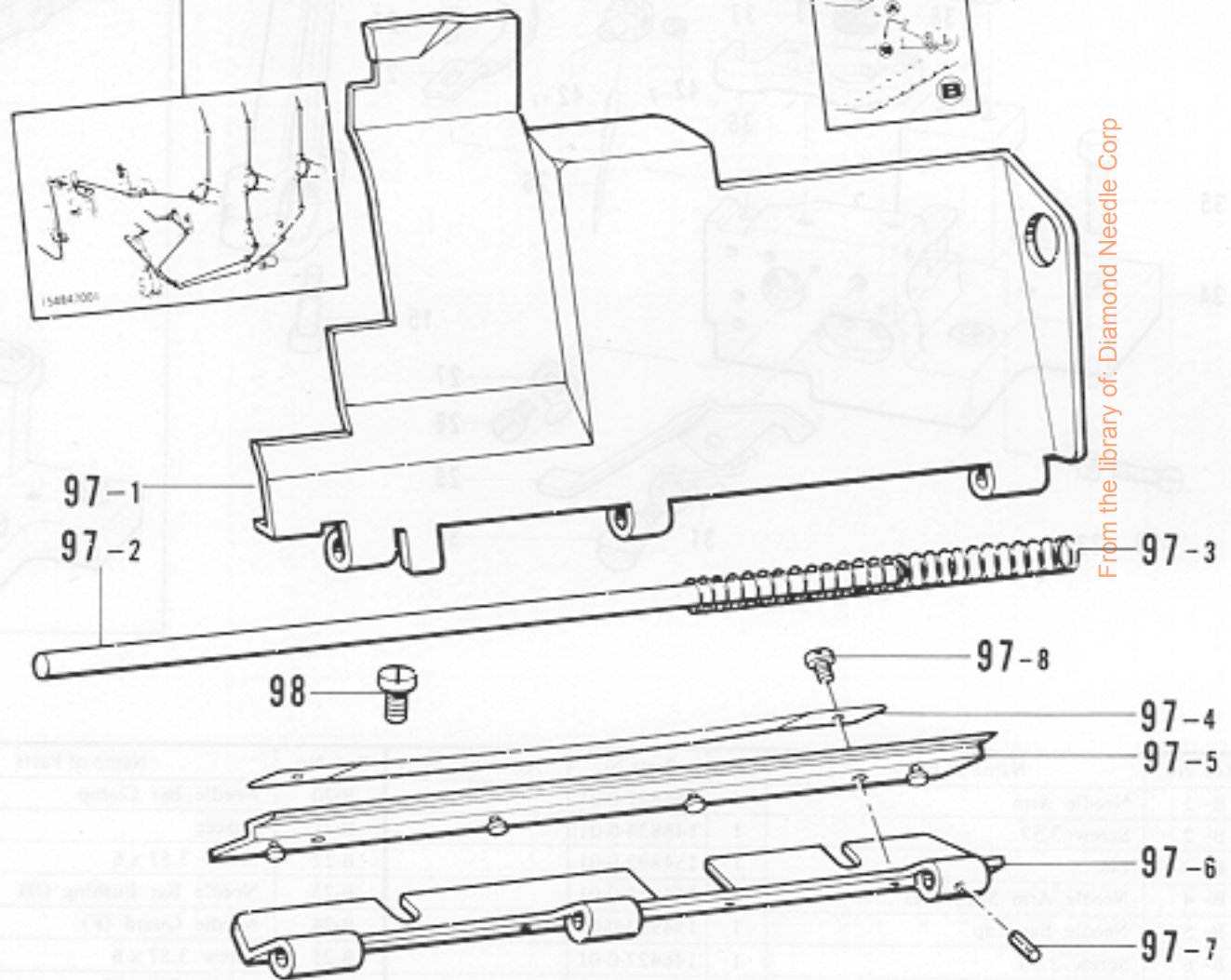
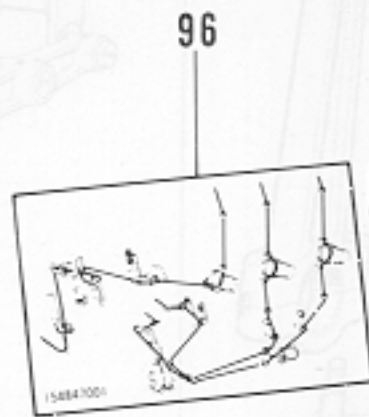
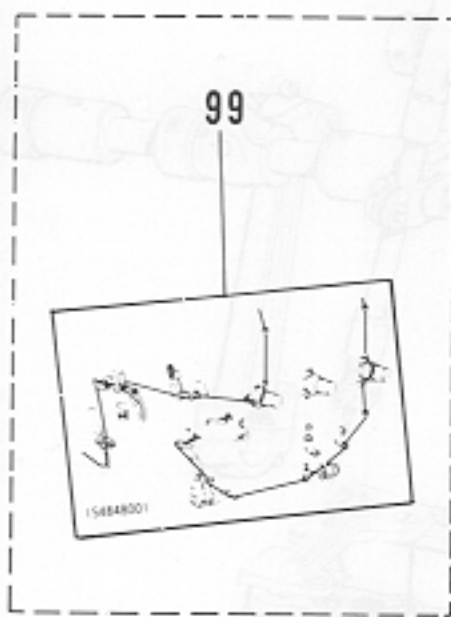
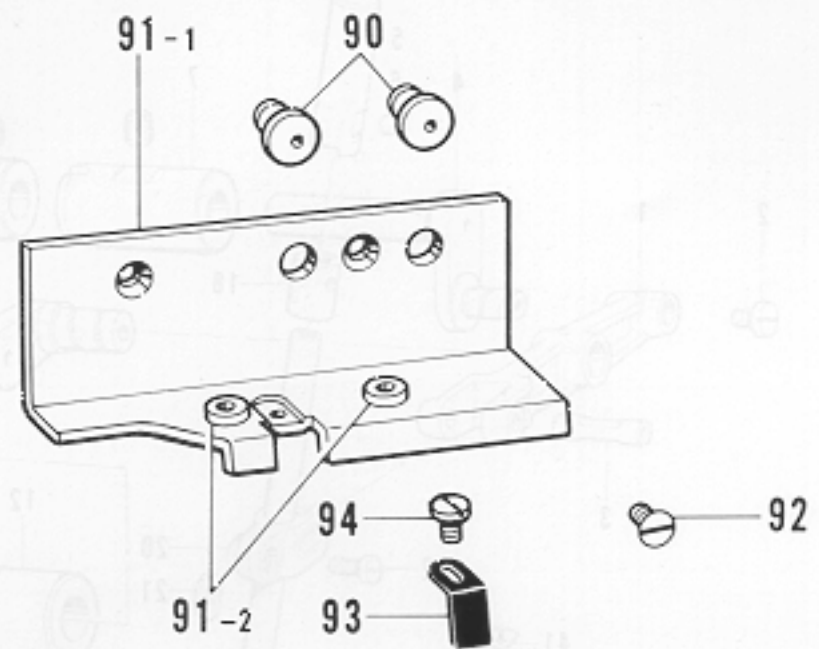


From the library of Diamond Needle Corp

| Ref. No. | Name of Parts | Q'ty | Parts No. | Assembly No. | Ref. No. | Name of Parts | Q'ty | Parts No. | Assembly No. |
|----------|------------------------------------|------|-------------|----------------------------------|----------|--------------------------|------|-------------|--------------|
| A-41 | Auto Presser Arm Cover | 1 | 154803-0-01 | | A-65 | Wick 6 x 6 (15) | 1 | 155555-0-00 | |
| A-42 | Washer | 2 | 110735-0-02 | | A-66 | Wick 4 x 4 (110) | 1 | 112750-0-00 | |
| A-43 | Screw 4.37 x 7 | 2 | 009680-7-12 | | A-67 | Emblem Plate | 1 | 154836-0-01 | |
| A-44 | Cover for Needle Driving Mechanism | 1 | 154801-0-01 | | A-68 | Pin | 2 | 124918-0-01 | |
| A-45 | Packing | 1 | 154802-0-00 | | A-69 | Oil Reservoir | 1 | 154842-0-01 | |
| A-46 | Screw 4.37 x 7 | 6 | 009680-7-12 | | A-70 | Packing | 1 | 154843-0-00 | |
| A-48 | "O" Ring | 1 | 109203-0-01 | | A-71 | Machine Body Leg | 4 | 148085-0-01 | |
| A-49 | Screw 9.52 | 1 | 110641-0-02 | | A-72 | Adjusting Plate | 1 | 155552-0-01 | |
| A-50 | Cloth Guide (S) | 1 | 154838-0-01 | | A-73 | Screw 3.57 x 6 | 2 | 009670-6-12 | |
| A-51 | Screw 3.57 | 2 | 108960-0-02 | | A-74 | Washer | 4 | 118735-0-02 | |
| A-52 | Cloth Plate Supporter | 1 | 154831-0-01 | | A-75 | Bolt 6.35 x 16 | 4 | 017771-6-12 | |
| A-53 | Washer | 1 | 141183-0-00 | | A-76 | Packing | 1 | 154820-0-00 | |
| A-54-1 | Set Collar | 1 | | A-54 Collar Assembly 181969-0-03 | A-77 | Inside Cover | 1 | 154819-0-00 | |
| A-54-2 | Screw 6.35 | 2 | 101706-0-01 | | A-78 | Screw 3.57 x 8 | 5 | 009670-8-12 | |
| A-55 | Cover for Feed Mechanism | 1 | 154804-0-01 | | A-79 | Seal | 1 | 155247-0-00 | |
| A-56 | Packing | 1 | 154805-0-00 | | A-80 | Set Pin Cushion | 4 | 140077-0-01 | |
| A-57 | Screw 4.37 | 5 | 107407-0-03 | | A-81 | Cloth Guide (L) | 1 | 154837-0-01 | |
| A-58 | Bolt 4.37 | 2 | 154835-0-01 | | A-82 | Screw 3.57 x 6 | 2 | 009670-6-12 | |
| A-59 | Nut | 2 | 105234-0-03 | | A-83 | Cover for Feed Mechanism | 1 | 154817-0-01 | |
| A-60 | Oil Cap | 1 | 146315-0-00 | | A-84 | Packing | 1 | 154818-0-00 | |
| A-61 | Oil Cap | 1 | 146315-0-00 | | A-85 | Screw 4.37 x 7 | 5 | 009680-7-12 | |
| A-62 | Oil Cap | 1 | 140066-0-01 | | A-86 | Oil Cap | 2 | 143766-0-01 | |
| A-63 | Machine Body | 1 | | | A-87 | "O" Ring | 2 | 081011-0-70 | |
| A-64 | Screw 5.95 | 2 | 013760-6-12 | | A-88 | Oil Cap | i | 154841-0-01 | |

A. Machine Body (3)

B. Needle Bar Mechanism (1)

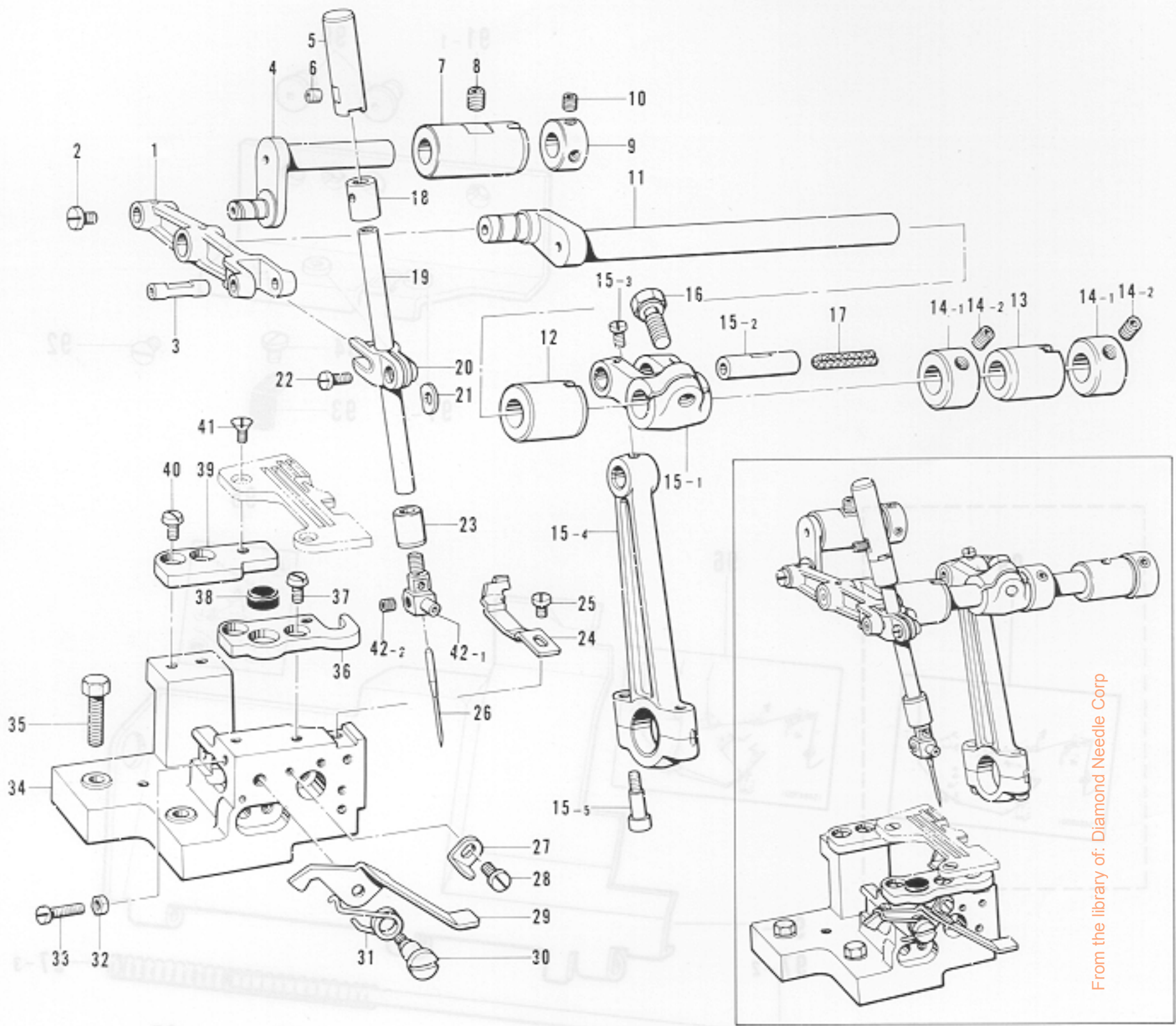


From the library of: Diamond Needle Corp

| Ref. No. | Name of Parts | Q'ty | Parts No. | Assembly No. | Ref. No. | Name of Parts | Q'ty | Parts No. | Assembly No. |
|----------|--------------------------------|------|-------------|---|---------------------------|-----------------------|-------------|-------------|--|
| A-90 | Oil Cap | 2 | 143196-0-01 | | A-97-1 | Front Cover | 1 | | |
| A-91-1 | Supporter for Front Cover | 1 | | A-91 Supporter for Front Cover Assembly 154823-0-01 | A-97-2 | Front Cover Hinge Pin | 1 | 154855-0-00 | A-97 Front Cover Assembly 154852-0-01 |
| A-91-2 | Thread Bushing | 2 | 146924-0-00 | | A-97-3 | Spring | 1 | 146442-0-01 | |
| A-92 | Screw 4.37 | 2 | 117160-0-01 | A-97-4 | Hinge Cover Presser Plate | 1 | 152194-0-01 | | |
| A-93 | Stopper Spring for Front Cover | 1 | 154829-0-01 | A-97-5 | Hinge Cover | 1 | 154856-0-00 | | |
| A-94 | Screw 3.57 x 4.5 | 1 | 123185-0-01 | A-97-6 | Front Cover Hinge | 1 | 154854-0-01 | | |
| A-95 | Looper Threading Label | 1 | 155340-0-01 | A-97-7 | Spring Pin | 1 | 047140-8-42 | | |
| A-96 | Threading Diagram | 1 | 154847-0-01 | A-97-8 | Screw 3.57 x 4 | 2 | 009670-4-12 | | |
| | | | | A-98 | Screw 4.37 x 6 | 2 | 009680-6-12 | | |
| | | | | A-99 | Threading Diagram | 1 | 154848-0-01 | | |

B. Needle Bar Mechanism (1)

A. Machine Body (3)

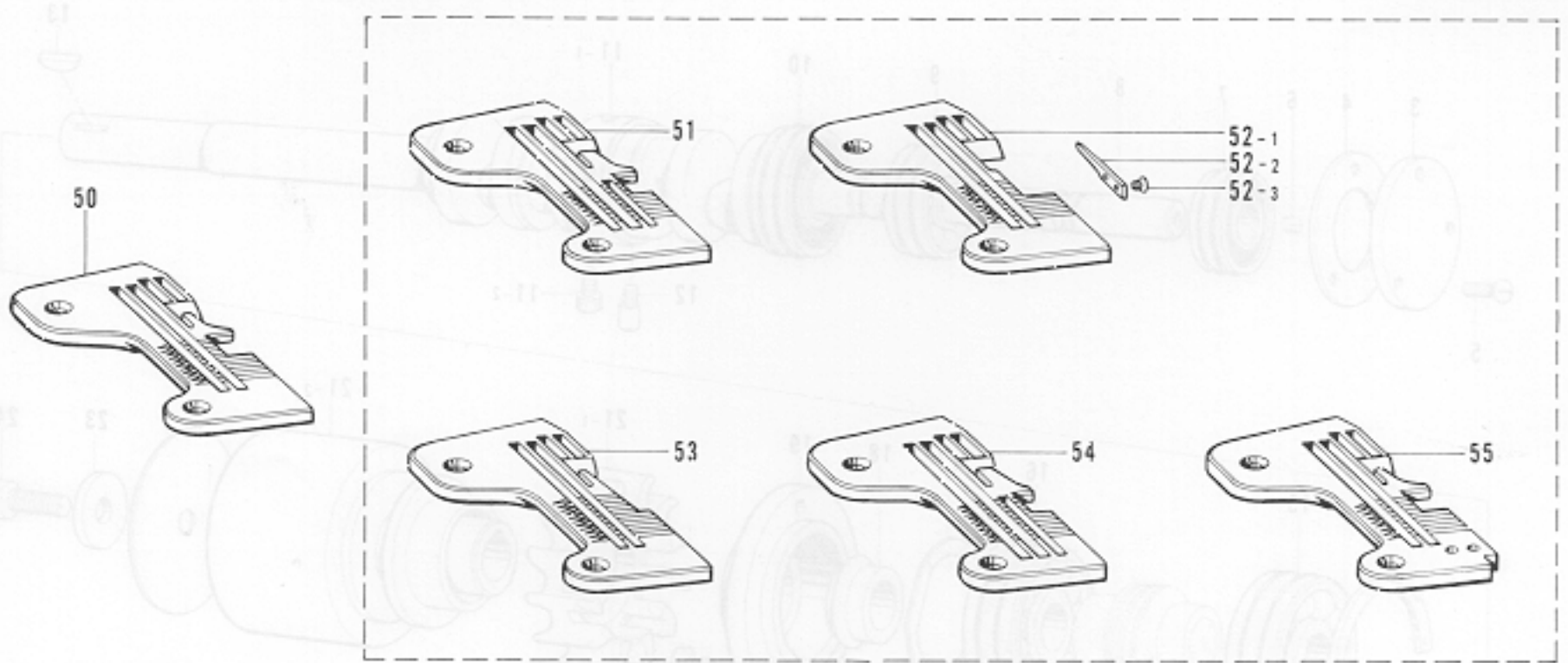


From the library of: Diamond Needle Corp

| Ref. No. | Name of Parts | Q'ty | Parts No. | Assembly No. | Ref. No. | Name of Parts | Q'ty | Parts No. | Assembly No. |
|----------|------------------------------|------|-------------|---|----------|------------------------------|------|-------------|--|
| B-1 | Needle Arm | 1 | 154897-0-01 | | B-20 | Needle Bar Clamp | 1 | 154900-0-01 | |
| B-2 | Screw 3.57 | 1 | 148834-0-01 | | B-21 | Spacer | 1 | 154901-0-01 | |
| B-3 | Pin | 1 | 154899-0-01 | | B-22 | Screw 3.57 x 6 | 1 | 009670-6-12 | |
| B-4 | Needle Arm Supporter | 1 | 154895-0-01 | | B-23 | Needle Bar Bushing (D) | 1 | 154905-0-00 | |
| B-5 | Needle Bar Cap | 1 | 154903-0-01 | | B-24 | Needle Guard (F) | 1 | 146726-0-01 | |
| B-6 | Screw 3.18 | 1 | 146427-0-01 | | B-25 | Screw 3.57 x 6 | 1 | 009670-6-12 | |
| B-7 | Needle Arm Bushing | 1 | 154896-0-00 | | B-26 | Needle DC x 27 | 1 | 151474-0- | |
| B-8 | Screw 6.35 | 1 | 014780-6-22 | | B-27 | Cloth Plate Lever Stopper | 1 | 146454-0-01 | |
| B-9 | Collar | 1 | 110197-0-01 | | B-28 | Screw 3.57 x 6 | 1 | 009670-6-12 | |
| B-10 | Screw 4.37 | 2 | 014680-4-22 | | B-29 | Cloth Plate Lever | 1 | 154833-0-01 | |
| B-11 | Needle Bar Crank Shaft | 1 | 154891-0-01 | | B-30 | Stud Screw 3.57 | 1 | 146453-0-01 | |
| B-12 | Needle Bar Bushing (Left) | 1 | 154894-0-00 | | B-31 | Spring | 1 | 146452-0-01 | |
| B-13 | Needle Bar Bushing (Right) | 1 | 154892-0-00 | | B-32 | Nut | 1 | 021670-2-02 | |
| B-14-1 | Set Collar | 2 | | B-14 Collar Assembly 155863-0-01 | B-33 | Screw 3.57 x 14 | 1 | 009671-4-12 | |
| B-14-2 | Screw 5.95 | 4 | 152718-0-01 | | B-34 | Needle Plate Support Bracket | 1 | 154922-0-01 | |
| B-15-1 | Needle Bar Crank Shaft Arm | 1 | | *B-15 Needle Arm Driving Crank Rod Assembly 154888-0-01 | B-35 | Bolt 6.35 x 20 | 2 | 017782-0-12 | |
| B-15-2 | Pin | 1 | | | B-36 | Needle Plate Supporter (F) | 1 | 146494-0-01 | |
| B-15-3 | Screw 4.37 | 1 | 100366-0-01 | | B-37 | Screw 4.37 x 5 | 2 | 001680-5-12 | |
| B-15-4 | Needle Arm Driving Crank Rod | 1 | | | B-38 | Cloth Plate Cushion (B) | 1 | 111486-0-01 | |
| B-15-5 | Screw 4.37 x 14 | 2 | 148425-0-01 | | B-39 | Needle Plate Supporter (B) | 1 | 146495-0-01 | |
| B-16 | Bolt 6.35 x 16 | 1 | 149170-0-01 | | B-40 | Screw 4.37 x 5 | 2 | 001680-5-12 | |
| B-17 | Wick 8 x 8 (52) | 1 | 140320-0-00 | | B-41 | Screw 4.37 | 2 | 100032-0-03 | |
| B-18 | Needle Bar Bushing (U) | 1 | 154904-0-00 | | B-42-1 | Needle Clamp | 1 | | B-42 Needle Clamp Assembly 154906-0-01 |
| B-19 | Needle Bar | 1 | 154902-0-01 | | B-42-2 | Screw 3.18 | 1 | 146427-0-01 | |

B. Needle Bar Mechanism (2)

C. Crank Shaft Mechanism



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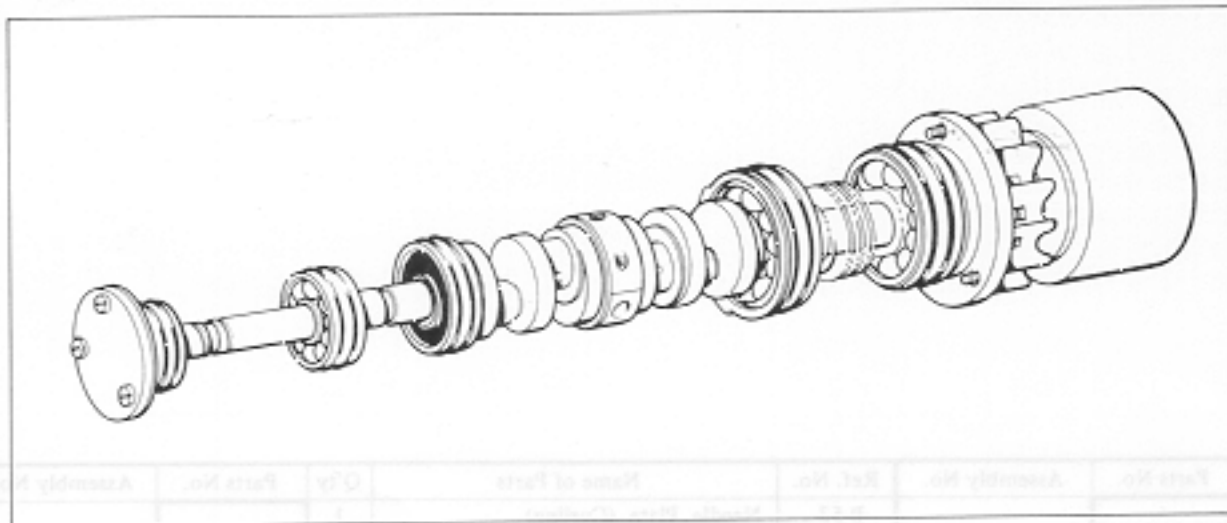
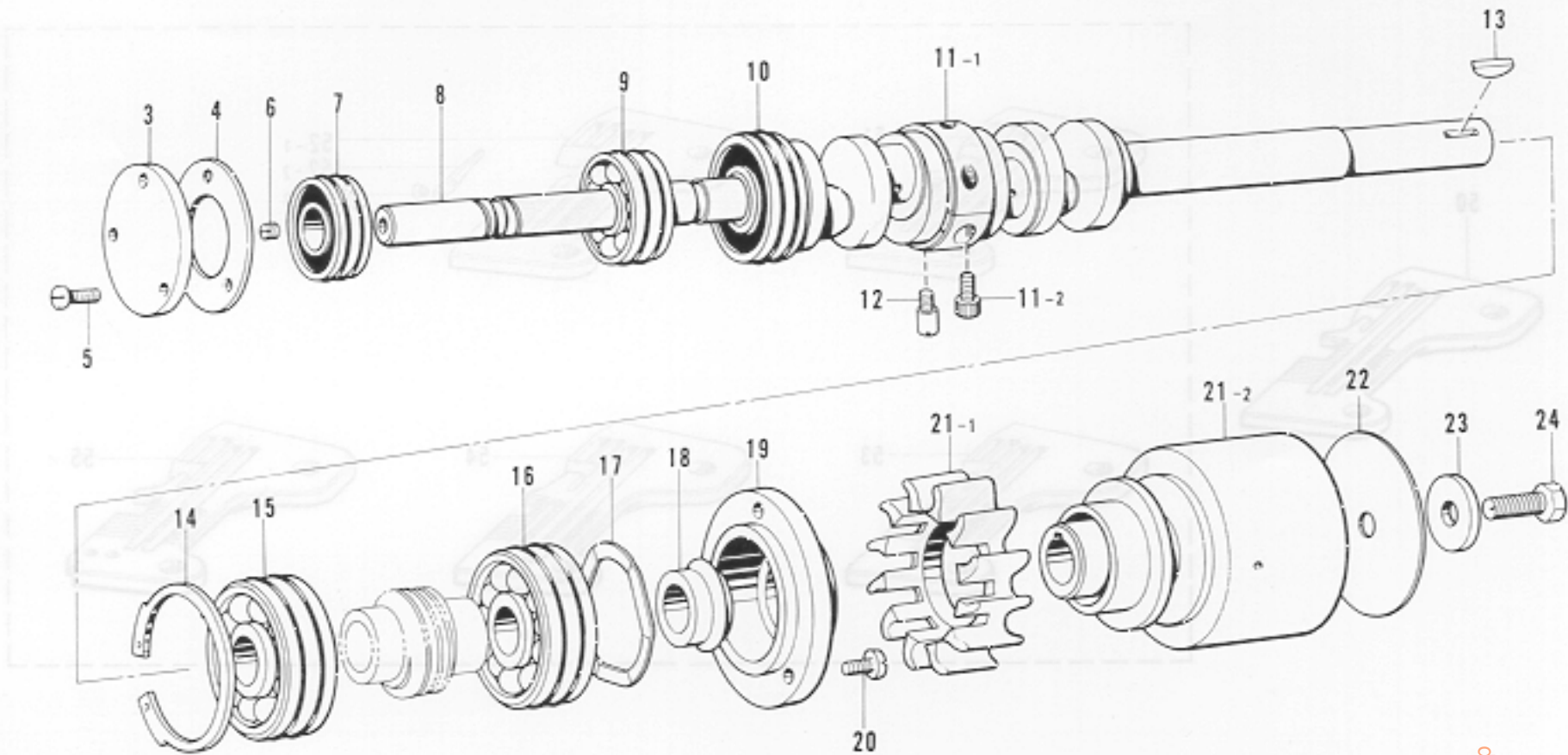
| Ref. No. | Name of Parts | Q'ty | Parts No. | Assembly No. | Ref. No. | Name of Parts | Q'ty | Parts No. | Assembly No. |
|----------|----------------------|------|-------------|--------------------------------|----------|--|------|-----------|--------------|
| B-50 | Needle Plate | 1 | | | B-53 | Needle Plate (Curling) | 1 | | |
| B-51 | Needle Plate (Bulky) | 1 | | | B-54 | Needle Plate (Ruffling, Ruffling W/piping) | 1 | | |
| B-52-1 | Needle Plate | 1 | | B-52 Needle Plate (Curling) | B-55 | Needle Plate (Backtacking) | 1 | | |
| B-52-2 | Tongue Plate | 1 | 148354-0-01 | | | | | | |
| B-52-3 | Screw 1.59 | 2 | 148355-0-01 | | | | | | |

| Ref. No. | Name of Parts | Q'ty | Parts No. | Assembly No. | Ref. No. | Name of Parts | Q'ty | Parts No. | Assembly No. |
|----------|---------------------|------|--------------|--------------|----------|---------------------|------|-------------|--------------|
| C-1 | Bearing Cap | 1 | 124888-0-01 | | C-11 | Crank Shaft Bearing | 1 | | |
| C-2 | Bushing | 1 | 124889-0-00 | | C-12 | Screw 4.37 x 14 | 1 | 124882-0-01 | |
| C-3 | Screw 3.27 x 8 | 3 | 009670-0-12 | | C-13 | Screw 4.37 | 1 | 124882-0-01 | |
| C-4 | Screw 4.75 | 1 | 013719-4-12 | | C-14 | Roller | 1 | 124882-0-01 | |
| C-5 | Screw 4.75 | 1 | 124870-0-01 | | C-15 | Roller | 1 | 124882-0-01 | |
| C-6 | Bearing 60012 | 1 | 124870-0-01 | | C-16 | Roller | 1 | 124882-0-01 | |
| C-7 | Crank Shaft | 1 | *124882-0-01 | | C-17 | Roller | 1 | 124882-0-01 | |
| C-8 | Bearing 62012 | 1 | 124871-0-01 | | C-18 | Roller | 1 | 124882-0-01 | |
| C-9 | Bearing 62012 | 1 | 124872-0-01 | | C-19 | Roller | 1 | 124882-0-01 | |
| C-10 | Bearing 62012 | 1 | 124873-0-01 | | C-20 | Roller | 1 | 124882-0-01 | |
| C-11 | Crank Shaft Bearing | 1 | | | C-21 | Roller | 1 | 124882-0-01 | |
| C-12 | Screw 4.37 x 14 | 3 | 148422-0-01 | | C-22 | Roller | 1 | 124882-0-01 | |
| C-13 | Screw 4.37 | 1 | 124872-0-01 | | C-23 | Roller | 1 | 124882-0-01 | |
| C-14 | Roller | 1 | 124882-0-01 | | C-24 | Roller | 1 | 124882-0-01 | |

* Crank Shaft Assembly (B-12, C-8, D-3, E-5, H-2) 125319-0-01

C. Crank Shaft mechanism

B. Needle Bar Mechanism (2)



From the library of: Diamond Needle Corp

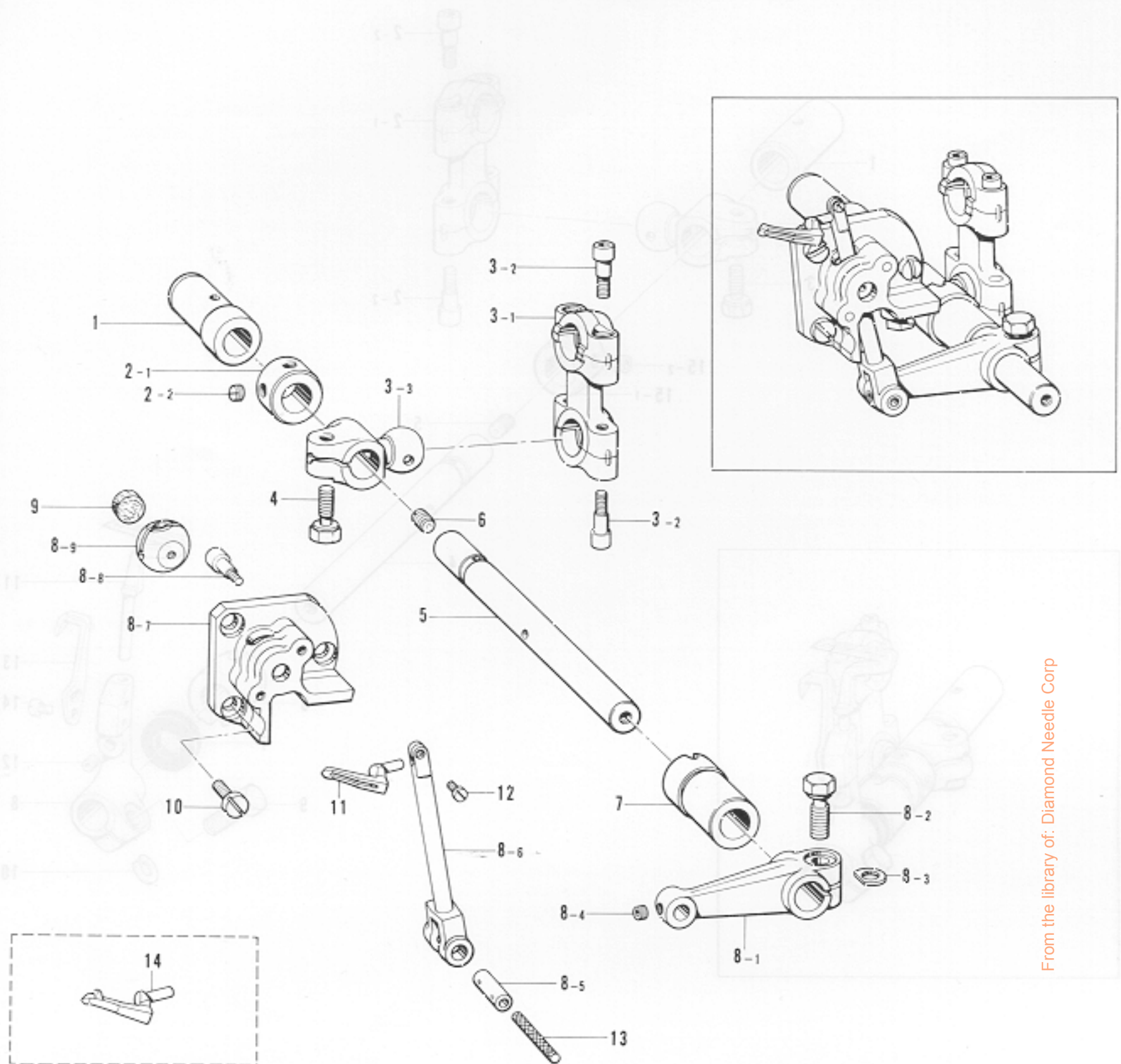
| Ref. No. | Name of Parts | Q'ty | Parts No. | Assembly No. | Ref. No. | Name of Parts | Q'ty | Parts No. | Assembly No. |
|----------|---------------------|------|-------------|--------------|----------|---------------------|------|-------------|--------------|
| B-20 | Needle Plate | 1 | 154876-0-01 | | B-21 | Needle Plate (Bolt) | 1 | 154877-0-01 | |
| B-21 | Needle Plate (Bolt) | 1 | 154877-0-01 | | B-22-1 | Needle Plate | 1 | 154878-0-01 | |
| B-22-1 | Needle Plate | 1 | 154878-0-01 | | B-22-2 | Tongue Plate | 1 | 154879-0-00 | |
| B-22-2 | Tongue Plate | 1 | 154879-0-00 | | B-23 | Screw 1.39 | 2 | 009681-0-12 | |
| B-23 | Screw 1.39 | 2 | 009681-0-12 | | | | | | |

| Ref. No. | Name of Parts | Q'ty | Parts No. | Assembly No. | Ref. No. | Name of Parts | Q'ty | Parts No. | Assembly No. |
|----------|---------------------|------|--------------|--|----------|-----------------|------|-------------|--|
| C-3 | Bearing Cap | 1 | 154868-0-01 | | C-14 | Stop Ring | 1 | 154876-0-01 | |
| C-4 | Packing | 1 | 154869-0-00 | | C-15 | Bearing 6302 | 1 | 154877-0-01 | |
| C-5 | Screw 3.57 x 8 | 3 | 009670-8-12 | | C-16 | Bearing 6302Z | 1 | 154878-0-01 | |
| C-6 | Screw 4.76 | 1 | 013719-4-12 | | C-17 | Spring | 1 | 154880-0-01 | |
| C-7 | Bearing 6001Z | 1 | 154870-0-01 | | C-18 | Oil Rejector | 1 | 154879-0-00 | |
| C-8 | Crank Shaft | 1 | *154865-0-01 | | C-19 | Bearing Presser | 1 | 154881-0-00 | |
| C-9 | Bearing 6201Z | 1 | 154871-0-01 | | C-20 | Screw 4.37 x 10 | 3 | 009681-0-12 | |
| C-10 | Bearing 6202Z | 1 | 154872-0-01 | | C-21-1 | Fan | 1 | | C-21 Pulley Assembly 154882-0-01 |
| C-11-1 | Crank Shaft Bushing | 1 | | C-11 Crank Shaft Bushing Assembly 154873-0-01 | C-21-2 | Pulley | 1 | | |
| C-11-2 | Screw 4.37 x 14 | 2 | 148425-0-01 | | C-22 | Pulley Cover | 1 | 154887-0-01 | |
| C-12 | Screw 4.37 | 1 | 154875-0-01 | | C-23 | Washer | 1 | 154886-0-01 | |
| C-13 | Key | 1 | 154885-0-01 | | C-24 | Bolt 6.35 x 14 | 1 | 017771-4-12 | |

* Crank Shaft Assembly (B-15, C-8, D-3, E-2, H-5) 155319-0-01

D. Over Looper Mechanism

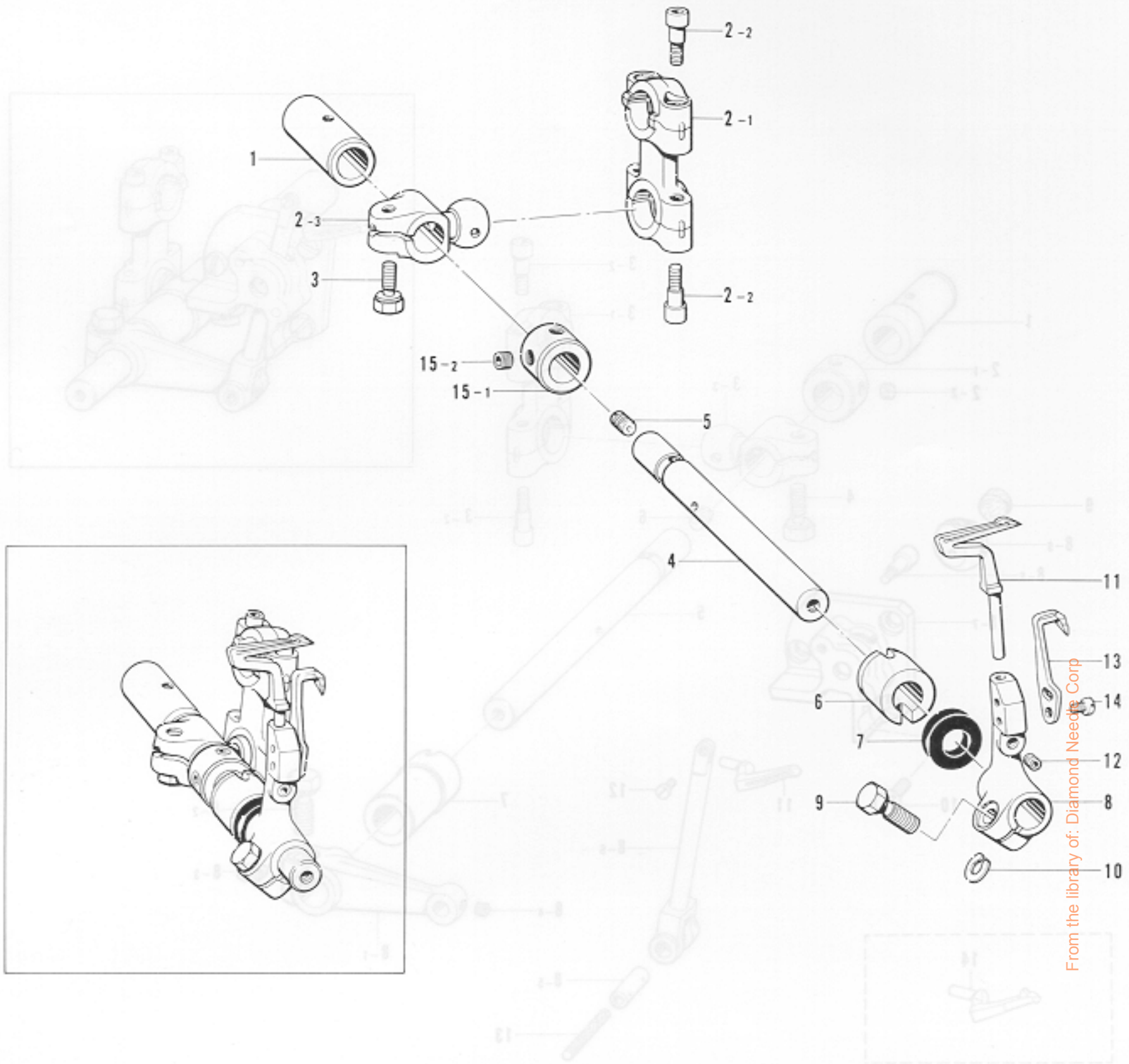
E. Under Looper Mechanism



| Ref. No. | Name of Parts | Q'ty | Parts No. | Assembly No. |
|----------|--------------------------------|------|-------------|---|
| D-1 | Bushing (B) | 1 | 155229-0-00 | |
| D-2-1 | Set Collar | 1 | | D-2 Collar Assembly 155863-0-01 |
| D-2-2 | Screw 5.95 | 2 | 152718-0-01 | |
| D-3-1 | Looper Connecting Rod | 1 | | *D-3 Looper Connecting Rod Assembly 155225-0-01 |
| D-3-2 | Screw 4.37 x 14 | 4 | 148425-0-01 | |
| D-3-3 | Looper Connecting Lever | 1 | | |
| D-4 | Bolt 6.35 x 14 | 1 | 155516-0-01 | |
| D-5 | Looper Shaft | 1 | 155228-0-01 | |
| D-6 | Screw 5.56 | 1 | 013750-5-12 | |
| D-7 | Bushing (F) | 1 | 155230-0-00 | |
| D-8-1 | Over Looper Driving Lever | 1 | | D-8 Over Looper Assembly 155231-0-01 |
| D-8-2 | Bolt 6.35 x 16 | 1 | 149170-0-01 | |
| D-8-3 | Spacer | 1 | 155162-0-01 | |
| D-8-4 | Screw 3.57 | 1 | 148294-0-01 | |
| D-8-5 | Over Looper Holding Shaft | 1 | | |
| D-8-6 | Over Looper Holder | 1 | | |
| D-8-7 | Over Looper Holder Guide Base | 1 | | |
| D-8-8 | Screw 4.37 x 14 | 2 | 148425-0-01 | |
| D-8-9 | Over Looper Holder Guide Block | 1 | | |
| D-9 | Felt | 1 | 155238-0-00 | |
| D-10 | Screw 4.37 x 8 | 3 | 009680-8-12 | |
| D-11 | Over Looper | 1 | 155240-0-01 | |
| D-12 | Screw 3.18 x 6 | 1 | 009660-6-12 | |
| D-13 | Wick 6 x 6 (32) | 1 | 140417-0-00 | |
| D-14 | Spreader | 1 | 155241-0-01 | |

E. Under Looper Mechanism

D. Over Looper Mechanism

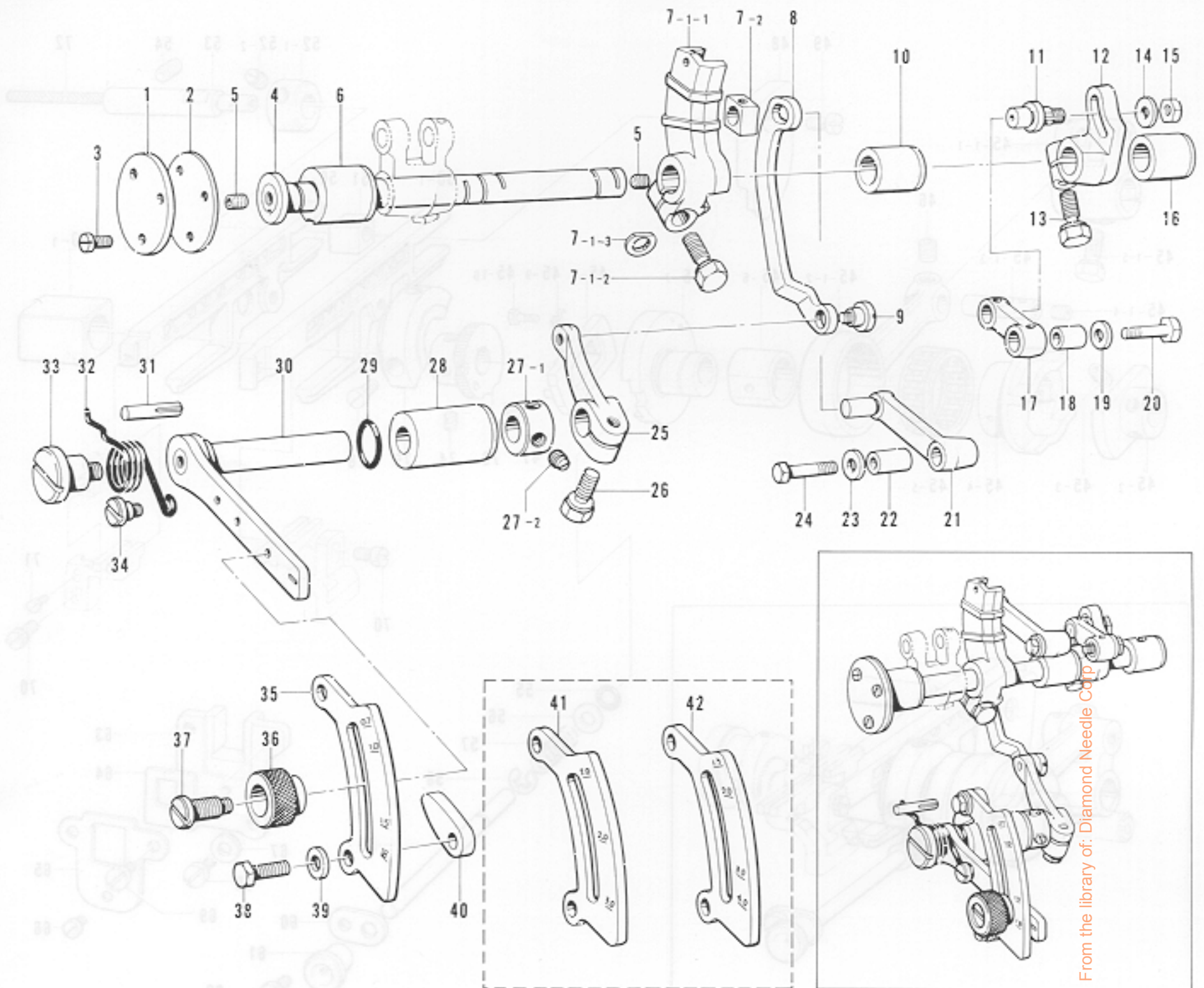


| Ref. No. | Name of Parts | Q'ty | Parts No. | Assembly No. | Ref. No. | Name of Parts | Q'ty | Parts No. | Assembly No. |
|----------|--------------------------------|------|-------------|---|----------|----------------------|------|-------------|----------------------------------|
| E- 1 | Under Looper Shaft Bushing (B) | 1 | 155245-0-00 | | E- 8 | Under Looper Holder | 1 | 155248-0-01 | |
| E- 2-1 | Looper Connecting Rod | 1 | | *E-2 Looper Connecting Rod Assembly 155225-0-01 | E- 9 | Bolt 5.56 x 14 | 1 | 149171-0-01 | |
| E- 2-2 | Screw 4.37 x 14 | 4 | 148425-0-01 | | E-10 | Spacer | 1 | 148782-0-01 | |
| E- 2-3 | Looper Connecting Lever | 1 | | | E-11 | Under Looper | 1 | 144049-0-01 | |
| E- 3 | Bolt 6.35 x 14 | 1 | 155516-0-01 | | E-12 | Screw 4.37 | 1 | 014680-4-22 | |
| E- 4 | Under Looper Shaft | 1 | 155244-0-01 | | E-13 | Movable Needle Guard | 1 | 144127-0-02 | |
| E- 5 | Screw 5.56 | 1 | 013750-5-12 | | E-14 | Screw 3.57 x 8 | 2 | 009670-8-12 | |
| E- 6 | Under Looper Shaft Bushing (F) | 1 | 155246-0-00 | | E-15-1 | Set Collar | 1 | | E-15 Collar Assembly 155863-0-01 |
| E- 7 | Seal | 1 | 155247-0-00 | | E-15-2 | Screw 5.95 | 2 | 152718-0-01 | |

| Ref. No. | Name of Parts | Q'ty | Parts No. | Assembly No. | Ref. No. | Name of Parts | Q'ty | Parts No. | Assembly No. |
|----------|--------------------------------|------|-------------|---|----------|--------------------------------|------|-------------|---|
| D- 1 | Bushing (B) | 1 | 155245-0-01 | | D- 1 | Bushing (B) | 1 | 155245-0-00 | |
| D- 1-1 | Set Collar | 1 | | D-1 Collar Assembly 155863-0-01 | D- 1-1 | Set Collar | 1 | | D-1 Collar Assembly 155863-0-01 |
| D- 1-2 | Screw 5.95 | 2 | 152718-0-01 | | D- 1-2 | Screw 5.95 | 2 | 152718-0-01 | |
| D- 2-1 | Looper Connecting Rod | 1 | | *D-2 Looper Connecting Rod Assembly 155225-0-01 | D- 2-1 | Looper Connecting Rod | 1 | | *D-2 Looper Connecting Rod Assembly 155225-0-01 |
| D- 2-2 | Screw 4.37 x 14 | 4 | 148425-0-01 | | D- 2-2 | Screw 4.37 x 14 | 4 | 148425-0-01 | |
| D- 2-3 | Looper Connecting Lever | 1 | | | D- 2-3 | Looper Connecting Lever | 1 | | |
| D- 3 | Bolt 6.35 x 14 | 1 | 155516-0-01 | | D- 3 | Bolt 6.35 x 14 | 1 | 155516-0-01 | |
| D- 4 | Under Looper Shaft | 1 | 155244-0-01 | | D- 4 | Under Looper Shaft | 1 | 155244-0-01 | |
| D- 5 | Screw 5.56 | 1 | 013750-5-12 | | D- 5 | Screw 5.56 | 1 | 013750-5-12 | |
| D- 6 | Under Looper Shaft Bushing (F) | 1 | 155246-0-00 | | D- 6 | Under Looper Shaft Bushing (F) | 1 | 155246-0-00 | |
| D- 7 | Seal | 1 | 155247-0-00 | | D- 7 | Seal | 1 | 155247-0-00 | |
| D- 8 | Under Looper Holder | 1 | 155248-0-01 | | D- 8 | Under Looper Holder | 1 | 155248-0-01 | |
| D- 8-1 | Bolt 5.56 x 14 | 1 | 149171-0-01 | | D- 8-1 | Bolt 5.56 x 14 | 1 | 149171-0-01 | |
| D- 8-2 | Spacer | 1 | 148782-0-01 | | D- 8-2 | Spacer | 1 | 148782-0-01 | |
| D- 8-3 | Under Looper | 1 | 144049-0-01 | | D- 8-3 | Under Looper | 1 | 144049-0-01 | |
| D- 8-4 | Screw 4.37 | 1 | 014680-4-22 | | D- 8-4 | Screw 4.37 | 1 | 014680-4-22 | |
| D- 8-5 | Movable Needle Guard | 1 | 144127-0-02 | | D- 8-5 | Movable Needle Guard | 1 | 144127-0-02 | |
| D- 8-6 | Screw 3.57 x 8 | 2 | 009670-8-12 | | D- 8-6 | Screw 3.57 x 8 | 2 | 009670-8-12 | |
| D- 9 | Set Collar | 1 | | D-9 Collar Assembly 155863-0-01 | D- 9 | Set Collar | 1 | | D-9 Collar Assembly 155863-0-01 |
| D- 9-1 | Screw 5.95 | 2 | 152718-0-01 | | D- 9-1 | Screw 5.95 | 2 | 152718-0-01 | |

F. Feed Mechanism (1)

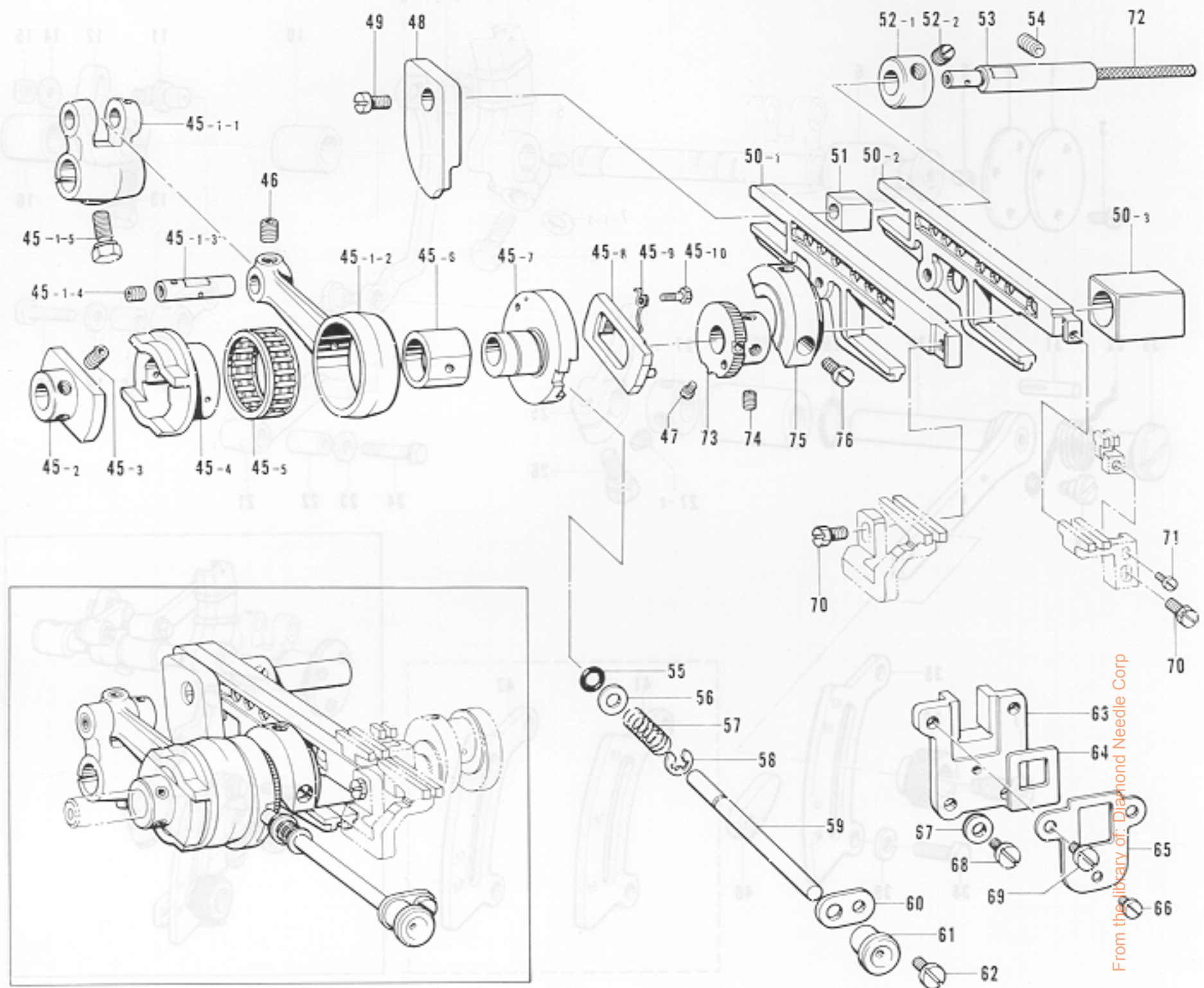
F. Feed Mechanism (2)



From the library of: Diamond Needle Corp

| Ref. No. | Name of Parts | Q'ty | Parts No. | Assembly No. | Ref. No. | Name of Parts | Q'ty | Parts No. | Assembly No. |
|----------|----------------------------------|------|-------------|--|-----------------------------------|---|-------------|-------------|--|
| F- 1 | Cover for Feed Shaft Bushing (L) | 1 | 155144-0-01 | | F-22 | Differential Feed Link Bushing | 1 | 155165-0-01 | |
| F- 2 | Packing | 1 | 155145-0-00 | | F-23 | Washer | 1 | 155157-0-01 | |
| F- 3 | Screw 3.57 x 8 | 3 | 009670-8-12 | | F-24 | Feed Link Shaft (Large) | 1 | 140217-0-01 | |
| F- 4 | Feed Shaft | 1 | 155140-0-01 | | F-25 | Differential Feed Link Lever | 1 | 155168-0-01 | |
| F- 5 | Screw 5.56 | 2 | 014770-6-22 | | F-26 | Bolt 6.35 x 14 | 1 | 155516-0-01 | |
| F- 6 | Feed Shaft Bushing (L) | 1 | 155141-0-00 | | F-27-1 | Set Collar | 1 | | F-27 Collar Assembly 181969-0-03 |
| F- 7-1-1 | Differential Feed Arm | 1 | | F-7 Differential Feed Arm Block Assembly 155159-0-01 | F-27-2 | Screw 6.35 | 2 | 101706-0-01 | |
| F- 7-1-2 | Bolt 6.35 x 16 | 1 | 149170-0-01 | | F-28 | Adjusting Lever Bushing | 1 | 155170-0-00 | |
| F- 7-1-3 | Spacer | 1 | 155162-0-01 | | F-29 | "O" Ring | 1 | 109203-0-01 | |
| F- 7-2 | Differential Feed Block | 1 | | F-30 | Differential Feed Adjusting Lever | 1 | 155169-0-01 | | |
| F- 8 | Differential Feed Adjuster Link | 1 | 155166-0-01 | | F-31 | Pin | 1 | 140063-0-01 | |
| F- 9 | Screw 5.56 | 1 | 155167-0-01 | | F-32 | Spring | 1 | 155171-0-01 | |
| F-10 | Feed Shaft Bushing (M) | 1 | 155142-0-00 | | F-33 | Stud Screw 5.56 | 1 | 146559-0-01 | |
| F-11 | Main Feed Link Shaft | 1 | 155155-0-01 | | F-34 | Stud Screw 4.76 | 1 | 100294-0-02 | |
| F-12 | Main Feed Arm | 1 | 155154-0-01 | | F-35 | Differential Stitch Control | 1 | 155172-0-01 | |
| F-13 | Bolt 6.35 x 16 | 1 | 149170-0-01 | | F-36 | Knob | 1 | 155175-0-01 | |
| F-14 | Washer | 1 | 113431-0-02 | | F-37 | Screw | 1 | 155176-0-01 | |
| F-15 | Nut | 1 | 148838-0-01 | | F-38 | Bolt 6.35 x 14 | 2 | 017781-4-12 | |
| F-16 | Feed Shaft Bushing (R) | 1 | 155143-0-00 | | F-39 | Washer | 2 | 118735-0-02 | |
| F-17 | Main Feed Link | 1 | 155158-0-01 | | F-40 | Stopper for Differential Stitch Control | 2 | 146563-0-01 | |
| F-18 | Main Feed Link Bushing | 1 | 155156-0-01 | | F-41 | Differential Stitch Control (Ruffling) | 1 | 155174-0-01 | |
| F-19 | Washer | 1 | 155157-0-01 | | F-42 | Differential Stitch Control (Bulky) | 1 | 155173-0-01 | |
| F-20 | Main Feed Link Shaft (Small) | 1 | 140210-0-01 | | | | | | |
| F-21 | Differential Feed Link | 1 | 155154-0-01 | | | | | | |

F. Feed Mechanism (2)

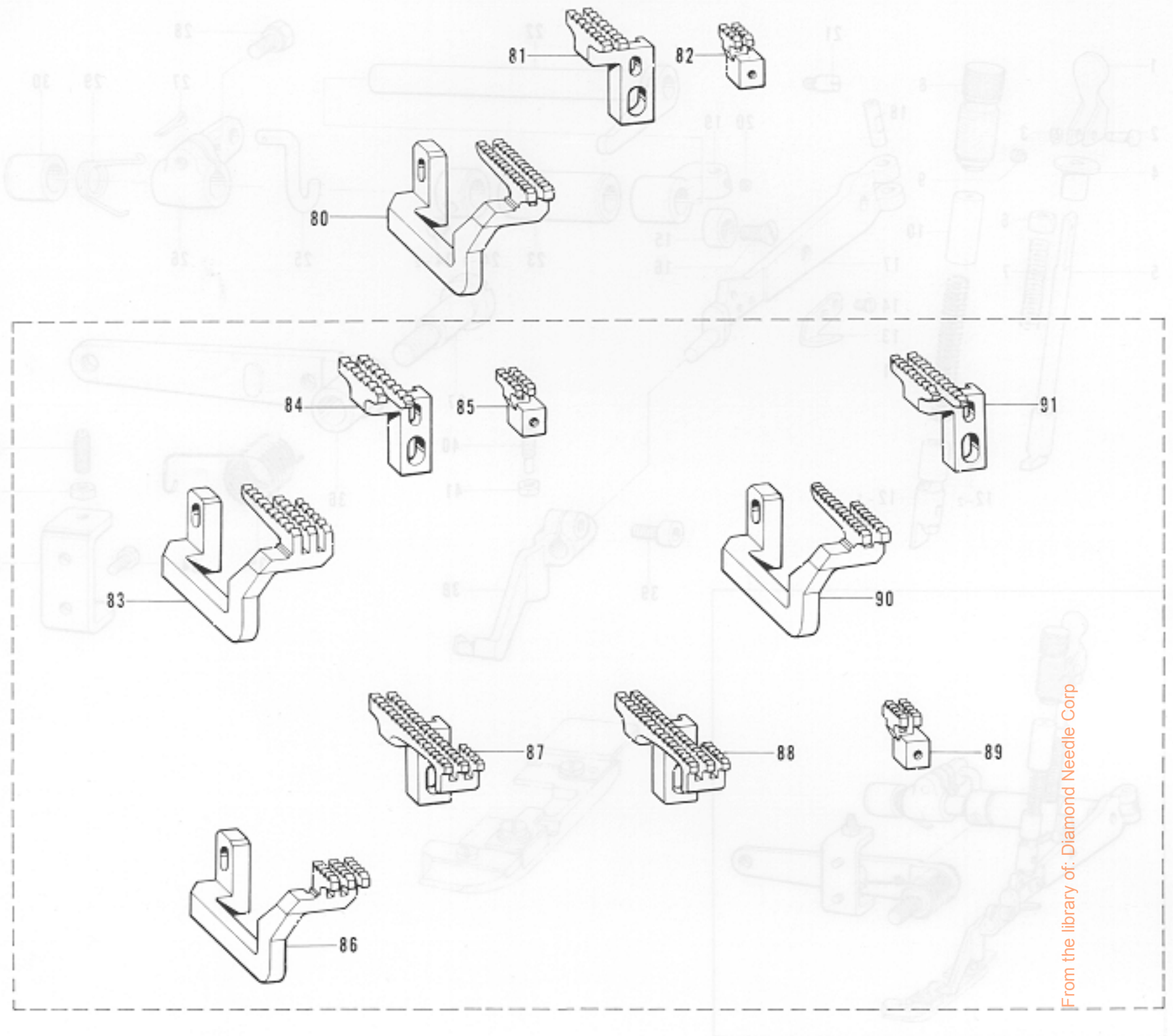


From the library of: Diamond Needle Corp

| Ref. No. | Name of Parts | Q'ty | Parts No. | Assembly No. | Ref. No. | Name of Parts | Q'ty | Parts No. | Assembly No. |
|----------|--------------------------------|------|-------------|--------------|----------|-------------------------------------|------|-------------|--------------|
| F-45-1-1 | Feed Arm | 1 | | | F-53 | Feed Bar Guide Block Shaft | 1 | 155152-0-01 | |
| F-45-1-2 | Feed Rod | 1 | | | F-54 | Screw 6.35 | 1 | 014780-6-22 | |
| F-45-1-3 | Pin | 1 | | | F-55 | Packing | 1 | 118770-0-01 | |
| F-45-1-4 | Screw 6.35 | 1 | 014770-6-22 | | F-56 | Washer | 1 | 113431-0-02 | |
| F-45-1-5 | Bolt 6.35 x 16 | 1 | 149170-0-01 | | F-57 | Spring | 1 | 155139-0-01 | |
| F-45-2 | Eccentric Wheel Holder | 1 | | F-45 | F-58 | Stop Ring | 1 | 048040-3-42 | |
| F-45-3 | Screw 4.37 | 2 | 014680-4-22 | F-45 | F-59 | Feed Adjusting Shaft | 1 | 155138-0-01 | |
| F-45-4 | Eccentric Wheel | 1 | | F-45 | F-60 | Supportter for Feed Adjusting Shaft | 1 | 146536-0-01 | |
| F-45-5 | Needle Roller Bearing 28 | 1 | | F-45 | F-61 | Cap | 1 | 155348-0-00 | |
| F-45-6 | Adjuster Eccentric Wheel Block | 1 | | F-45 | F-62 | Screw 3.57 x 6 | 1 | 009670-6-12 | |
| F-45-7 | Adjuster Eccentric Wheel | 1 | | F-45 | F-63 | Feed Bar Guide | 1 | 155151-0-00 | |
| F-45-8 | Ratchet Stopper | 1 | | F-45 | F-64 | Fragment Protector | 1 | 155177-0-00 | |
| F-45-9 | Spring | 1 | 155132-0-01 | F-45 | F-65 | Fragment Protector Plate | 1 | 155178-0-01 | |
| F-45-10 | Stud Screw 2.38 | 1 | 155133-0-01 | F-45 | F-66 | Screw 3.57 | 1 | 106568-0-03 | |
| F-46 | Screw 4.37 | 1 | 014680-4-22 | F-45 | F-67 | Washer | 2 | 100645-0-03 | |
| F-47 | Screw 2.38 | 1 | 155560-0-01 | F-45 | F-68 | Screw 4.37 | 2 | 107407-0-03 | |
| F-48 | Differential Link Guide | 1 | 155153-0-00 | F-45 | F-69 | Screw 4.37 | 2 | 107407-0-03 | |
| F-49 | Screw 4.37 x 7 | 1 | 009680-7-12 | F-45 | F-70 | Bolt 4.37 | 2 | 117516-0-01 | |
| F-50-1 | Differential Feed Bar | 1 | | F-50 | F-71 | Screw 2.38 x 8 | 1 | 009630-8-12 | |
| F-50-2 | Main Feed Bar | 1 | | F-50 | F-72 | Wick 8 x 8 (90) | 1 | 147362-0-00 | |
| F-50-3 | Feed Lifting Slide Block | 1 | | F-50 | F-73 | Ratchet | 1 | 155179-0-01 | |
| F-51 | Feed Bar Guide Block | 1 | 146547-0-00 | F-50 | F-74 | Screw 4.37 | 2 | 014680-6-22 | |
| F-52-1 | Set Collar | 1 | | F-52 | F-75 | Balance Weight | 1 | 155180-0-01 | |
| F-52-2 | Screw 6.35 | 2 | 101706-0-01 | F-52 | F-76 | Screw 4.37 | 2 | 105176-0-01 | |

F. Feed Mechanism (3)

G. Presser Foot Mechanism (1)



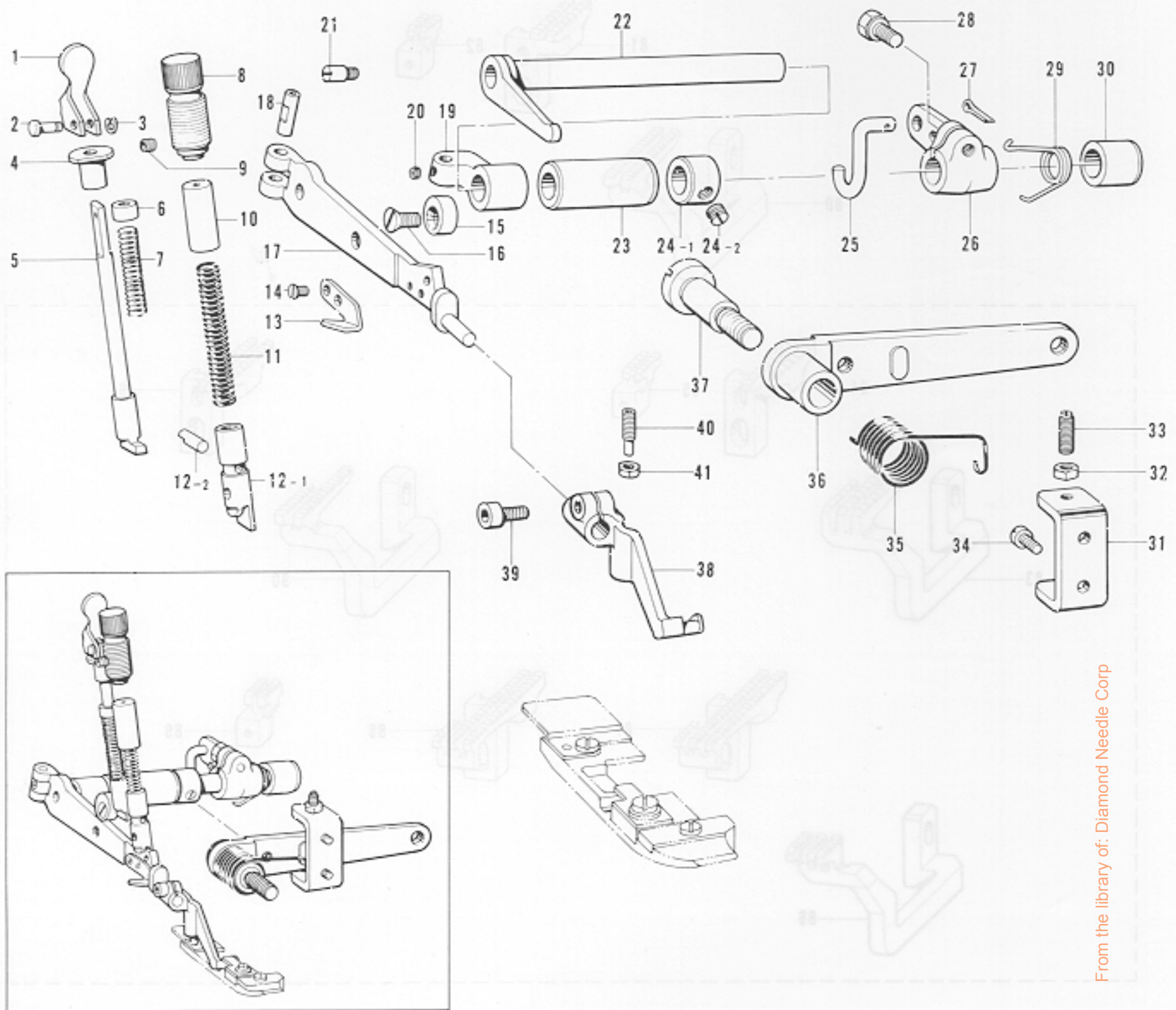
From the library of: Diamond Needle Corp

| Ref. No. | Name of Parts | Q'ty | Parts No. | Assembly No. | Ref. No. | Name of Parts | Q'ty | Parts No. | Assembly No. |
|----------|----------------------------------|------|-------------|--------------|----------|------------------------------------|------|-------------|--------------|
| F-80 | Differential Feed Dog | 1 | 146748-0-01 | | F-86 | Differential Feed Dog (Ruffling) | 1 | 146751-0-01 | |
| F-81 | Main Feed Dog | 1 | 146744-0-01 | | F-87 | Main Feed Dog (Ruffling) | 1 | 146746-0-01 | |
| F-82 | Chain Feed Dog | 1 | 146577-0-01 | | F-88 | Main Feed Dog (Ruffling W/piping) | 1 | 147828-0-01 | |
| F-83 | Differential Feed Dog (Bulky) | 1 | 146750-0-01 | | F-89 | Chain Feed Dog (Ruffling W/piping) | 1 | 147832-0-01 | |
| F-84 | Main Feed Dog (Bulky) | 1 | 146745-0-01 | | F-90 | Differential Feed Dog (Bulky) | 1 | 148402-0-01 | |
| F-85 | Chain Feed Dog (Bulky, Ruffling) | 1 | 146578-0-01 | | F-91 | Main Feed Dog (Bulky) | 1 | 148401-0-01 | |

| | | | | | | | | | |
|------|---------------------------|---|-------------|--|------|---------------------------|---|-------------|--|
| C-2 | Presser Bar Lifter Shaft | 1 | 124922-0-01 | | C-2 | Presser Bar Lifter Shaft | 1 | 124922-0-01 | |
| C-3 | Rolling | 1 | 124924-0-01 | | C-3 | Rolling | 1 | 124924-0-01 | |
| C-4 | Spring | 1 | 124923-0-01 | | C-4 | Spring | 1 | 124923-0-01 | |
| C-5 | Screw | 1 | 124948-0-01 | | C-5 | Screw | 1 | 124948-0-01 | |
| C-6 | Screw 3/16 | 1 | 146423-0-01 | | C-6 | Screw 3/16 | 1 | 146423-0-01 | |
| C-7 | Spring Presser | 1 | 124921-0-01 | | C-7 | Spring Presser | 1 | 124921-0-01 | |
| C-8 | Spring | 1 | 124920-0-01 | | C-8 | Spring | 1 | 124920-0-01 | |
| C-9 | Presser Bar | 1 | 124947-0-01 | | C-9 | Presser Bar | 1 | 124947-0-01 | |
| C-10 | Pin | 1 | 148259-0-01 | | C-10 | Pin | 1 | 148259-0-01 | |
| C-11 | Trimming Knife | 2 | 141242-0-01 | | C-11 | Trimming Knife | 2 | 141242-0-01 | |
| C-12 | Screw 3/16 | 1 | 144088-0-01 | | C-12 | Screw 3/16 | 1 | 144088-0-01 | |
| C-13 | Presser Arm Support | 1 | 107231-0-02 | | C-13 | Presser Arm Support | 1 | 107231-0-02 | |
| C-14 | Screw 4/16 | 1 | 124960-0-01 | | C-14 | Screw 4/16 | 1 | 124960-0-01 | |
| C-15 | Main Presser Arm | 1 | 124923-0-01 | | C-15 | Main Presser Arm | 1 | 124923-0-01 | |
| C-16 | Pin for Presser Arm Shaft | 1 | 124921-0-01 | | C-16 | Pin for Presser Arm Shaft | 1 | 124921-0-01 | |
| C-17 | Presser Arm Support | 1 | 125272-0-01 | | C-17 | Presser Arm Support | 1 | 125272-0-01 | |
| C-18 | Screw 4/16 | 2 | 124922-0-01 | | C-18 | Screw 4/16 | 2 | 124922-0-01 | |
| C-19 | Screw 4/16 | 1 | 021670-0-02 | | C-19 | Screw 4/16 | 1 | 021670-0-02 | |

G. Presser Foot Mechanism (1)

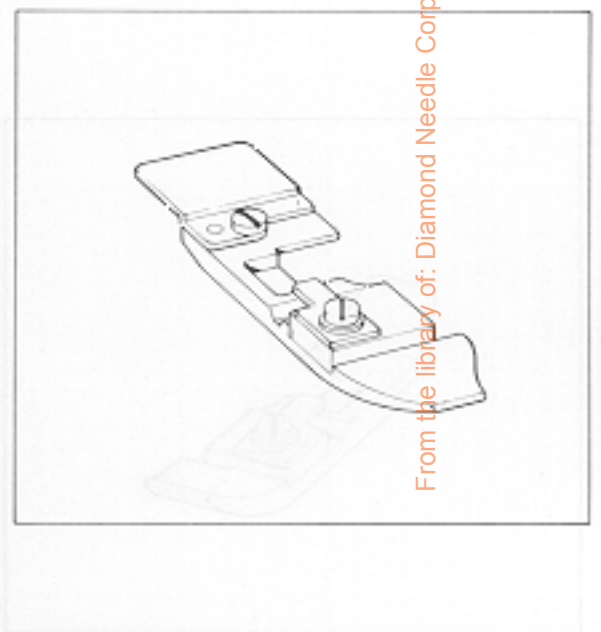
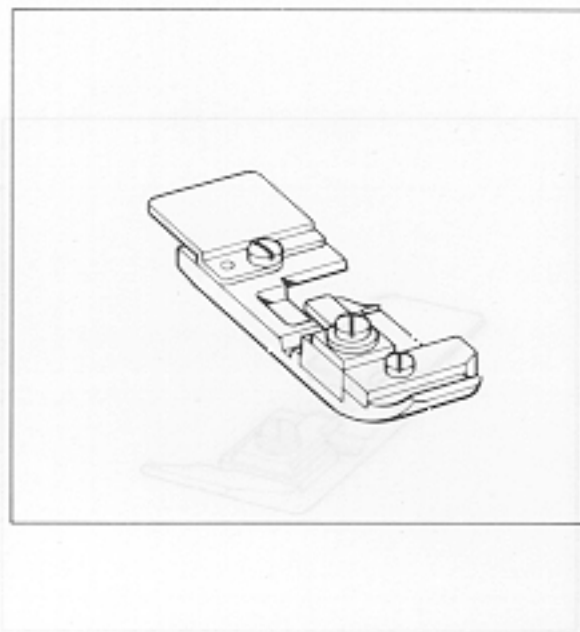
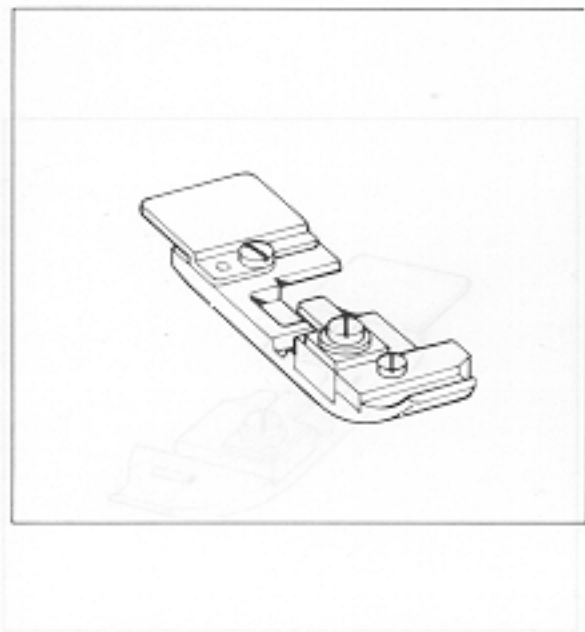
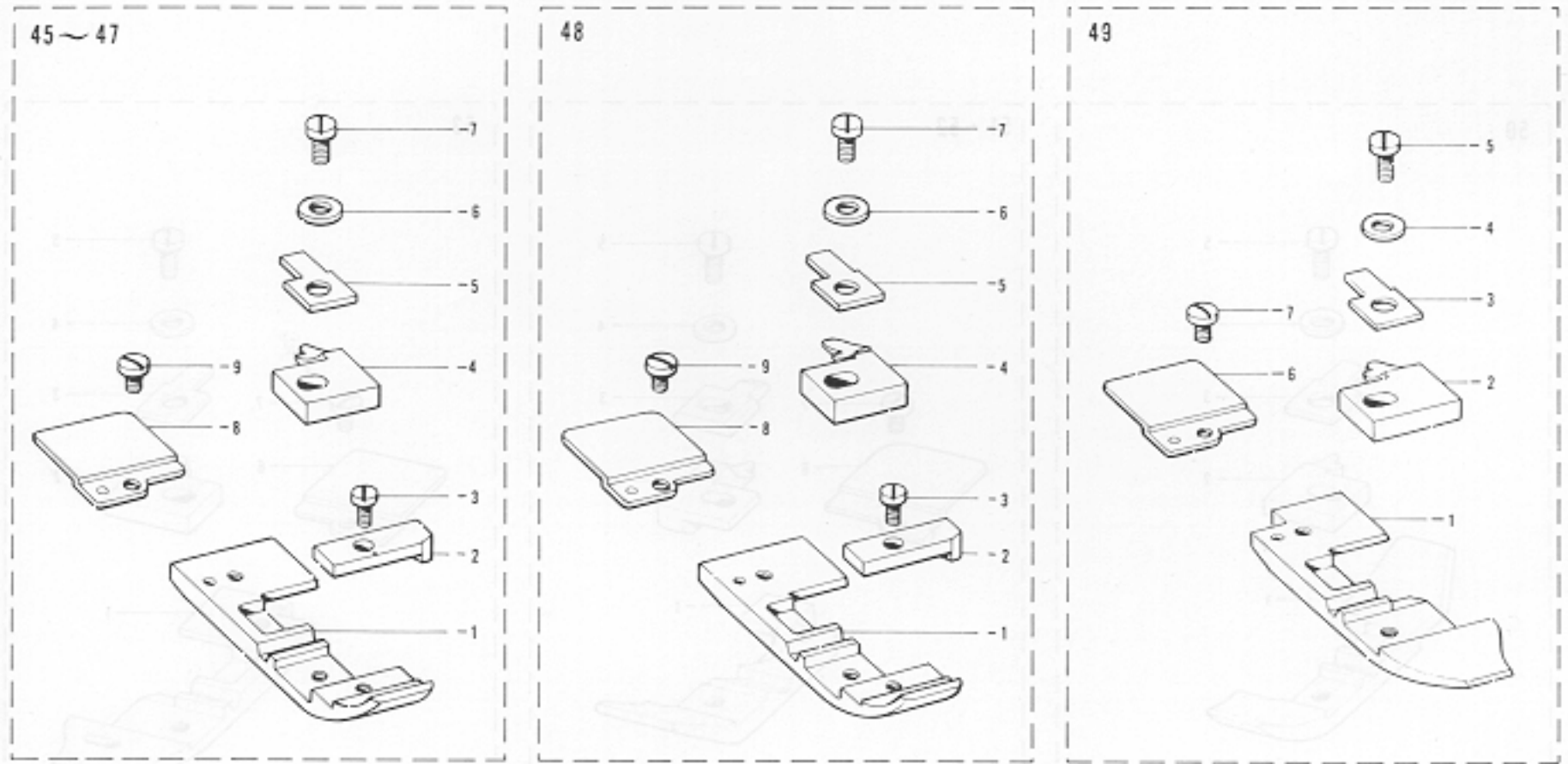
F. Feed Mechanism (3)



| Ref. No. | Name of Parts | Q'ty | Parts No. | Assembly No. | Ref. No. | Name of Parts | Q'ty | Parts No. | Assembly No. |
|----------|---------------------------|------|-------------|---------------------------------------|----------|----------------------------------|------|-------------|----------------------------------|
| G-1 | Presser Bar Lifter | 1 | 147759-0-01 | | G-22 | Presser Arm Shaft | 1 | 154959-0-01 | |
| G-2 | Presser Bar Lifter Pin | 1 | 144084-0-01 | | G-23 | Bushing (Left) | 1 | 154958-0-00 | |
| G-3 | Stop Ring | 1 | 048020-3-42 | | G-24-1 | Set Collar | 1 | | G-24 Collar Assembly 181969-0-03 |
| G-4 | Washer | 1 | 144083-0-01 | | G-24-2 | Screw 6.35 | 2 | 101706-0-01 | |
| G-5 | Presser Bar Lifter Shaft | 1 | 154952-0-01 | | G-25 | Presser Foot Lifter Link | 1 | 154955-0-01 | |
| G-6 | Bushing | 1 | 154954-0-01 | | G-26 | Presser Foot Lifter Inside Lever | 1 | 154956-0-01 | |
| G-7 | Spring | 1 | 154953-0-01 | | G-27 | Pin | 1 | 110793-0-01 | |
| G-8 | Screw | 1 | 154946-0-01 | | G-28 | Bolt 6.35 x 16 | 1 | 149170-0-01 | |
| G-9 | Screw 3.18 | 1 | 146427-0-01 | | G-29 | Spring | 1 | 154957-0-01 | |
| G-10 | Spring Presser | 1 | 154951-0-01 | | G-30 | Bushing (Right) | 1 | 140262-0-00 | |
| G-11 | Spring | 1 | 154950-0-01 | | G-31 | Adjuster Plate | 1 | 146522-0-01 | |
| G-12-1 | Presser Bar | 1 | | G-12 Presser Bar Assembly 154947-0-01 | G-32 | Nut | 2 | 110161-0-06 | |
| G-12-2 | Pin | 1 | | | G-33 | Screw 4.76 | 2 | 153483-0-01 | |
| G-13 | Trimming Knife | 1 | 148259-0-01 | | G-34 | Screw 4.37 x 7 | 2 | 009680-7-12 | |
| G-14 | Screw 3.18 | 2 | 141542-0-01 | | G-35 | Spring | 1 | 143325-0-01 | |
| G-15 | Presser Arm Stopper | 1 | 144088-0-01 | | G-36 | Presser Foot Lifter Lever | 1 | 143323-1-03 | |
| G-16 | Screw 4.76 | 1 | 107231-0-02 | | G-37 | Stud Screw 7.94 | 1 | 148372-0-01 | |
| G-17 | Main Presser Arm | 1 | 154960-0-01 | | G-38 | Sub-Presser Foot | 1 | 154964-0-01 | |
| G-18 | Pin for Presser Arm Shaft | 1 | 154962-0-01 | | G-39 | Screw 3.57 x 8 | 1 | 154965-0-01 | |
| G-19 | Presser Arm Supporter | 1 | 154961-0-01 | | G-40 | Adjusting Screw | 1 | 154966-0-01 | |
| G-20 | Screw 4.37 | 1 | 153675-0-01 | | G-41 | Nut | 1 | 021670-2-02 | |
| G-21 | Screw 4.37 | 2 | 154875-0-01 | | | | | | |

G. Presser Foot Mechanism (2)

G. Presser Foot Mechanism (3)

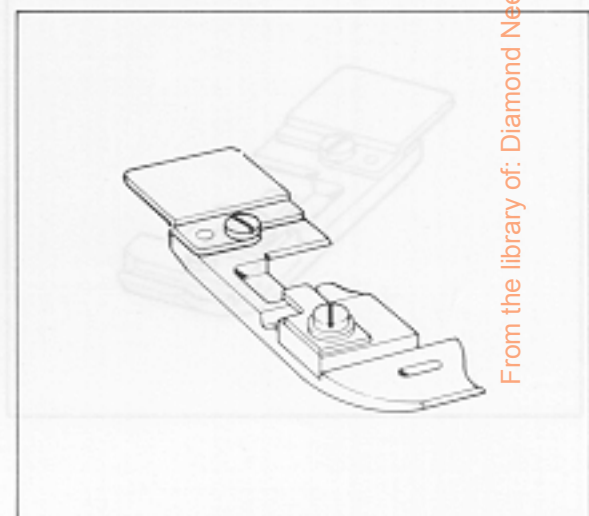
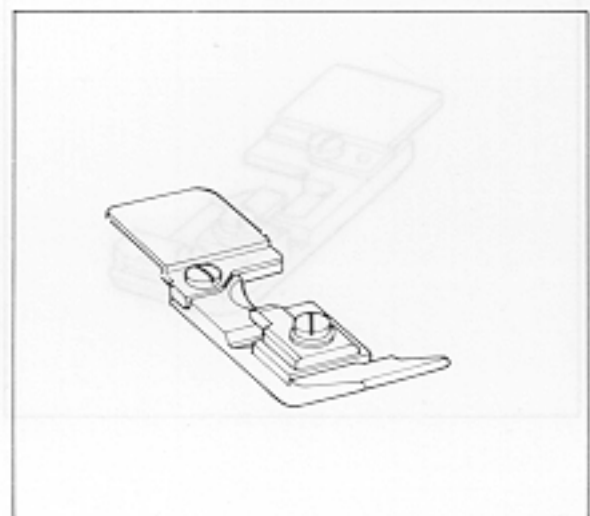
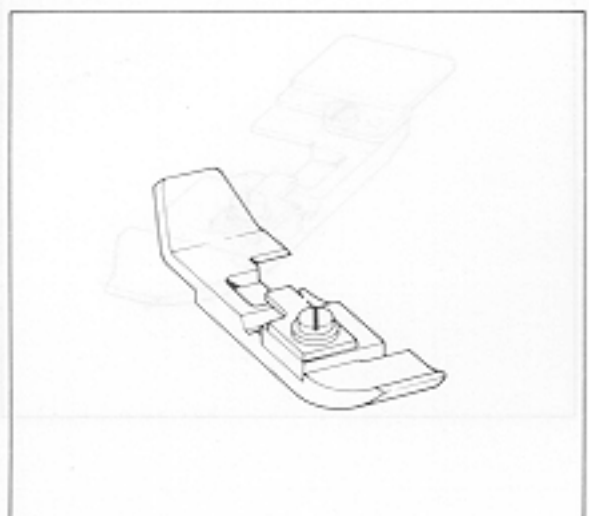
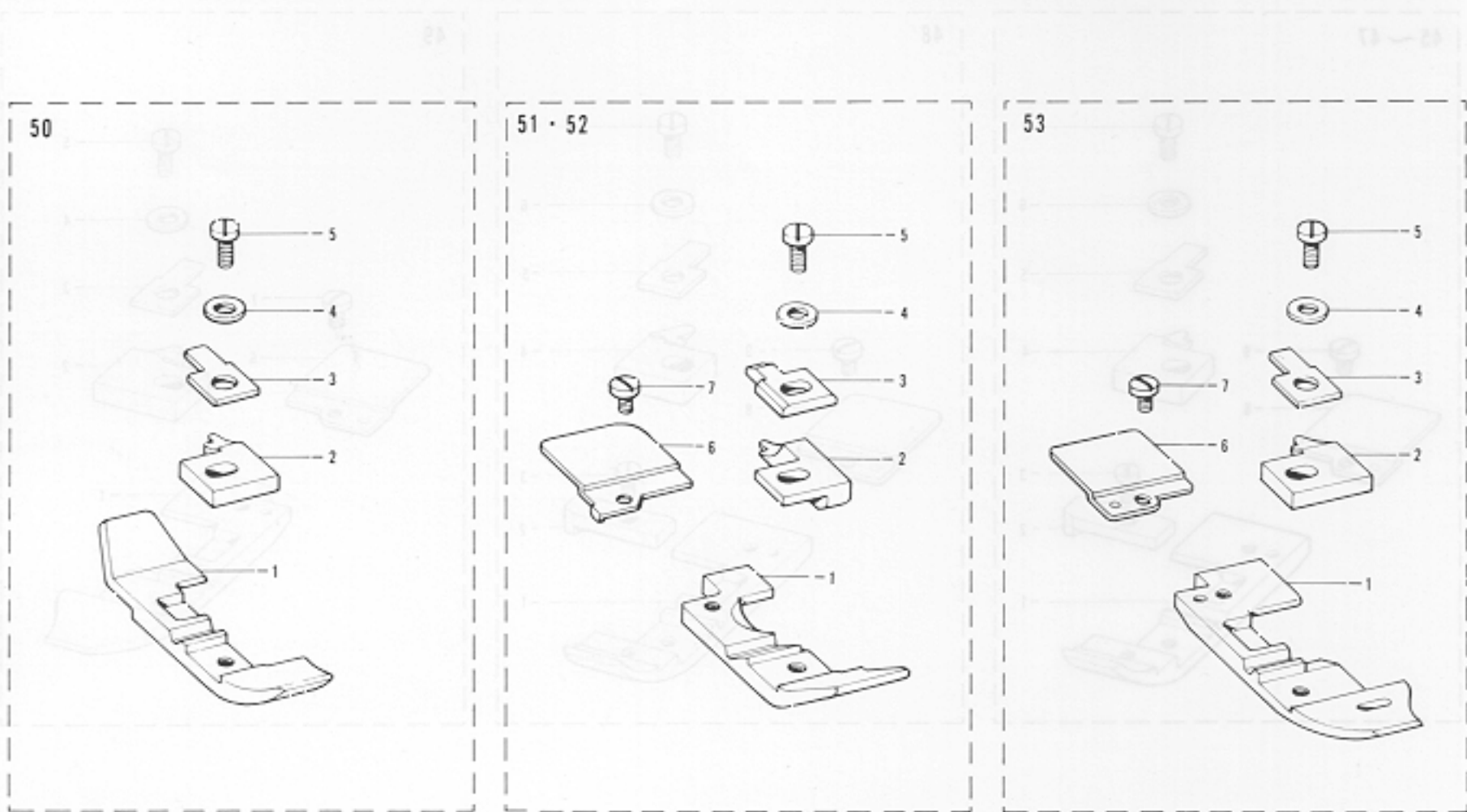


From the library of: Diamond Needle Corp

| Ref. No. | Name of Parts | Q'ty | Parts No. | Assembly No. | Ref. No. | Name of Parts | Q'ty | Parts No. | Assembly No. | |
|----------|----------------------------|------|-------------|---|----------------------------|---------------------------|-------------|--|--|---|
| G-45-1 | Presser Foot | 1 | | G-45 Presser Foot Assembly 154968-0-01 | G-47-5 | Presser Foot Hinge Spring | 1 | 146887-0-01 | G-47 Presser Foot Assembly 154976-0-01 (Curling) | |
| G-45-2 | Presser Foot (Front) | 1 | 146888-0-01 | | G-47-6 | Washer | 1 | 025030-1-32 | | |
| G-45-3 | Screw 2.38 x 3.5 | 1 | 009639-3-12 | | G-47-7 | Set Screw 3.18 | 1 | 100080-0-04 | | |
| G-45-4 | Presser Foot Stitch Tongue | 1 | 146886-0-01 | | G-47-8 | Presser Foot (Rear) | 1 | 154969-0-01 | | |
| G-45-5 | Presser Foot Hinge Spring | 1 | 146887-0-01 | | G-47-9 | Screw 2.38 | 1 | 105288-0-01 | | |
| G-45-6 | Washer | 1 | 025030-1-32 | | G-48-1 | Presser Foot | 1 | | | G-48 Presser Foot Assembly 154979-0-01 |
| G-45-7 | Set Screw 3.18 | 1 | 100080-0-04 | | G-48-2 | Presser Foot (Front) | 1 | 146888-0-01 | | |
| G-45-8 | Presser Foot (Rear) | 1 | 154969-0-01 | | G-48-3 | Screw 2.38 x 3.5 | 1 | 009639-3-12 | | |
| G-45-9 | Screw 2.38 | 1 | 105288-0-01 | | G-48-4 | Stitch Tongue | 1 | 149524-0-01 | | |
| G-46-1 | Presser Foot | 1 | | G-48-5 | Presser Foot Hinge Spring | 1 | 146887-0-01 | | | |
| G-46-2 | Presser Foot (Front) | 1 | 146888-0-01 | G-48-6 | Washer | 1 | 025030-1-32 | | | |
| G-46-3 | Screw 2.38 x 3.5 | 1 | 009639-3-12 | G-48-7 | Set Screw 3.18 | 1 | 100080-0-04 | | | |
| G-46-4 | Presser Foot Stitch Tongue | 1 | 146894-0-01 | G-48-8 | Presser Foot (Rear) | 1 | 154969-0-01 | | | |
| G-46-5 | Presser Foot Hinge Spring | 1 | 146887-0-01 | G-48-9 | Screw 2.38 | 1 | 105288-0-01 | | | |
| G-46-6 | Washer | 1 | 025030-1-32 | G-49-1 | Presser Foot | 1 | | G-49 Presser Foot Assembly 154974-0-01 (Bulky) | | |
| G-46-7 | Set Screw 3.18 | 1 | 100080-0-04 | G-49-2 | Presser Foot Stitch Tongue | 1 | 146900-0-01 | | | |
| G-46-8 | Presser Foot (Rear) | 1 | 154969-0-01 | G-49-3 | Presser Foot Hinge Spring | 1 | 146887-0-01 | | | |
| G-46-9 | Screw 2.38 | 1 | 105288-0-01 | G-49-4 | Washer | 1 | 025030-1-32 | | | |
| G-47-1 | Presser Foot | 1 | | G-49-5 | Set Screw 3.18 | 1 | 100080-0-04 | | | |
| G-47-2 | Presser Foot (Front) | 1 | 146888-0-01 | G-49-6 | Presser Foot (Rear) | 1 | 154969-0-01 | | | |
| G-47-3 | Screw 2.38 x 3.5 | 1 | 009639-3-12 | G-49-7 | Screw 2.38 | 1 | 105288-0-01 | | | |
| G-47-4 | Presser Foot Stitch Tongue | 1 | 148313-0-01 | | | | | | | |

G. Presser Foot Mechanism (3)

G. Presser Foot Mechanism (3)

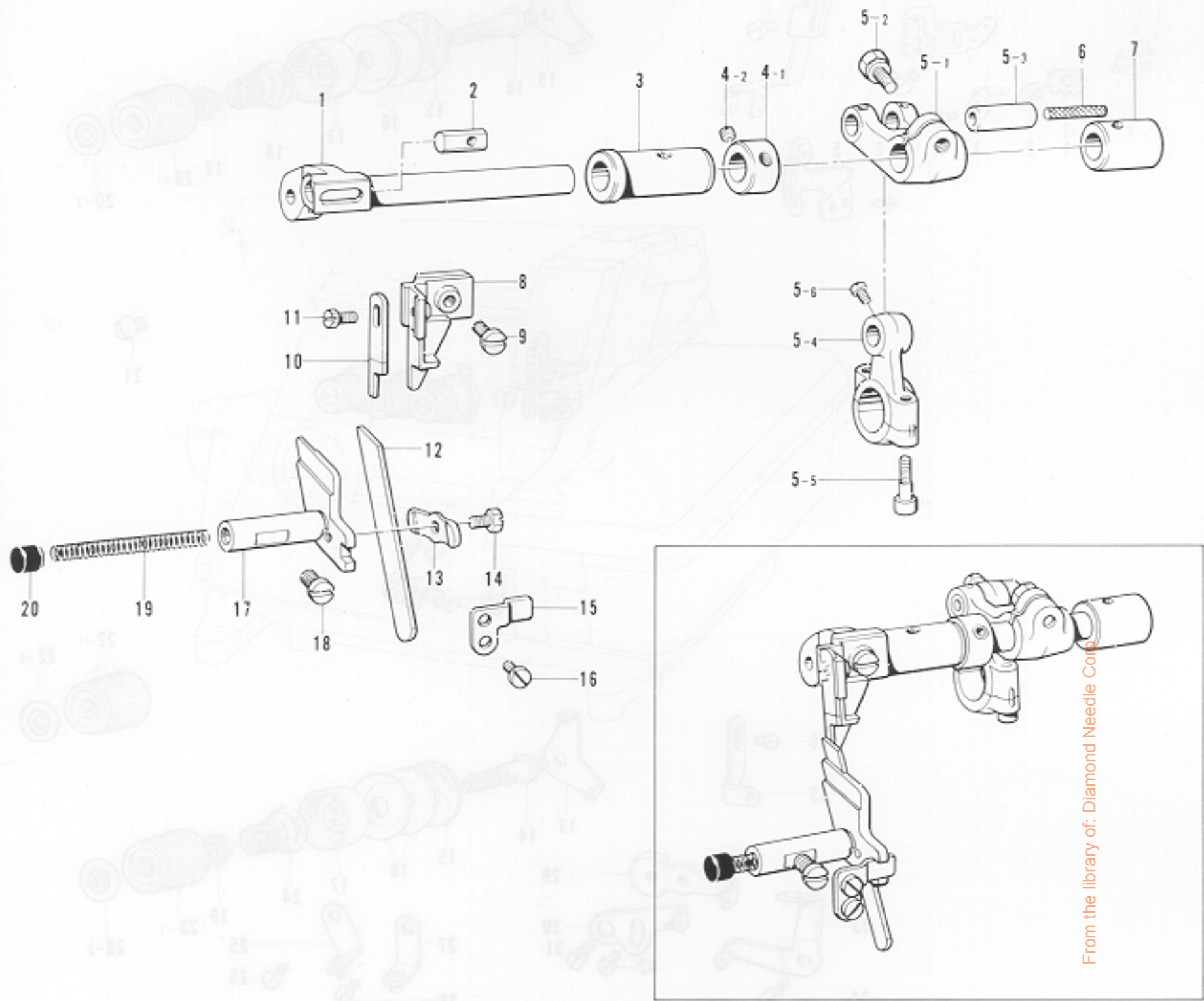


From the library of: Diamond Needle Corp

| Ref. No. | Name of Parts | Q'ty | Parts No. | Assembly No. |
|----------|--------------------------------|------|-------------|----------------------------|
| G-50-1 | Presser Foot | 1 | | G-50 |
| G-50-2 | Presser Foot Stitch Tongue | 1 | 146892-0-01 | Presser Foot Assembly Foot |
| G-50-3 | Presser Foot Hinge Spring | 1 | 146887-0-01 | 146890-0-01 |
| G-50-4 | Washer | 1 | 025030-1-32 | (Blind Stitch Hemming) |
| G-50-5 | Set Screw 3.18 | 1 | 100080-0-04 | |
| G-51-1 | Presser Foot | 1 | | G-51 |
| G-51-2 | Presser Foot Stitch Tongue (U) | 1 | 144813-0-01 | Presser Foot Assembly |
| G-51-3 | Presser Foot Plate | 1 | 144091-0-01 | 154971-0-01 |
| G-51-4 | Washer | 1 | 025030-1-32 | (Ruffling) |
| G-51-5 | Set Screw 3.18 | 1 | 100080-0-04 | |
| G-51-6 | Presser Foot (Rear) | 1 | 154972-0-01 | |
| G-51-7 | Screw 2.38 | 1 | 105288-0-01 | |
| G-52-1 | Presser Foot | 1 | | H-52 154975-0-01 |
| G-52-2 | Presser Foot Stitch Tongue (U) | 1 | 144813-0-01 | (Ruffling W/piping) |
| G-52-3 | Presser Foot Plate | 1 | 144091-0-01 | |
| G-52-4 | Washer | 1 | 025030-1-32 | |
| G-52-5 | Set Screw 3.18 | 1 | 100080-0-04 | |
| G-52-6 | Presser Foot (Rear) | 1 | 154972-0-01 | |
| G-52-7 | Screw 2.38 | 1 | 105288-0-01 | |
| G-53-1 | Presser Foot | 1 | | G-53 |
| G-53-2 | Presser Foot Stitch Tongue | 1 | 146897-0-01 | Presser Foot Assembly |
| G-53-3 | Presser Foot Hinge Spring | 1 | 146887-0-01 | 154973-0-01 |
| G-53-4 | Washer | 1 | 025030-1-32 | (Taping) |
| G-53-5 | Set Screw 3.18 | 1 | 100080-0-04 | |
| G-53-6 | Presser Foot (Rear) | 1 | 154969-0-01 | |
| G-53-7 | Screw 2.38 | 1 | 105288-0-01 | |

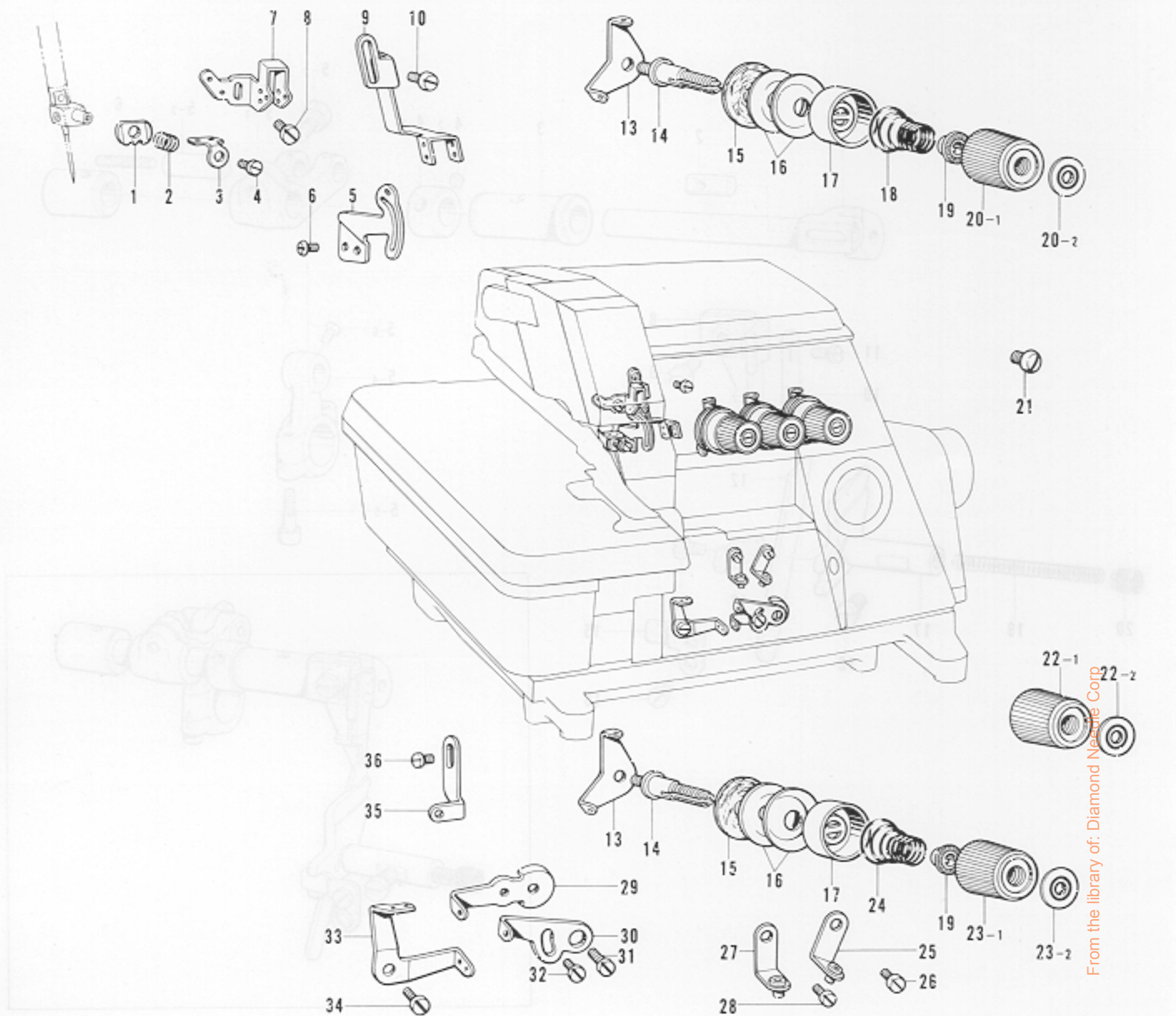
H. Knives Mechanism

11. Threading



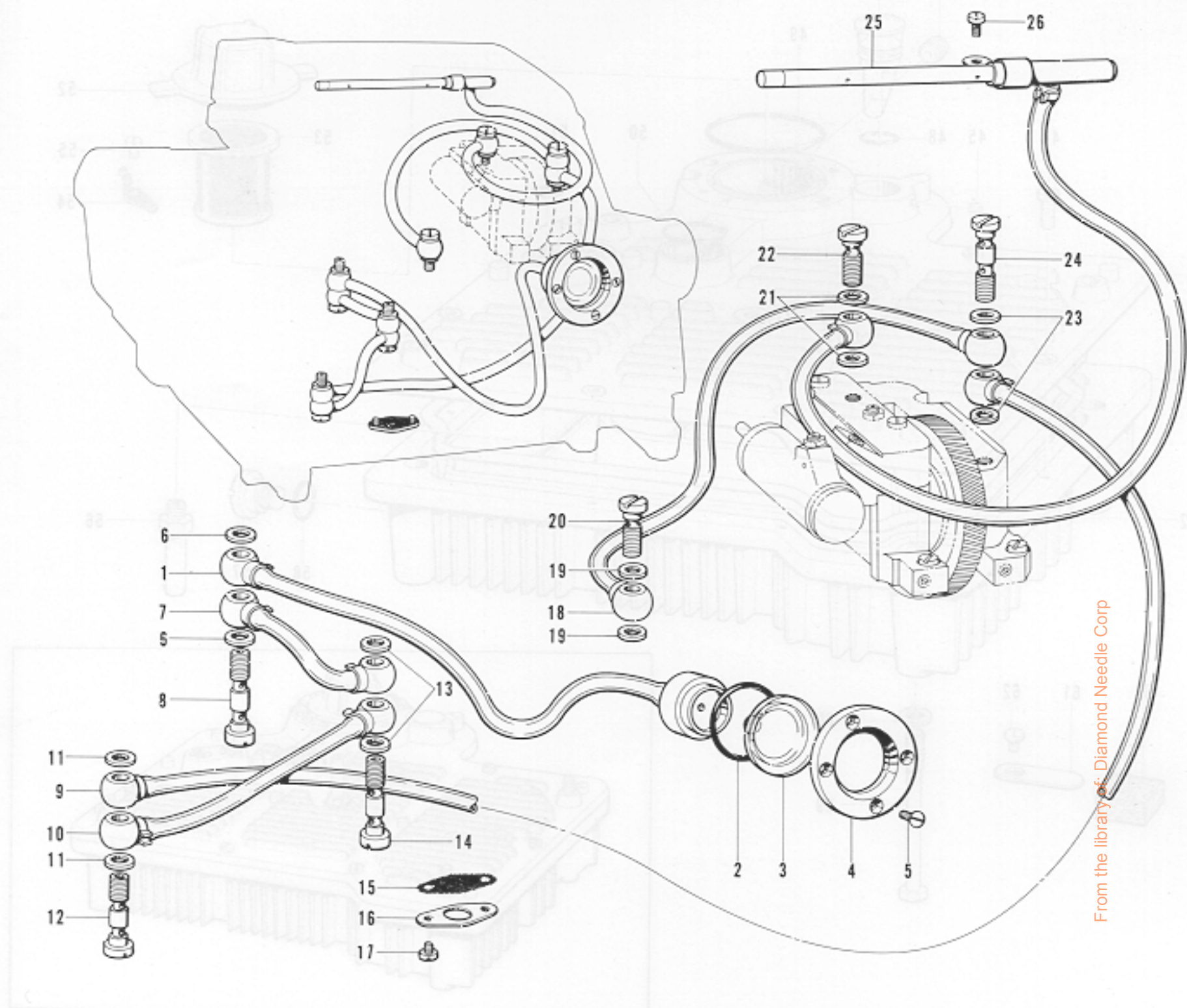
| Ref. No. | Name of Parts | Q'ty | Parts No. | Assembly No. | Ref. No. | Name of Parts | Q'ty | Parts No. | Assembly No. |
|----------|---------------------------|------|-------------|---|----------|---------------------------|------|-------------|--------------|
| H- 1 | Upper Knife Driving | 1 | 155185-0-01 | | H- 8 | Upper Knife Holder | 1 | 155187-0-01 | |
| H- 2 | Nut | 1 | 148281-0-01 | | H- 9 | Screw 4.37 | 1 | 107407-0-03 | |
| H- 3 | Bushing (Left) | 1 | 155186-0-00 | | H-10 | Upper Knife | 1 | 144074-0-00 | |
| H- 4-1 | Set Collar | 1 | | H-4 Collar Assembly 155863-0-01 | H-11 | Bolt 3.57 | 1 | 144075-0-01 | |
| H- 4-2 | Screw 5.95 | 2 | 152718-0-01 | | H-12 | Lower Knife | 1 | 155193-0-01 | |
| H- 5-1 | Upper Knife Driving Lever | 1 | | *H-5 Upper Knife Driving Rod Assembly 155181-0-01 | H-13 | Lower Knife Presser Plate | 1 | 155194-0-01 | |
| H- 5-2 | Bolt 6.35 x 16 | 1 | 149170-0-01 | | H-14 | Bolt 4.37 | 1 | 117516-0-01 | |
| H- 5-3 | Pin | 1 | | | H-15 | Lower Knife Holder Guide | 1 | 155195-0-01 | |
| H- 5-4 | Upper Knife Driving Rod | 1 | | | H-16 | Screw 3.57 x 6 | 2 | 009670-6-12 | |
| H- 5-5 | Screw 4.37 x 14 | 2 | 148425-0-01 | | H-17 | Lower Knife Holder | 1 | 155191-0-01 | |
| H- 5-6 | Screw 4.37 | 1 | 100366-0-01 | | H-18 | Screw 6.35 | 1 | 102627-0-01 | |
| H- 6 | Wick 8 x 8 (44) | 1 | 140317-0-00 | | H-19 | Spring | 1 | 146584-0-01 | |
| H- 7 | Bushing (Right) | 1 | 144117-0-00 | | H-20 | Oil Cap | 1 | 154923-0-01 | |

J. Threading



| Ref. No. | Name of Parts | Q'ty | Parts No. | Assembly No. | Ref. No. | Name of Parts | Q'ty | Parts No. | Assembly No. |
|----------|------------------------------------|------|-------------|--|----------|------------------------------|------|-------------|--|
| J-1 | Needle Thread Guard (A) | 1 | 155308-0-01 | | J-22-1 | Thread Tension Adjusting Nut | 1 | 149566-0-02 | J-22 Thread Tension Adjusting Nut Assembly 155696-0-02 |
| J-2 | Needle Thread Guard Spring | 1 | 155310-0-01 | | J-22-2 | Tension Indicating Plate | 1 | 155697-0-02 | |
| J-3 | Needle Thread Guard (C) | 1 | 155307-0-01 | | J-23-1 | Thread Tension Adjusting Nut | 1 | 149566-0-02 | J-23 Thread Tension Adjusting Nut Assembly 155696-0-04 |
| J-4 | Screw 2.38 | 1 | 105288-0-01 | | J-23-2 | Tension Indicating Plate | 1 | 155697-0-04 | |
| J-5 | Needle Thread Take-up | 1 | 155306-0-01 | | J-24 | Spring | 2 | 144110-0-01 | |
| J-6 | Screw 3.75 x 6 | 2 | 001670-6-12 | | J-25 | Under Looper Thread Guide | 1 | 146926-0-02 | |
| J-7 | Needle Thread Guide (A) | 1 | 155305-0-01 | | J-26 | Screw | 1 | 009670-6-12 | |
| J-8 | Screw 3.57 x 6 | 1 | 001670-6-12 | | J-27 | Thread Guide | 1 | 146926-0-03 | |
| J-9 | Needle Thread Guide (B) | 1 | 155304-0-01 | | J-28 | Screw 3.57 x 6 | 1 | 009670-6-12 | |
| J-10 | Screw 3.57 x 6 | 2 | 009670-6-12 | | J-29 | Under Looper Thread Take-up | 1 | 155311-0-01 | |
| J-13 | Needle Thread Guide Plate | 3 | 110813-0-01 | | J-30 | Over Looper Thread Take-up | 1 | 155312-0-01 | |
| J-14 | Looper Thread Tension Control Stud | 3 | 110820-0-01 | | J-31 | Screw | 1 | 009670-6-12 | |
| J-15 | Felt | 3 | 110832-0-01 | | J-32 | Screw | 1 | 009670-4-12 | |
| J-16 | Tension Disc | 6 | 145446-0-01 | | J-33 | Looper Thread Take-up (L) | 1 | 146654-0-01 | |
| J-17 | Tension Disc Washer | 3 | 144103-0-03 | | J-34 | Screw | 1 | 009670-6-12 | |
| J-18 | Spring | 1 | 144104-0-01 | | J-35 | Over Looper Thread Guide | 1 | 155313-0-01 | |
| J-19 | Tension Spring Washer | 3 | 144105-0-00 | | J-36 | Screw | 1 | 009670-6-12 | |
| J-20-1 | Thread Tension Adjusting Nut | 1 | 149566-0-02 | J-20 Thread Tension Adjusting Nut Assembly 155696-0-03 | | | | | |
| J-20-2 | Tension Indicating Plate | 1 | 155697-0-03 | | | | | | |
| J-21 | Screw 4.37 x 5 | 1 | 001680-5-12 | | | | | | |

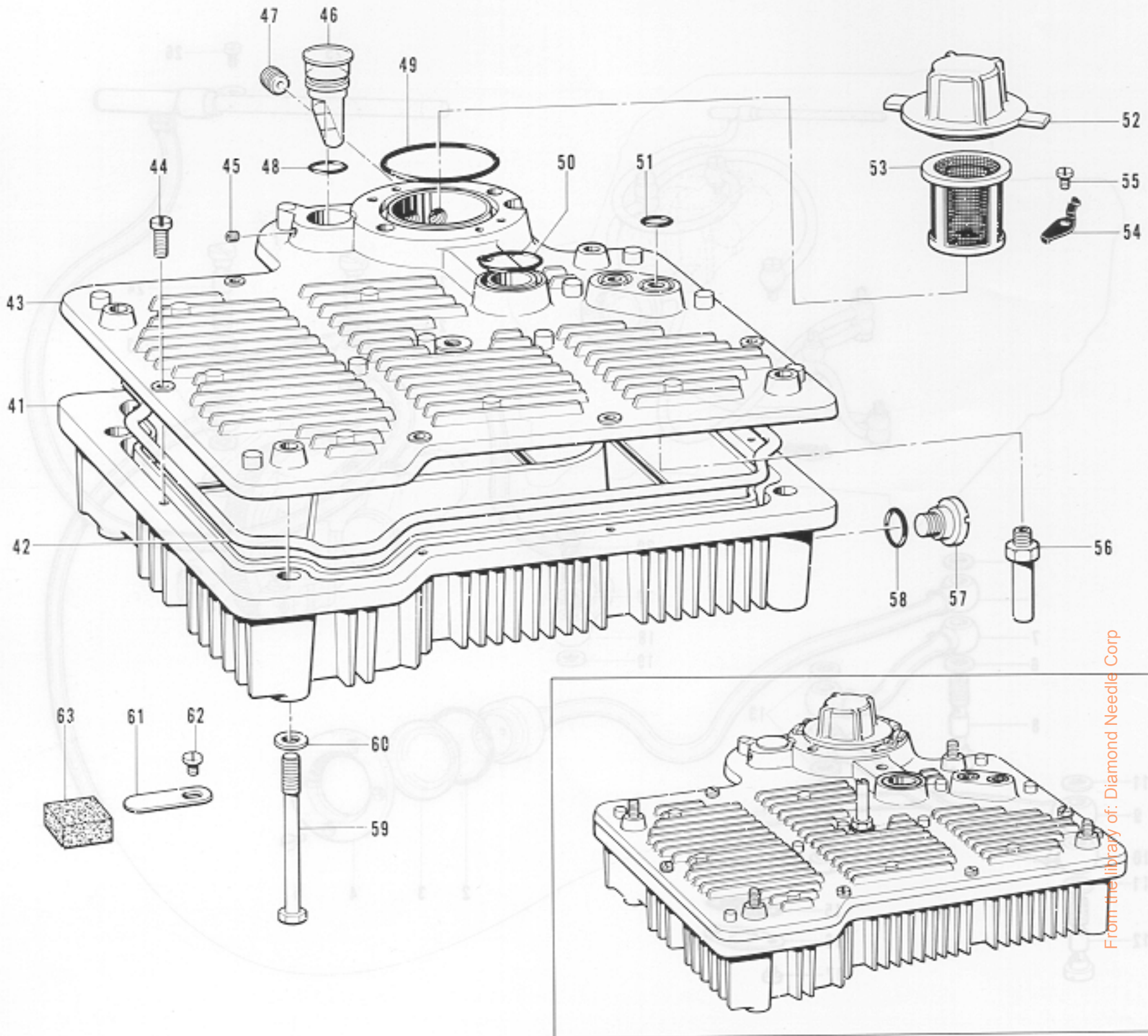
K. Lubrication (1)



From the library of Diamond Needle Corp

| Ref. No. | Name of Parts | Q'ty | Parts No. | Assembly No. | Ref. No. | Name of Parts | Q'ty | Parts No. | Assembly No. |
|----------|--------------------|------|-------------|--------------|----------|-------------------|------|-------------|--------------|
| K- 1 | Pilot-Light Gauge | 1 | 155286-0-01 | | K-14 | Oil Feeding Pipe | 1 | 112364-0-01 | |
| K- 2 | "O" Ring | 1 | 081022-0-70 | | K-15 | Oil Filter | 1 | 155294-0-00 | |
| K- 3 | Pilot-Light Lens | 1 | 155290-0-00 | | K-16 | Oil Filter Flange | 1 | 155295-0-01 | |
| K- 4 | Lens Presser Plate | 1 | 155291-0-01 | | K-17 | Screw 3.57 x 5 | 2 | 009670-5-12 | |
| K- 5 | Screw 3.57 | 4 | 102538-0-02 | | K-18 | Tube Assembly | 1 | 155292-0-01 | |
| K- 6 | Packing | 2 | 112348-0-01 | | K-19 | Packing | 2 | 112348-0-01 | |
| K- 7 | Vinyl Tube | 1 | 155284-0-01 | | K-20 | Oil Feeding Pipe | 1 | 112359-0-01 | |
| K- 8 | Oil Feeding Pipe | 1 | 112364-0-01 | | K-21 | Packing | 2 | 112348-0-01 | |
| K- 9 | Vinyl Tube | 1 | 156469-0-01 | | K-22 | Oil Feeding Pipe | 1 | 112359-0-01 | |
| K-10 | Vinyl Tube | 1 | 155282-0-01 | | K-23 | Packing | 2 | 112348-0-01 | |
| K-11 | Packing | 2 | 112348-0-01 | | K-24 | Oil Feeding Pipe | 1 | 112364-0-01 | |
| K-12 | Oil Feeding Pipe | 1 | 112364-0-01 | | K-25 | Main Oil Pipe | 1 | 156460-0-01 | |
| K-13 | Packing | 2 | 112348-0-01 | | K-26 | Screw 3.57 x 6 | 1 | 009670-6-12 | |

K. Lubrication (2)

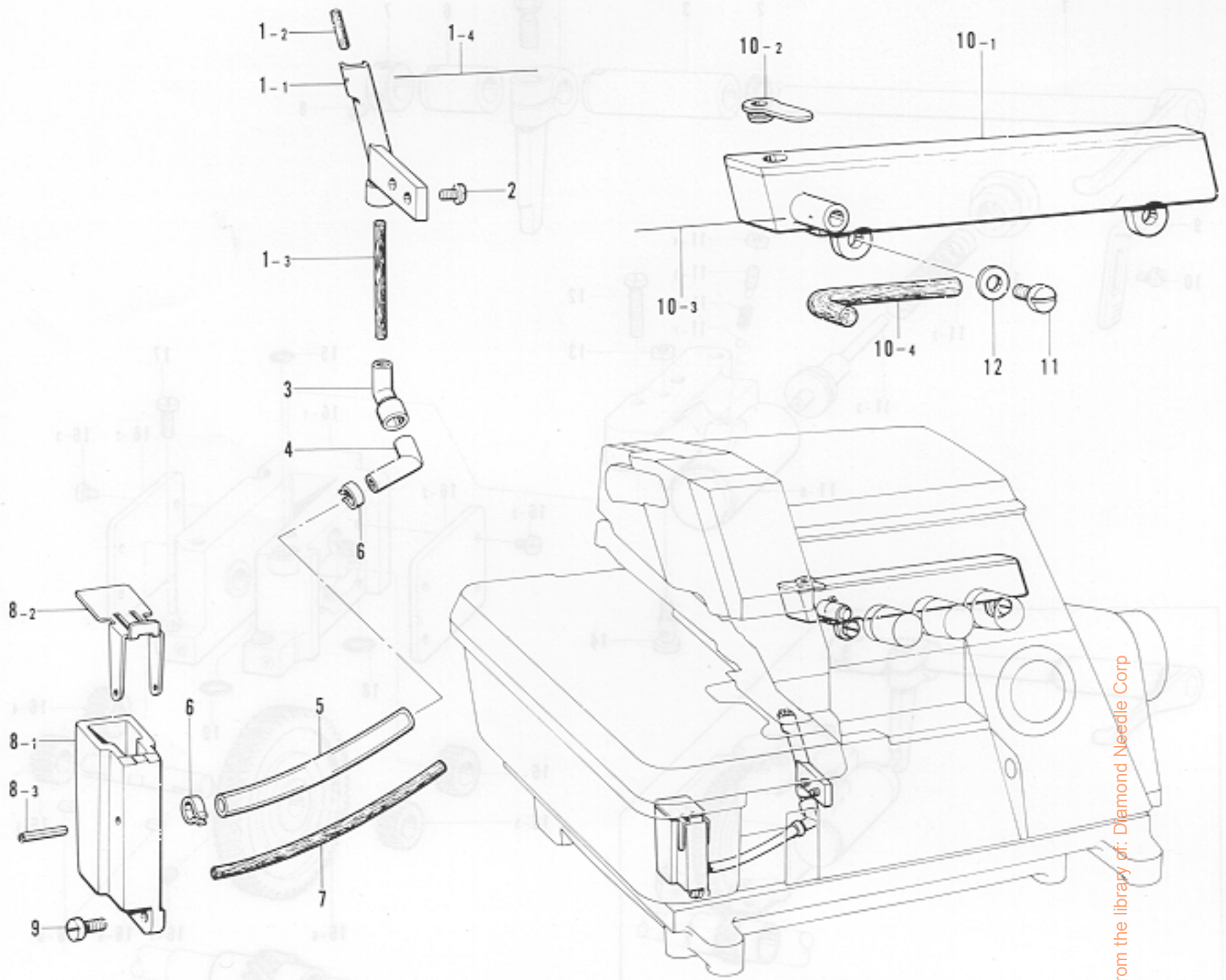


From the library of: Diamond Needle Corp

| Ref. No. | Name of Parts | Q'ty | Parts No. | Assembly No. | Ref. No. | Name of Parts | Q'ty | Parts No. | Assembly No. |
|----------|--------------------|------|-------------|--------------|----------|--------------------|------|-------------|--------------|
| K-1 | Oil Gauge | 1 | 155301-0-01 | | K-1 | Oil Gauge | 1 | 155301-0-01 | |
| K-2 | "O" Ring | 1 | 081016-0-70 | | K-2 | "O" Ring | 1 | 081016-0-70 | |
| K-3 | Post-Light Lens | 1 | 155298-0-00 | | K-3 | Post-Light Lens | 1 | 155298-0-00 | |
| K-4 | Low Pressure Valve | 1 | 155291-0-01 | | K-4 | Low Pressure Valve | 1 | 155291-0-01 | |
| K-5 | Screw 3.57 | 1 | 009670-6-12 | | K-5 | Screw 3.57 | 1 | 009670-6-12 | |
| K-6 | Packing | 1 | 109203-0-01 | | K-6 | Packing | 1 | 109203-0-01 | |
| K-7 | Valve Tube | 1 | 155302-0-01 | | K-7 | Valve Tube | 1 | 155302-0-01 | |
| K-8 | Oil Feeding Pipe | 1 | 155297-0-00 | | K-8 | Oil Feeding Pipe | 1 | 155297-0-00 | |
| K-9 | Valve Tube | 1 | 155303-0-01 | | K-9 | Valve Tube | 1 | 155303-0-01 | |

| Ref. No. | Name of Parts | Q'ty | Parts No. | Assembly No. | Ref. No. | Name of Parts | Q'ty | Parts No. | Assembly No. |
|----------|-----------------|------|-------------|--------------|----------|-----------------|------|-------------|--------------|
| K-41 | Oil Tank | 1 | 155296-0-00 | | K-53 | Oil Filter | 1 | 155299-0-00 | |
| K-42 | Packing | 1 | 155297-0-00 | | K-54 | Spring | 2 | 144874-0-01 | |
| K-43 | Oil Tank Cover | 1 | 155298-0-00 | | K-55 | Screw 3.57 x 6 | 2 | 009670-6-12 | |
| K-44 | Screw 4.37 x 12 | 7 | 009681-2-12 | | K-56 | Pipe | 3 | 155302-0-01 | |
| K-45 | Screw 7.94 | 2 | 014821-0-22 | | K-57 | Stud Screw 9.52 | 1 | 110641-0-01 | |
| K-46 | Oil Gauge | 1 | 155301-0-01 | | K-58 | Packing | 1 | 109203-0-01 | |
| K-47 | Screw 3.57 | 1 | 148294-0-01 | | K-59 | Bolt 6 x 65 | 4 | 155303-0-01 | |
| K-48 | "O" Ring | 1 | 081016-0-70 | | K-60 | Washer | 4 | 118735-0-02 | |
| K-49 | "O" Ring | 1 | 081044-0-70 | | K-61 | Plate Spring | 2 | 152936-0-01 | |
| K-50 | "O" Ring | 1 | 081022-0-70 | | K-62 | Screw 3.57 x 6 | 2 | 009670-6-12 | |
| K-51 | "O" Ring | 2 | 081011-0-70 | | K-63 | Magnet | 2 | 112525-0-00 | |
| K-52 | Oil Tank Cap | 1 | 155300-0-00 | | | | | | |

L. Needle Cooler

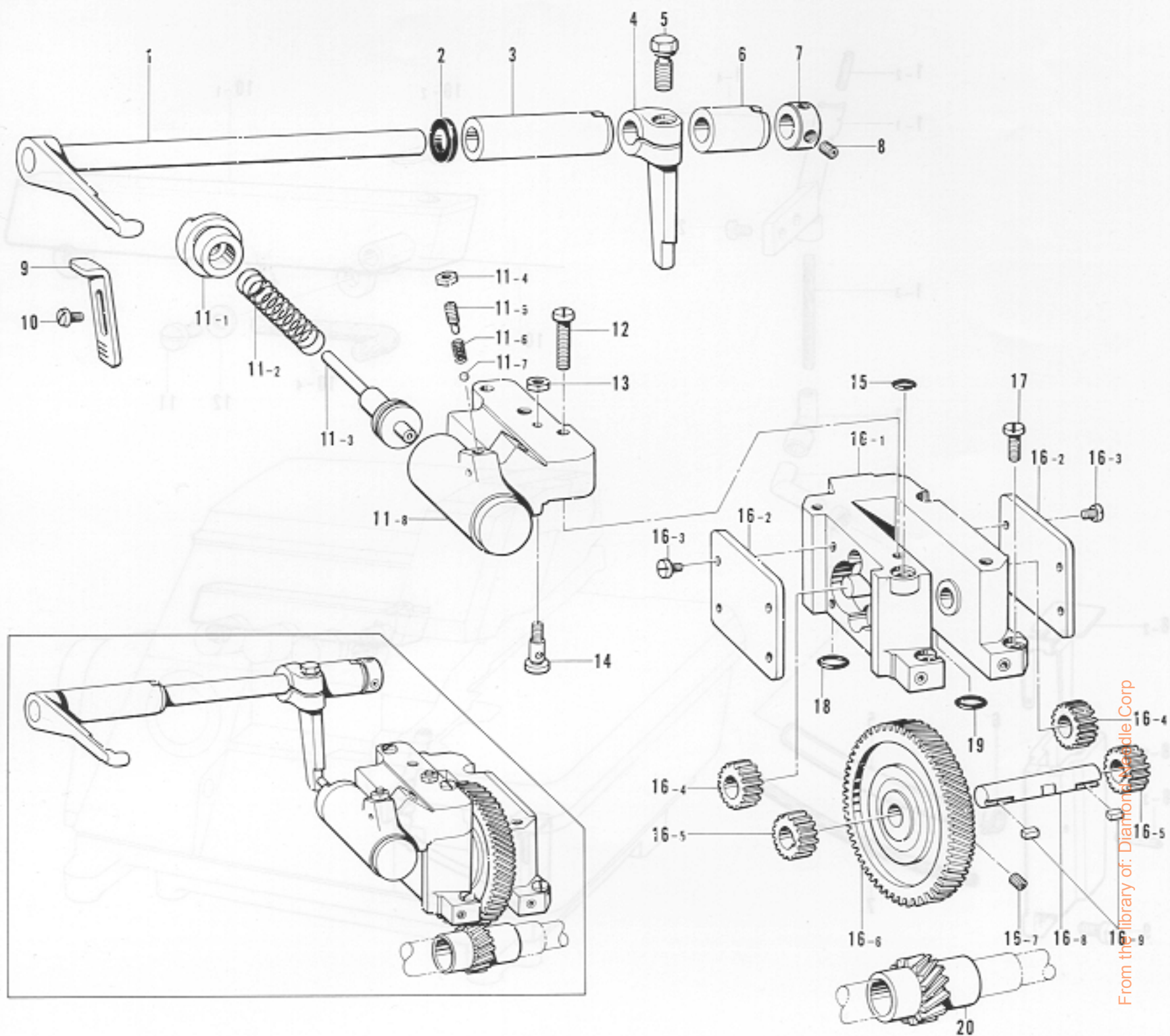


From the library of: Diamond Needle Corp

| Ref. No. | Name of Parts | Q'ty | Parts No. | Assembly No. | Ref. No. | Name of Parts | Q'ty | Parts No. | Assembly No. |
|----------|----------------|------|-------------|---|---------------------------------|--------------------------|-------------|---|---|
| L- 1-1 | Felt Supporter | 1 | 154931-0-00 | L-1 Felt Holder Assembly 154930-0-01 | L- 8-1 | Needle Cooler Tank | 1 | | L-8 Needle Cooler Assembly 154943-0-01 |
| L- 1-2 | Felt (S) | 1 | 146740-0-00 | | L- 8-2 | Needle Cooler Tank Cover | 1 | 154945-0-01 | |
| L- 1-3 | Felt | 1 | 154932-0-00 | | L- 8-3 | Pin | 1 | 047201-6-40 | |
| L- 1-4 | Steel Wire | 1 | 147738-0-00 | | L- 9 | Screw 3.57 x 10 | 2 | 009671-0-12 | |
| L- 2 | Screw 3.57 | 2 | 100257-0-10 | L-10-1 | Needle Thread Cooler Tank | 1 | | L-10 Needle Thread Cooler Assembly 154924-0-01 | |
| L- 3 | Pipe Joint (A) | 1 | 154939-0-00 | L-10-2 | Needle Thread Cooler Tank Cover | 1 | 154928-0-00 | | |
| L- 4 | Pipe Joint (B) | 1 | 154940-0-00 | L-10-3 | Steel Wire | 1 | 147738-0-00 | | |
| L- 5 | Vinyl Tube | 1 | 154942-0-00 | L-10-4 | Felt | 1 | 154929-0-00 | | |
| L- 6 | Stop Ring | 2 | 147942-0-01 | L-11 | Screw 4.37 x 7 | 2 | 009680-7-12 | | |
| L- 7 | Felt | 1 | 154941-0-00 | L-12 | Washer | 2 | 110735-0-02 | | |

M. Auto Presser Mechanism

Needle Cooler

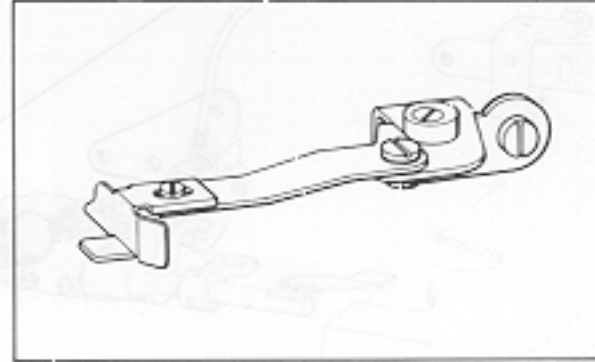
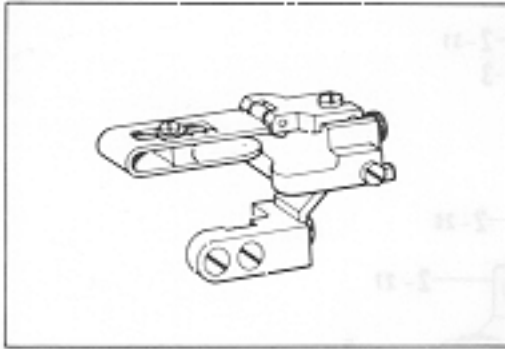
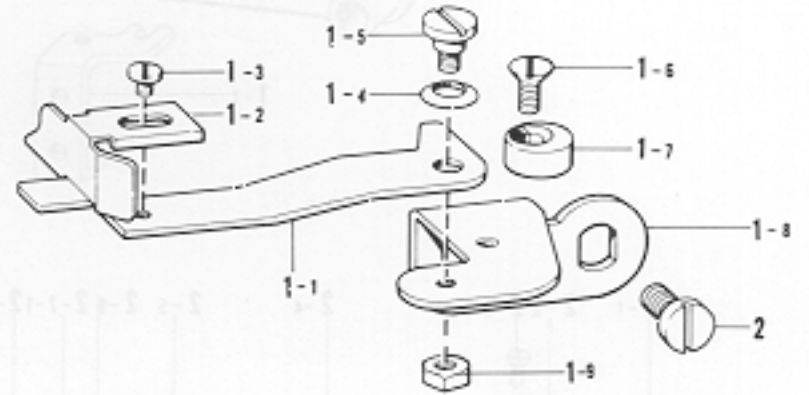
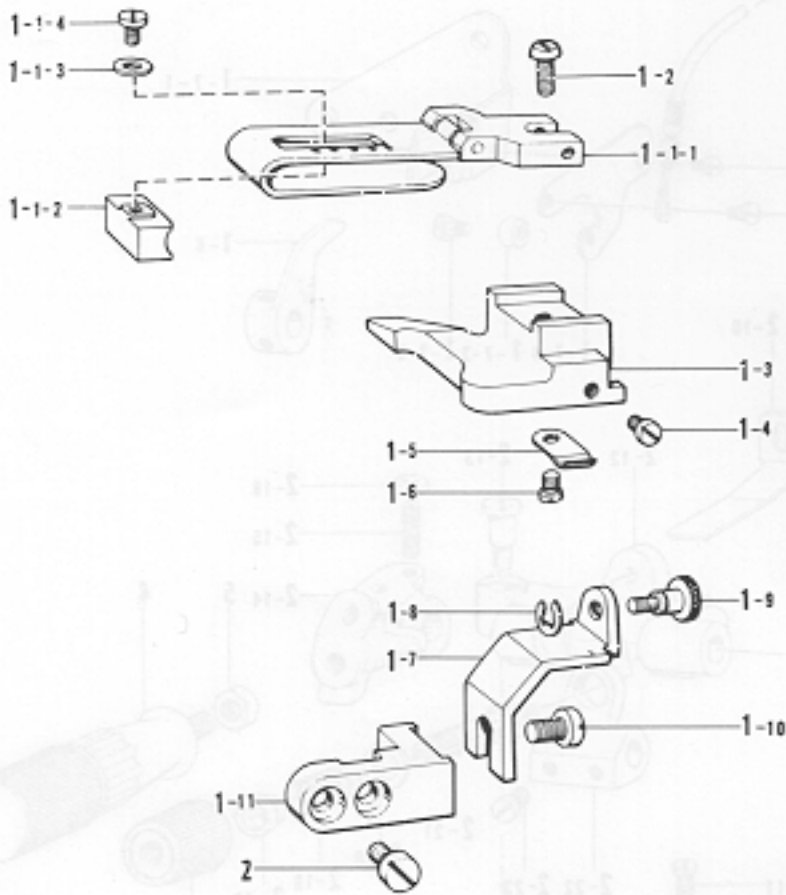


From the library of: Diamond Needle Corp

| Ref. No. | Name of Parts | Q'ty | Parts No. | Assembly No. | Ref. No. | Name of Parts | Q'ty | Parts No. | Assembly No. |
|----------|-------------------------------|------|-------------|---|----------|-----------------|------|-------------|--------------------------------------|
| M- 1 | Auto Presser Arm | 1 | 155223-0-01 | | M-12 | Screw 4.37 x 18 | 2 | 009681-8-12 | |
| M- 2 | Seal | 1 | 155539-0-00 | | M-13 | Nut | 1 | 021670-2-02 | |
| M- 3 | Bushing (L) | 1 | 155219-0-00 | | M-14 | Oil Adjustor | 1 | 156459-0-01 | |
| M- 4 | Auto Presser Lever | 1 | 155222-0-01 | | M-15 | "O" Ring | 1 | 081006-0-70 | |
| M- 5 | Bolt 6.35 x 16 | 1 | 149170-0-01 | | M-16-1 | Pump Case | 1 | | |
| M- 6 | Bushing (R) | 1 | 155220-0-00 | | M-16-2 | Pump Cover | 2 | 156430-0-01 | |
| M- 7 | Set Collar | 1 | 110197-0-01 | | M-16-3 | Screw 3.57 x 6 | 8 | 009670-6-12 | |
| M- 8 | Screw 4.37 | 2 | 014680-4-22 | | M-16-4 | Pump Gear F | 2 | 156425-0-00 | M-16 Pump Assembly 156420-0-01 |
| M- 9 | Auto Presser Arm Stopper | 1 | 155224-0-01 | | M-16-5 | Pump Gear D | 2 | 156426-0-00 | |
| M-10 | Screw 3.57 x 6 | 2 | 001670-6-12 | | M-16-6 | Gear L | 1 | 156428-0-00 | |
| M-11-1 | Auto Presser Cylinder Cover B | 1 | 156438-0-00 | M-11 Auto Presser Cylinder Assembly 156436-0-01 | M-16-7 | Screw 4.37 | 2 | 014680-6-22 | |
| M-11-2 | Spring | 1 | 155218-0-01 | | M-16-8 | Gear L Shaft | 1 | 156427-0-01 | |
| M-11-3 | Piston | 1 | 155217-0-01 | | M-16-9 | Key | 2 | 156429-0-01 | |
| M-11-4 | Nut | 1 | 021670-2-02 | | M-17 | Screw 4.37 x 12 | 4 | 009681-2-12 | |
| M-11-5 | Adjusting Screw | 1 | 156183-0-01 | | M-18 | "O" Ring | 2 | 081008-0-70 | |
| M-11-6 | Spring | 1 | 120833-0-01 | | M-19 | "O" Ring | 2 | 081008-0-70 | |
| M-11-7 | Steel Ball | 1 | 071023-8-50 | | M-20 | Gear S | 1 | 156432-0-01 | |
| M-11-8 | Auto Presser Cylinder Body | 1 | | | | | | | |

N. Blind Stitch Hemming

P. Serging

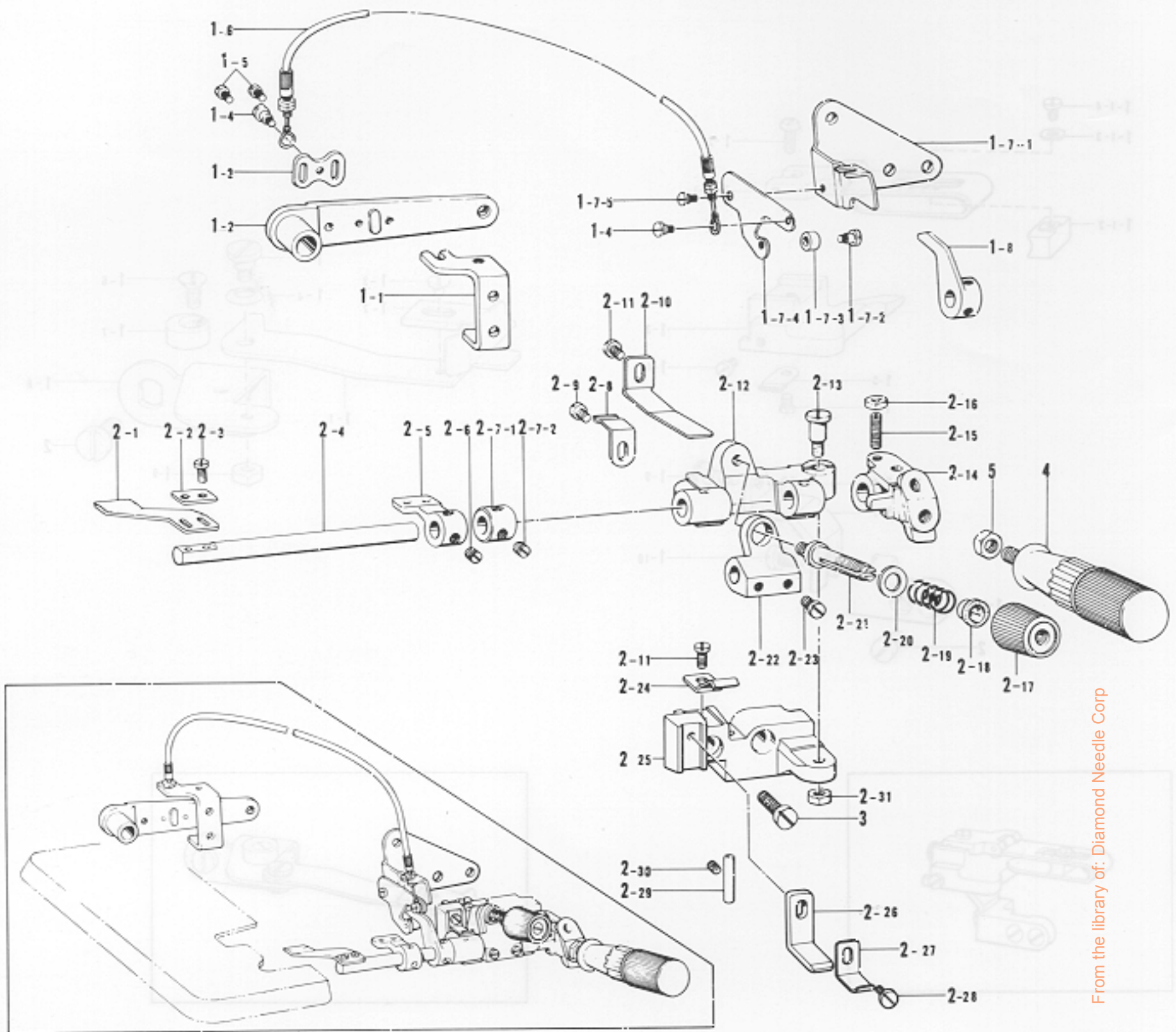


From the library of: Diamond Needle Corp

| Ref. No. | Name of Parts | Q'ty | Parts No. | Assembly No. |
|----------|---|------|-------------|--|
| N-1- 1-1 | Blind Hemming Ruler A | 1 | | N-1-1 |
| N-1- 1-2 | Blind Hemming Ruler Adjuster | 1 | 150339-0-01 | Blind Hemming Ruler A Assembly 151173-0-01 |
| N-1- 1-3 | Washer | 1 | 025030-2-32 | |
| N-1- 1-4 | Screw 3.18 x 4 | 1 | 009660-4-12 | |
| N-1- 2 | Screw 3.57 x 6 | 1 | 001670-6-14 | |
| N-1- 3 | Blind Hemming Ruler B | 1 | | |
| N-1- 4 | Screw 3.57 | 1 | 111443-0-01 | |
| N-1- 5 | Flat Spring | 1 | 147713-0-01 | |
| N-1- 6 | Screw | 1 | 009679-3-12 | |
| N-1- 7 | Blind Hemming Ruler Fitting Holder | 1 | 147712-0-01 | N-1 Blind Hemming Ruler Assembly 147710-0-01 |
| N-1- 8 | Stop Ring | 1 | 048030-3-42 | |
| N-1- 9 | Adjusting Screw | 1 | 146759-0-01 | |
| N-1-10 | Screw 4.37 x 7 | 1 | 009680-7-12 | |
| N-1-11 | Supporter for Blind Hemming Ruler Fitting | 1 | 146760-0-01 | |
| N-2 | Screw 3.57 x 6 | 2 | 009670-6-12 | |

| Ref. No. | Name of Parts | Q'ty | Parts No. | Assembly No. |
|----------|----------------------|------|-------------|-------------------------------------|
| P-1-1 | Edge Guide Set Plate | 1 | 146596-0-01 | |
| P-1-2 | Edge Guide | 1 | 146762-0-01 | |
| P-1-3 | Screw 3.57 x 3.5 | 1 | 009679-3-12 | |
| P-1-4 | Spring Washer | 1 | 146598-0-01 | |
| P-1-5 | Stud Screw | 1 | 146597-1-01 | P-1 Edge Guide Assembly 146761-0-01 |
| P-1-6 | Screw 4.76 x 8 | 1 | 005710-8-12 | |
| P-1-7 | Presser Arm Stopper | 1 | 144088-0-01 | |
| P-1-8 | Edge Guide Supporter | 1 | 146599-0-01 | |
| P-1-9 | Nut | 1 | 021680-2-02 | |
| P-2 | Screw | 2 | 110201-0-01 | |

Q. Ruffler interlocking Parts Assembly and Ruffling Attachment Assembly (1)

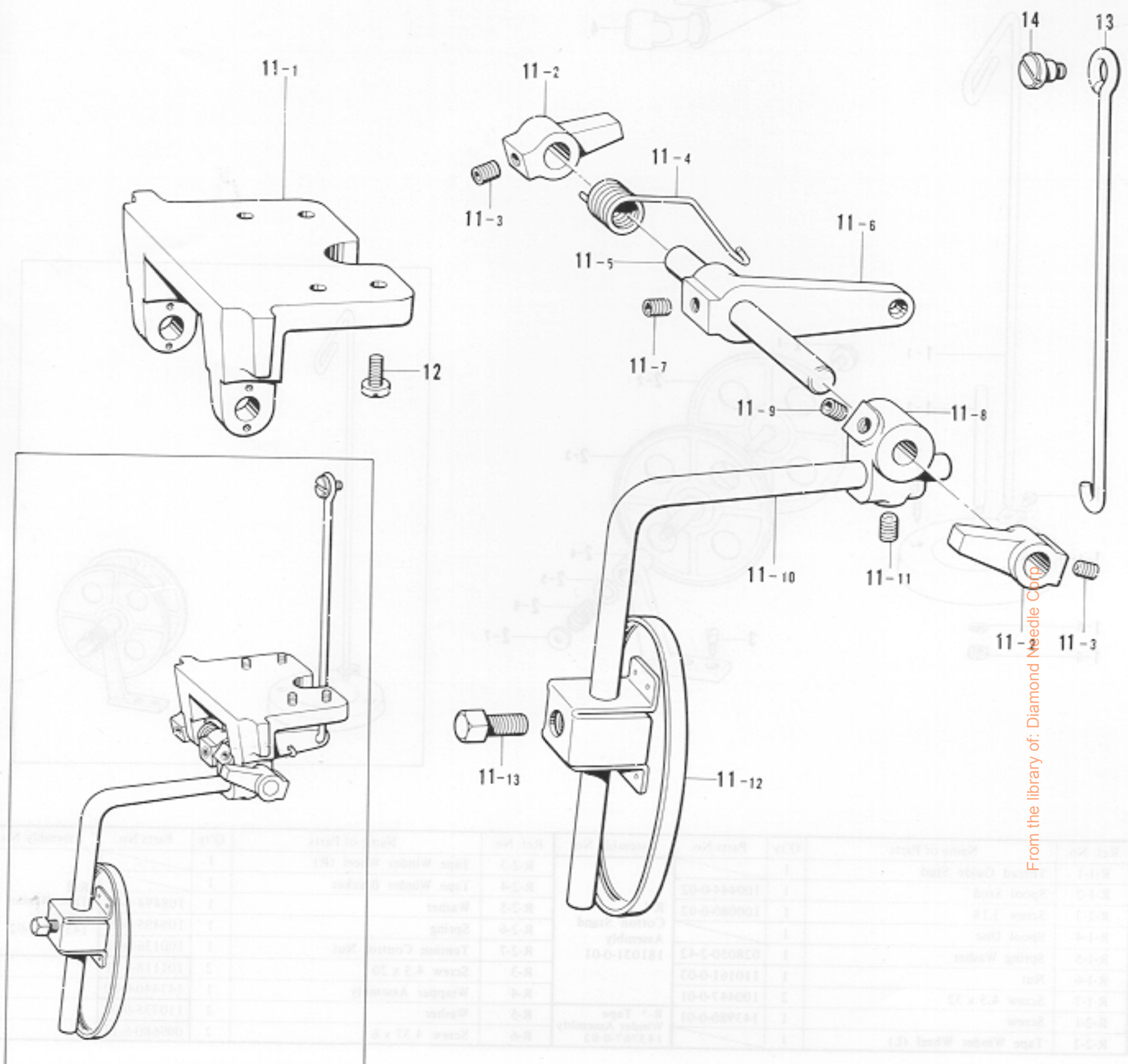


From the library of: Diamond Needle Corp

| Ref. No. | Name of Parts | Q'ty | Parts No. | Assembly No. | Ref. No. | Name of Parts | Q'ty | Parts No. | Assembly No. |
|----------|-----------------------------------|------|-------------|---|------------------------------------|----------------------------|-------------|-------------|--|
| Q-1-1 | Lever Adjuster Plate | 1 | 147454-0-01 | Q-1 Ruffler Interlocking Parts Assembly 155547-0-02 | Q-2-11 | Screw 4.37 x 6 | 2 | 009680-6-12 | Q-2 Ruffling Attachment Assembly 146587-1-02 |
| Q-1-2 | Presser Foot Lifter Lever | 1 | 148369-1-01 | | Q-2-12 | Bracket for Ruffling Blade | 1 | 146588-0-01 | |
| Q-1-3 | Wire Plate | 1 | 147672-0-01 | | Q-2-13 | Stud Screw 5.95 | 1 | 147933-0-01 | |
| Q-1-4 | Screw | 2 | 141514-0-01 | | Q-2-14 | Handle Fixing Plate | 1 | 145810-0-01 | |
| Q-1-5 | Screw 3.57 x 6 | 2 | 009670-6-12 | | Q-2-15 | Screw 4.37 | 1 | 110230-0-01 | |
| Q-1-6 | Flexible Wire Assembly | 1 | 148391-0-01 | | Q-2-16 | Nut 4.37 | 1 | 105234-0-03 | |
| Q-1-7-1 | Presser Foot Lifter Lever Support | 1 | 155330-0-01 | Q-2-17 | Thread Tension Adjusting Nut | 1 | 149566-0-02 | | |
| Q-1-7-2 | Stud Screw 3.18 | 1 | 112301-0-01 | Q-2-18 | Tension Spring Washer | 1 | 144105-0-00 | | |
| Q-1-7-3 | Roller | 1 | 148390-0-01 | Q-2-19 | Spring | 1 | 144788-0-01 | | |
| Q-1-7-4 | Ruffling Plate Lifter Lever | 1 | 148388-0-01 | Q-2-20 | Washer | 1 | 025770-2-32 | | |
| Q-1-7-5 | Screw | 1 | 141514-0-01 | Q-2-21 | Looper Thread Tension Control Stud | 1 | 110820-0-01 | | |
| Q-1-8 | Ruffling Plate Lifter | 1 | 148387-0-01 | Q-2-22 | Spring Base | 1 | 146590-0-01 | | |
| Q-2-1 | Ruffling Blade | 1 | 144783-0-01 | Q-2-23 | Screw 5.95 | 2 | 105163-0-01 | | |
| Q-2-2 | Washer | 1 | 144784-0-01 | Q-2-24 | Spring Plate | 1 | 145808-0-01 | | |
| Q-2-3 | Screw 3.18 x 7 | 2 | 009660-7-12 | Q-2-25 | Ruffling Base | 1 | | | |
| Q-2-4 | Ruffling Blade Base Shaft | 1 | 145803-0-01 | Q-2-26 | Ruffling Blade Guide Plate | 1 | 154795-0-01 | | |
| Q-2-5 | Wrapper Base | 1 | 146589-0-01 | Q-2-27 | Ruffling Blade Guide | 1 | 145807-0-01 | | |
| Q-2-6 | Screw 6.35 | 2 | 101706-0-01 | Q-2-28 | Screw 4.37 x 8 | 1 | 009680-8-12 | | |
| Q-2-7-1 | Set Collar | 1 | | Q-2-29 | Thread Guide Pipe | 1 | 146592-0-01 | | |
| Q-2-7-2 | Screw 6.35 | 2 | 101706-0-01 | Q-2-30 | Screw 3.57 | 1 | 013679-4-12 | | |
| Q-2-8 | Spring | 1 | 144764-0-01 | Q-2-31 | Nut | 1 | 150553-0-02 | | |
| Q-2-9 | Screw 3.57 x 5 | 1 | 001670-5-12 | Q-3 | Screw 6.35 x 18 | 2 | 009781-8-12 | | |
| Q-2-10 | Spring Plate | 1 | 145811-0-01 | Q-4 | Handle | 1 | 145809-0-01 | | |
| | | | | Q-5 | Nut 6.35 | 1 | 150556-0-02 | | |

Q. Differential Adjuster Assembly (2)

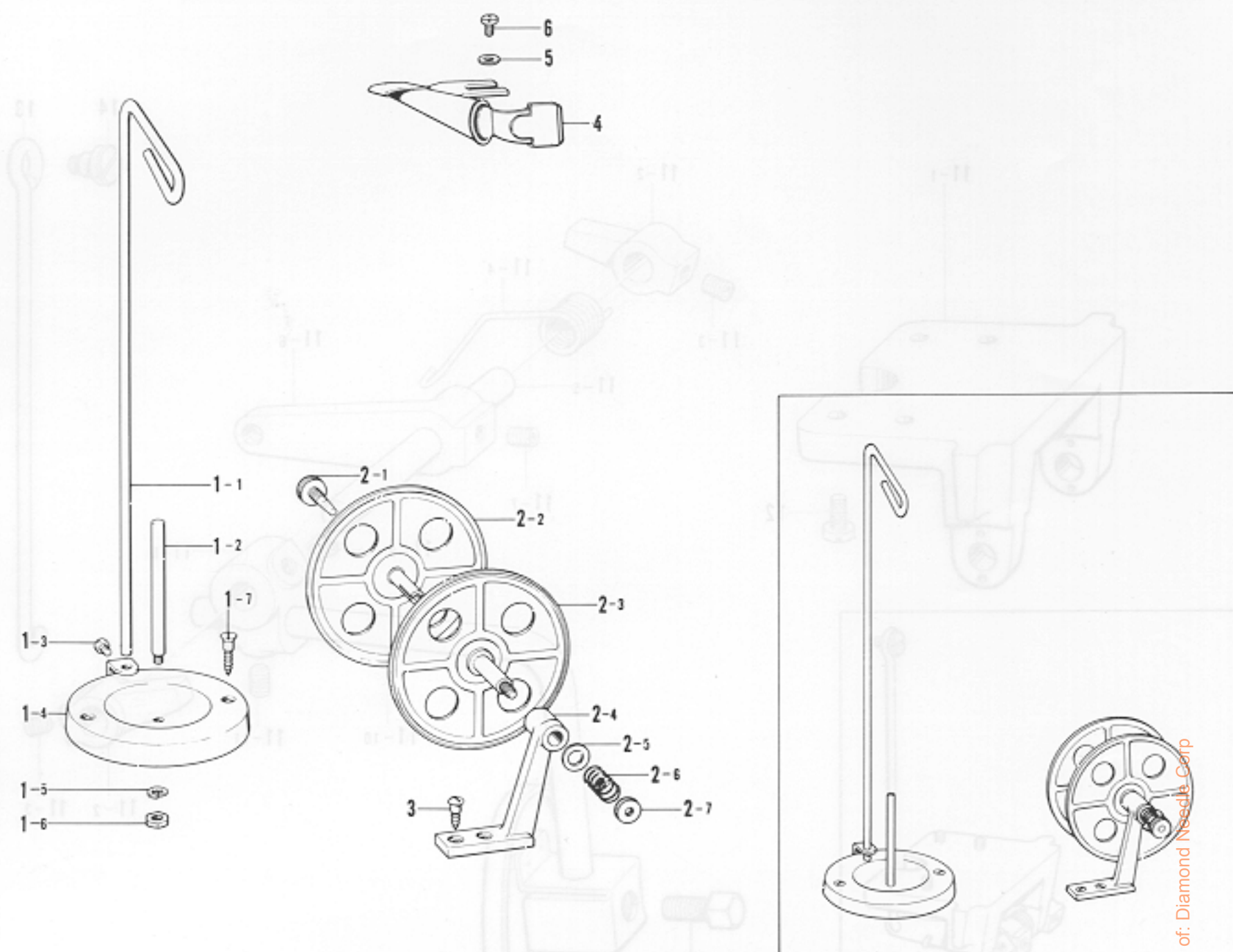
R. Wrapper and Piping Parts



| Ref. No. | Name of Parts | Q'ty | Parts No. | Assembly No. |
|----------|---------------------------|------|-------------|---|
| Q-11-1 | Knee Lifter Shaft Bracket | 1 | 155197-0-01 | Q-11 Knee Lifter Shaft Bracket Assembly 155196-0-01 |
| Q-11-2 | Collar | 2 | 155203-0-01 | |
| Q-11-3 | Screw 6.35 | 2 | 014780-6-22 | |
| Q-11-4 | Spring | 1 | 155202-0-01 | |
| Q-11-5 | Knee Lifter Shaft | 1 | 155198-0-01 | |
| Q-11-6 | Knee Lifter Lever | 1 | 155201-0-01 | |
| Q-11-7 | Screw 6.35 | 1 | 014780-6-22 | |
| Q-11-8 | Knee Lifter Bracket | 1 | 155199-0-01 | |
| Q-11-9 | Screw 6.35 | 1 | 014780-6-22 | |
| Q-11-10 | Knee Lifter Bar (S) | 1 | 148797-0-01 | |
| Q-11-11 | Screw 6.35 | 1 | 014780-6-22 | |
| Q-11-12 | Knee Lifter Plate (L) | 1 | 148798-0-01 | |
| Q-11-13 | Bolt 7.94 | 1 | 100463-0-01 | |
| Q-12 | Screw 4.37 x 10 | 4 | 009681-0-12 | |
| Q-13 | Connecting Bar | 1 | 155205-0-01 | |
| Q-14 | Stud Screw 4.76 | 1 | 146594-0-01 | |

| Ref. No. | Name of Parts | Q'ty | Parts No. | Assembly No. |
|----------|---------------------------|------|-------------|---|
| Q-11- 1 | Knee Lifter Shaft Bracket | 1 | 155197-0-01 | Q-11 Knee Lifter Shaft Bracket Assembly 155196-0-01 |
| Q-11- 2 | Collar | 2 | 155203-0-01 | |
| Q-11- 3 | Screw 6.35 | 2 | 014780-6-22 | |
| Q-11- 4 | Spring | 1 | 155202-0-01 | |
| Q-11- 5 | Knee Lifter Shaft | 1 | 155198-0-01 | |
| Q-11- 6 | Knee Lifter Lever | 1 | 155201-0-01 | |
| Q-11- 7 | Screw 6.35 | 1 | 014780-6-22 | |
| Q-11- 8 | Knee Lifter Bracket | 1 | 155199-0-01 | |
| Q-11- 9 | Screw 6.35 | 1 | 014780-6-22 | |
| Q-11-10 | Knee Lifter Bar (S) | 1 | 148797-0-01 | |
| Q-11-11 | Screw 6.35 | 1 | 014780-6-22 | |
| Q-11-12 | Knee Lifter Plate (L) | 1 | 148798-0-01 | |
| Q-11-13 | Bolt 7.94 | 1 | 100463-0-01 | |
| Q-12 | Screw 4.37 x 10 | 4 | 009681-0-12 | |
| Q-13 | Connecting Bar | 1 | 155205-0-01 | |
| Q-14 | Stud Screw 4.76 | 1 | 146594-0-01 | |

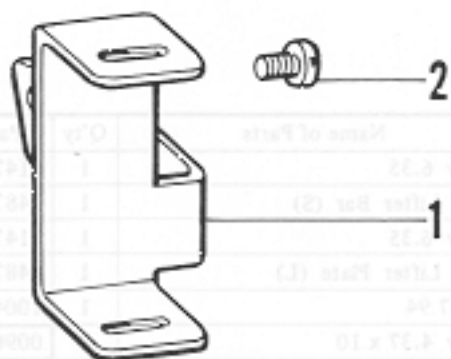
R. Wrapper and Piping Parts



| Ref. No. | Name of Parts | Q'ty | Parts No. | Assembly No. | Ref. No. | Name of Parts | Q'ty | Parts No. | Assembly No. |
|----------|-----------------------|------|-------------|--|----------------|-----------------------|-------------|-------------|---|
| R-1-1 | Thread Guide Stud | 1 | | R-1 Cotton Stand Assembly 181031-0-01 | R-2-3 | Tape Winder Wheel (R) | 1 | | R-2 Tape Winder Assembly 143767-0-02 |
| R-1-2 | Spool Stud | 1 | 100444-0-02 | | R-2-4 | Tape Winder Bracket | 1 | | |
| R-1-3 | Screw 3.18 | 1 | 100080-0-02 | | R-2-5 | Washer | 1 | 108494-0-01 | |
| R-1-4 | Spool Disc | 1 | | | R-2-6 | Spring | 1 | 108495-0-01 | |
| R-1-5 | Spring Washer | 1 | 028050-2-42 | | R-2-7 | Tension Control Nut | 1 | 100136-0-01 | |
| R-1-6 | Nut | 1 | 110161-0-03 | | R-3 | Screw 4.5 x 20 | 2 | 101118-0-01 | |
| R-1-7 | Screw 4.5 x 32 | 2 | 100447-0-01 | | R-4 | Wrapper Assembly | 1 | 147440-0-00 | |
| R-2-1 | Screw | 1 | 143980-0-01 | R-5 | Washer | 2 | 110735-0-02 | | |
| R-2-2 | Tape Winder Wheel (L) | 1 | | R-6 | Screw 4.37 x 6 | 2 | 009680-6-12 | | |

S. Taping

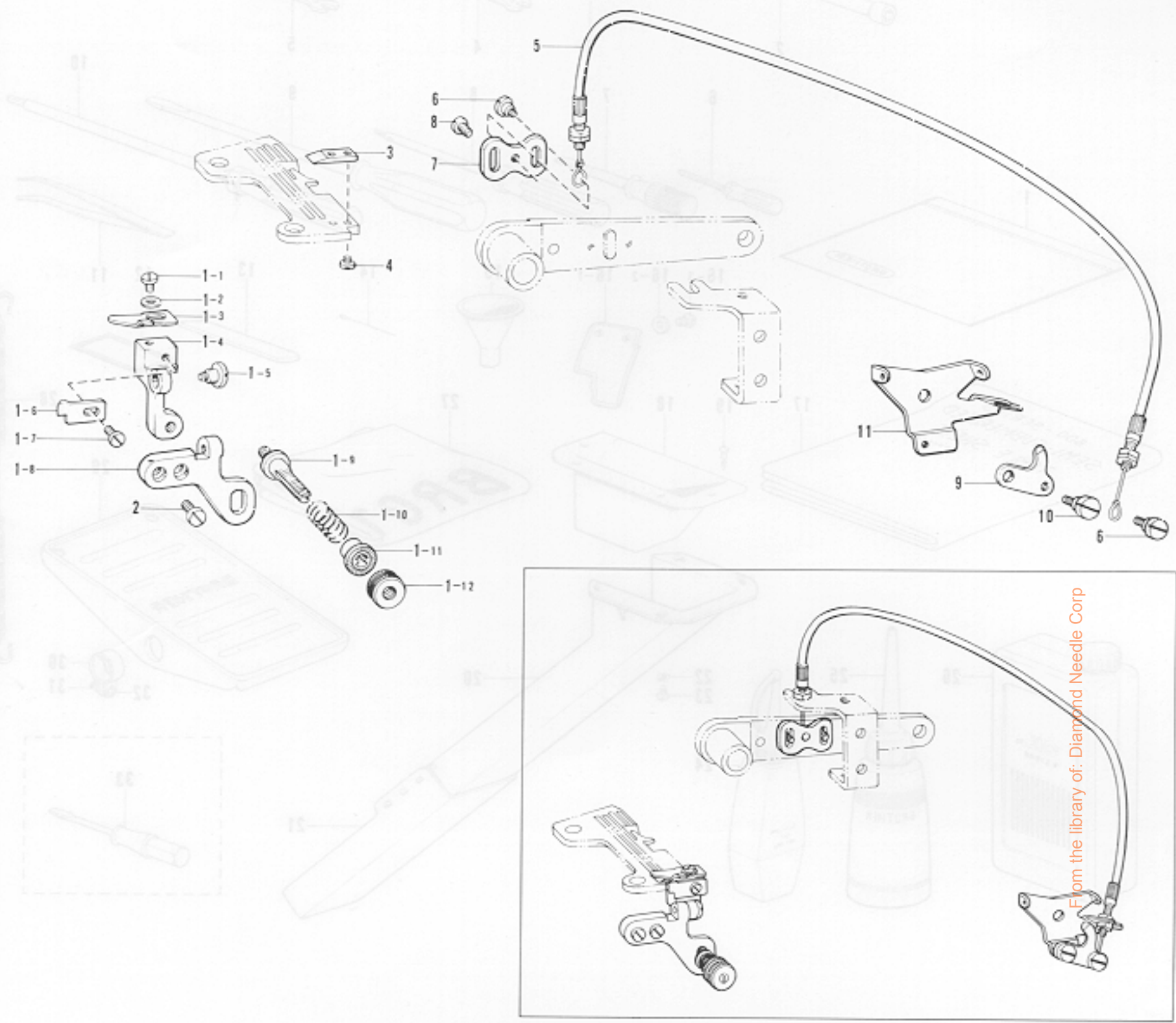
| Ref. No. | Name of Parts | Q'ty | Parts No. | Assembly No. |
|----------|------------------|------|-------------|--------------|
| S-1 | Tape Guide | 1 | 155327-0-01 | |
| S-2 | Screw 3.18 x 4.5 | 2 | 009669-4-12 | |



| Ref. No. | Name of Parts | Q'ty | Parts No. | Assembly No. |
|----------|----------------------------|------|-------------|---|
| Q-11-1 | Knock Lifter Shaft Bracket | 1 | 122193-0-01 | Q-11 Knock Lifter Assembly 122196-0-01 |
| Q-11-2 | Collar | 3 | 122203-0-01 | |
| Q-11-3 | Screw 4.37 | 3 | 014780-6-12 | |
| Q-11-4 | Spring | 1 | 122202-0-01 | |
| Q-11-5 | Knock Lifter Shaft | 1 | 122198-0-01 | |
| Q-11-6 | Knock Lifter Lever | 1 | 122201-0-01 | |
| Q-11-7 | Screw 4.37 | 1 | 014780-6-12 | |
| Q-11-8 | Knock Lifter Bracket | 1 | 122199-0-01 | |
| Q-11-9 | Screw 4.37 | 1 | 122197-0-01 | |
| Q-11-10 | Knock Lifter Bar (R) | 1 | 122204-0-01 | |
| Q-11-11 | Screw 4.37 | 1 | 122205-0-01 | |
| Q-11-12 | Knock Lifter Plate (L) | 1 | 122206-0-01 | |
| Q-11-13 | Ball 7/64 | 1 | 122198-0-01 | |
| Q-12 | Screw 4.37 x 10 | 1 | 122201-0-01 | |
| Q-13 | Connecting Bar | 1 | 122202-0-01 | |
| Q-14 | Stud Screw 4.37 | 1 | 122204-0-01 | |

T. Backtacking

Accessories (1)

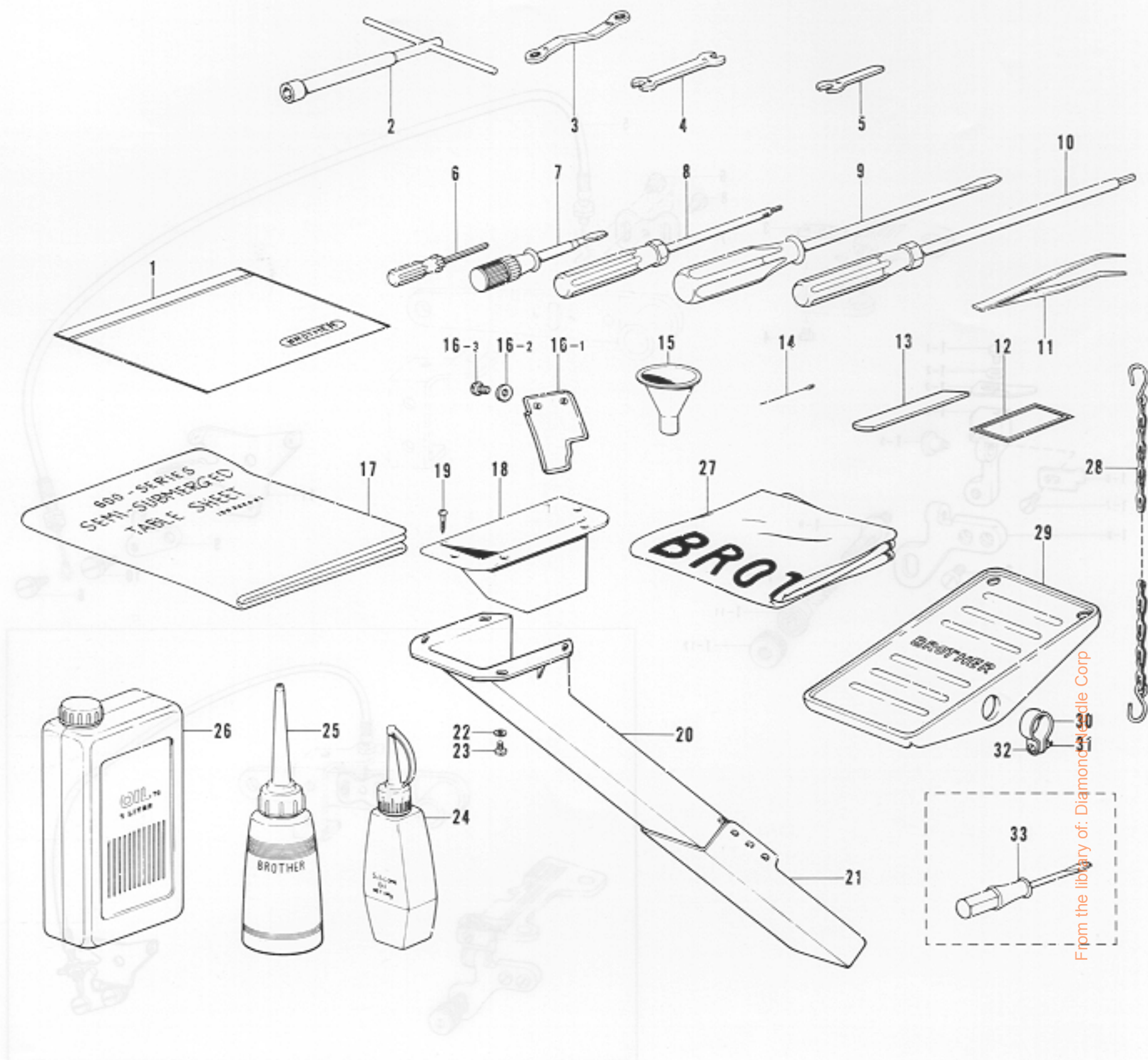


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| Ref. No. | Name of Parts | Q'ty | Parts No. | Assembly No. | Ref. No. | Name of Parts | Q'ty | Parts No. | Assembly No. |
|----------|----------------------------------|------|-------------|--|----------|---------------------------|------|-------------|--------------|
| T- 1- 1 | Screw 3.18 x 4 | 1 | 009660-4-12 | T-1 Back-tack Presser Assembly 147473-0-01 | T- 2 | Screw 3.57 x 6 | 2 | 009670-6-12 | |
| T- 1- 2 | Washer | 1 | 025030-1-32 | | T- 3 | Back-tack Guide | 1 | 147484-0-01 | |
| T- 1- 3 | Back-tack Blade Presser Plate | 1 | 147477-0-01 | | T- 4 | Screw 3.18 | 2 | 141544-0-01 | |
| T- 1- 4 | Back-tack Blade Holder | 1 | | | T- 5 | Flexible Wire Assembly | 1 | 147480-0-01 | |
| T- 1- 5 | Screw 4.37 | 1 | 147476-0-01 | | T- 6 | Screw | 2 | 141514-0-01 | |
| T- 1- 6 | Back-tack Knife | 1 | 147478-0-01 | | T- 7 | Wire Plate | 1 | 147672-0-01 | |
| T- 1- 7 | Screw 3.18 x 4 | 1 | 009660-4-12 | | T- 8 | Screw 3.57 x 6 | 2 | 009670-6-12 | |
| T- 1- 8 | Back-tack Blade Holder Supporter | 1 | | | T- 9 | Thread Release Lever | 1 | 147483-0-01 | |
| T- 1- 9 | Thread Tension Control Stud | 1 | 147148-0-01 | | T-10 | Screw | 1 | 141514-0-01 | |
| T- 1-10 | Spring | 1 | 147479-0-01 | | T-11 | Needle Thread Guide Plate | 1 | 156091-0-01 | |
| T- 1-11 | Tension Spring Washer | 1 | 144105-0-00 | | | | | | |
| T- 1-12 | Thread Tension Adjusting Nut | 1 | 151012-0-01 | | | | | | |

Z. Accessories (1)

T. Backtracking



From the library of: Diamond Needle Corp

| Ref. No. | Name of Parts | Q'ty | Parts No. | Assembly No. | Ref. No. | Name of Parts | Q'ty | Parts No. | Assembly No. |
|----------|-------------------------|------|-------------|-------------------------|----------|-----------------------|------|-------------|--------------|
| Z-1 | Vinyl Bag | | 122991-0-01 | | Z-17 | Table Sheet | | 155322-0-01 | |
| Z-2 | Wrench | | 140342-0-01 | | Z-18 | Duster Drop | | 148430-0-01 | |
| Z-3 | Wrench 8 x 9 | | 105343-0-01 | | Z-19 | Screw 3.1 x 13 | | 031311-3-02 | |
| Z-4 | Spanner 6 x 7 | | 107779-0-01 | | Z-20 | Duster Shoot L | | 148431-0-01 | |
| Z-5 | Spanner 4 | | 155320-0-01 | | Z-21 | Duster Shoot S | | 148432-0-01 | |
| Z-6 | Screw Driver 1.6 | | 144124-0-01 | | Z-22 | Washer | | 025680-2-32 | |
| Z-7 | Screw Driver 3.4 x 70 | | 118837-0-01 | | Z-23 | Screw 4.37 x 10 | | 009681-0-12 | |
| Z-8 | Driver Wrench 2 | | 146700-0-01 | | Z-24 | Silicone Oil | | 142343-0-01 | |
| Z-9 | Screw Driver | | 101572-1-01 | | Z-25 | Oiler | | 114483-0-01 | |
| Z-10 | Screw Driver 3 | | 149173-0-01 | | Z-26 | Oil Tank | | 145277-1-04 | |
| Z-11 | Tweezers | | 117466-0-00 | | Z-27 | Head Cover | | 144225-0-01 | |
| Z-12 | Needle DC x 27 Assembly | | 151474-4- | | Z-28 | Chain Assembly | | 142262-0-01 | |
| Z-13 | Lower | | 155193-0-01 | | Z-29 | Treadle Pedal | | 147893-0-01 | |
| Z-14 | Threader | | 142125-0-00 | | Z-30 | Pedal Stopper | | 116016-0-01 | |
| Z-15 | Funnel | | 140759-0-00 | | Z-31 | Nut 4 | | 021400-1-06 | |
| Z-16-1 | Eye Guard | | | Z-16 Eye Guard Assembly | Z-32 | Screw 4 x 14 | | 001401-4-06 | |
| Z-16-2 | Washer | | 025030-1-32 | 156022-0-01 | Z-33 | Screw Driver 2.3 x 40 | | 148925-0-01 | |
| Z-16-3 | Screw 3.18 x 5 | | 009660-5-12 | | | | | | |

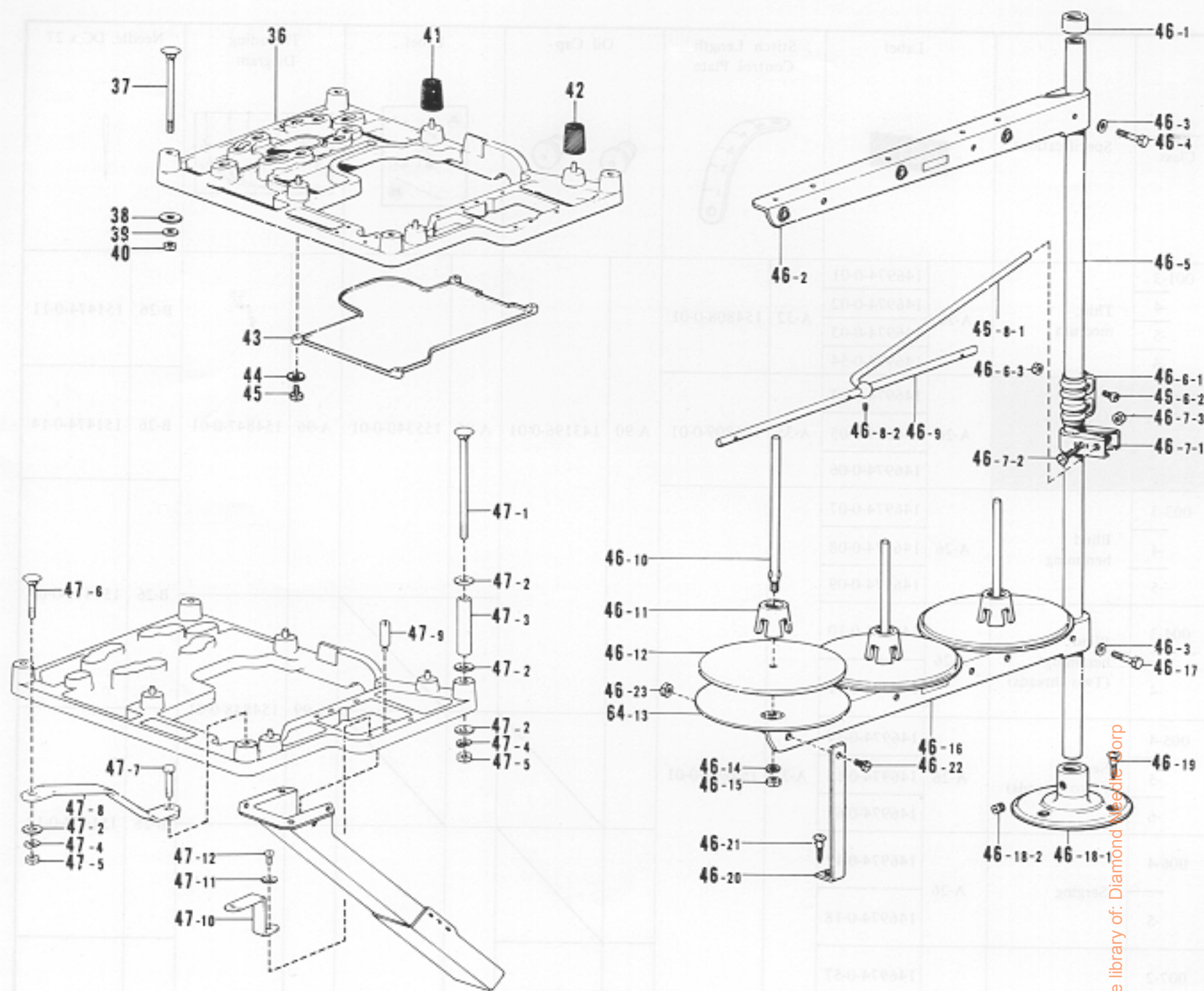
*The details of included accessories are subject to change.

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

*Änderungen in der Aufstellung der mitgelieferten Zubehöre sind vorbehalten.

*Los detalles de los accesorios incluidos pueden variar.

Z. Machine Base Plate and Cotton Stand Assembly (2)



| Ref. No. | Name of Parts | Q'ty | Parts No. | Assembly No. | Ref. No. | Name of Parts | Q'ty | Parts No. | Assembly No. |
|----------|--------------------------|------|-------------|---|------------------------|--------------------------|-------------|--|---|
| Z-36 | Bottom Board | | 155321-0-00 | | Z-46-12 | Spool Mat | | 150182-0-00 | Z-46 Cotton Stand Assembly 150160-0-01 |
| Z-37 | Bolt 8 x 85 | | 210973-0-01 | | Z-46-13 | Spool Stand Base | | 150180-0-00 | |
| Z-38 | Washer 8 | | 025080-2-36 | | Z-46-14 | Spring Washer 2-5 | | 028050-2-43 | |
| Z-39 | Spring Washer 2-8 | | 028080-2-42 | | Z-46-15 | Nut 5 | | 021500-1-03 | |
| Z-40 | Nut | | 021080-1-06 | | Z-46-16 | Spool Holder 3 | | 150175-0-01 | |
| Z-41 | Cushion | | 147919-0-01 | | Z-46-17 | Bolt 5 x 28 | | 017502-8-03 | |
| Z-42 | Cushion | | 147919-0-02 | | Z-46-18-1 | Cotton Stand Base | | 150189-0-01 | |
| Z-43 | Oil Tank Cover | | 155323-0-00 | | Z-46-18-2 | Screw 6 x 10 | | 150181-0-01 | |
| Z-44 | Washer | | 105161-0-03 | | Z-46-19 | Screw 4.5 x 22 | | 031452-2-03 | |
| Z-45 | Screw | | 009671-0-12 | | Z-46-20 | Spool Holder Supporter A | | 150188-0-01 | |
| Z-46-1 | Cap | | 150174-0-00 | Z-46 Cotton Stand Assembly 150160-0-01 | Z-46-21 | Screw 4.5 x 22 | | 031452-2-03 | |
| Z-46-2 | Thread Hanger Assembly | | 147056-0-01 | | Z-46-22 | Screw 5 x 10 | | 007501-0-03 | |
| Z-46-3 | Washer | | 025050-2-33 | | Z-46-23 | Nut 5 | | 021500-1-03 | |
| Z-46-4 | Bolt 5 x 28 | | 017502-8-03 | | Z-47-1 | Bolt | | 153318-0-01 | |
| Z-46-5 | Pipe | | 150172-0-01 | | Z-47-2 | Washer 8 | | 025080-2-36 | |
| Z-46-6-1 | Joint | | | | Z-47-3 | Collar | | 153317-0-01 | |
| Z-46-6-2 | Screw 5 x 14 | | 150202-0-01 | | Z-47-4 | Spring Washer 2-8 | | 028080-2-42 | |
| Z-46-6-3 | Nut 5 | | 021500-1-03 | | Z-47-5 | Nut | | 021080-1-06 | |
| Z-46-7-1 | Thread Guide Holder | | 150185-0-01 | | Z-47-6 | Bolt 8 x 55 | | 211964-0-01 | |
| Z-46-7-2 | Bolt 5 x 28 | | 017502-8-03 | | Z-47-7 | Bolt 8 x 55 | | 017085-5-02 | |
| Z-46-7-3 | Nut 5 | | 021500-1-03 | | Z-47-8 | Head Plate Supporter | | 153319-0-01 | |
| Z-46-8-1 | Thread Guide Stopper Bar | | 142996-0-01 | Z-47-9 | Stud | | 155325-0-01 | | |
| Z-46-8-2 | Set Screw | | 013719-4-12 | Z-47-10 | Duster Shoot Supporter | | 155325-0-01 | | |
| Z-46-9 | Thread Guide 3 | | 142997-0-01 | Z-47-11 | Washer | | 025680-2-32 | | |
| Z-46-10 | Spool Shaft (B) | | 150179-0-01 | Z-47-12 | Screw | | 009681-0-12 | | |
| Z-46-11 | Spool Cushion | | 126863-0-00 | | | | | Z-47 Full-Sub- merged Set 155324-0-01 (Option Parts) | |






*The details of included accessories are subject to change.

*Änderungen in der Aufstellung der mitgelieferten Zubehöre sind vorbehalten.

*Los détails des accessoires inclus sont sujets à des changements.

*Los detalles de los accesorios incluidos pueden variar.

DIFFERENT PARTS LIST

| Sub Class | Specifications | Label | Stitch Length Control Plate | Oil Cap | Label | Threading Diagram | Needle DC x 27 | | | | | | | |
|-----------|-----------------------------|-------------|---|--|---|---|---|------|-------------|------|-------------|------|-------------|-------------|
| | | 001- |  |  |  |  |  | | | | | | | |
| 001-3 | Thin, medium | A-26 | 146974-0-01 | A-32 | 154808-0-01 | | | B-26 | 151474-0-11 | | | | | |
| -4 | | | 146974-0-02 | | | | | | | | | | | |
| -5 | | | 146974-0-03 | | | | | | | | | | | |
| -6 | | | 146974-0-54 | | | | | | | | | | | |
| 002-5 | Bulky Knit | A-26 | 146974-0-04 | A-35 | 154809-0-01 | A-90 | 143196-0-01 | A-95 | 155340-0-01 | A-96 | 154847-0-01 | B-26 | 151474-0-14 | |
| -6 | | | 146974-0-05 | | | | | | | | | | | |
| -7 | | | 146974-0-06 | | | | | | | | | | | |
| 003-3 | Blind hemming | A-26 | 146974-0-07 | | | | | | | | | B-26 | 151474-0-09 | |
| -4 | | | 146974-0-08 | | | | | | | | | | | |
| -5 | | | 146974-0-09 | | | | | | | | | | | |
| 004-3 | Blind hemming (Two threads) | A-26 | 146974-0-10 | | | | | | | | | | | |
| -4 | | | 146974-0-11 | | | | | | | | | | | |
| 005-4 | Serging (Two threads) | A-26 | 146974-0-14 | A-32 | 154808-0-01 | | | | | A-99 | 154848-0-01 | | B-26 | 151474-0-14 |
| -5 | | | 146974-0-15 | | | | | | | | | | | |
| -6 | | | 146974-0-61 | | | | | | | | | | | |
| 006-4 | Serging | A-26 | 146974-0-17 | | | | | | | | | | | |
| -5 | | | 146974-0-18 | | | | | | | | | | | |
| 007-2 | Curling | A-26 | 146974-0-57 | | | | | | | | | | | |
| -4 | | | 146974-0-56 | | | | | | | | | | | |
| 008-5 | Ruffling | A-26 | 146974-0-19 | A-34 | 154810-0-01 | | | | | | | | | |
| 009-5 | Ruffling (w/piping) | A-26 | 146974-0-20 | | | | | | | | | | | |
| 010-5 | Taping | A-26 | 146974-0-21 | A-32 | 154808-0-01 | | | | | | | | | |
| 011-6 | Bulky Knit taping | A-26 | 146974-0-25 | A-35 | 154809-0-01 | A-90 | 143196-0-01 | | | | | | B-26 | 151474-0-14 |
| -7 | | | 146974-0-26 | | | | | | | | | | | |
| 012-3 | Backtacking | A-26 | 146974-0-42 | A-32 | 154808-0-01 | | | | | | | | B-26 | 151474-0-11 |
| -4 | | | 146974-0-43 | | | | | | | | | | | |
| -5 | | | 146974-0-44 | | | | | | | | | | | |
| -6 | | | 146974-0-58 | | | | | | | | | | | |

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*The details of included accessories are subject to change. *Los detalles de los accesorios incluidos pueden variar. *Les détails des accessoires inclus sont sujets à des changements.

| Sub Class | Needle Plate | Over Looper | Differential Stitch Control | Differential Feed Dog | Chain Feed Dog | Main Feed Dog | Presser Foot Assembly |
|-------------------------|--|------------------|-----------------------------|-----------------------|------------------|------------------|-----------------------|
| 001-3 -4 -5 -6 | B-50 146730-0-01 146731-0-01 146732-0-01 146733-0-01 | | F-35 155172-0-01 | F-80 146748-0-01 | F-82 146577-0-01 | F-81 146744-0-01 | G-45 154968-0-01 |
| 002-5 -6 -7 | B-51 146734-0-01 146735-0-01 146736-0-01 | D-11 155240-0-01 | F-42 155173-0-01 | F-83 146750-0-01 | F-85 146578-0-01 | F-84 146745-0-01 | G-49 154974-0-01 |
| 003-3 -4 -5 | B-50 146730-0-01 146731-0-01 146732-0-01 | | | | | | G-50 146890-0-01 |
| 004-3 -4 | B-50 146730-0-01 146731-0-01 | D-14 155241-0-01 | | | | | |
| 005-4 -5 -6 | B-50 146731-0-01 146732-0-01 146733-0-01 | | F-35 155172-0-01 | F-80 146748-0-01 | F-82 146577-0-01 | F-81 146744-0-01 | G-46 154970-0-01 |
| 006-4 -5 | B-50 146731-0-01 146732-0-01 | | | | | | |
| 007-2 -4 | B-52 148352-0-01 148314-0-01 | | | | | | G-47 154976-0-01 |
| 008-5 | | | | | F-85 146578-0-01 | F-87 146746-0-01 | G-51 154971-0-01 |
| | B-54 146737-0-01 | D-11 155240-0-01 | F-41 155174-0-01 | F-86 146751-0-01 | | | |
| 009-5 | | | | | F-89 147832-0-01 | F-88 147828-0-01 | G-52 154975-0-01 |
| 010-5 | B-50 146732-0-01 | | F-32 155172-0-01 | F-80 146748-0-01 | F-82 146577-0-01 | F-81 146744-0-01 | G-53 154973-0-01 |
| 011-6 -7 | B-51 146735-0-01 146736-0-01 | | F-42 155173-0-01 | F-83 146750-0-01 | F-85 146578-0-01 | F-84 146745-0-01 | |
| 012-3 -4 -5 -6 | B-55 147449-0-01 147450-0-01 147451-0-01 147452-0-01 | | F-35 155172-0-01 | F-80 146748-0-01 | F-82 146577-0-01 | F-81 146744-0-01 | G-45 154968-0-01 |

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| Sub Class | Thread Guide Supporter | Blind Hemming Ruler Assembly | Edge Guide Assembly | Ruffler Interlocking Parts Assembly | Ruffling Attachment Assembly | Handle and Nut | Knee Lifter Shaft Bracket Assembly |
|-----------|------------------------|--------------------------------------|--------------------------------------|-------------------------------------|--------------------------------------|--------------------------------------|--------------------------------------|
| 001-3 | | | | | | | |
| 002-5 | | | | | | | |
| 003-3 | | | | | | | |
| 004-3 | | N- 1 147710-0-01 N- 2 009670-6-12 | | | | | |
| 005-4 | | | | | | | |
| 006-4 | J-13 110813-0-01 | | P- 1 146761-0-01 P- 2 110201-0-01 | | | | |
| 007-2 | | | | | | | |
| 008-5 | | | | | | | |
| 009-5 | | | | Q- 1 155547-0-02 | Q- 2 146587-1-02 Q- 3 009721-8-12 | Q- 4 145809-0-01 Q- 5 150556-0-02 | Q-11 155196-0-01 Q-12 009681-0-12 |
| 010-5 | | | | | | | |
| 011-6 | | | | | | | |
| 012-3 | T-11 156091-0-01 | | | | | | |

From the library of: Diamond Needle Corp

| Sub Class | Connecting Bar Stud Screw  | Cotton Stand  | Tape Winder Assembly  | Wrapper Assembly  | Tape Guide  | Back-tack Presser Assembly  | Back-tack Guide  |
|-------------------------|--|---|---|---|---|---|--|
| 001-3 -4 -5 -6 | | | | | | | |
| 002-5 -6 -7 | | | | | | | |
| 003-3 -4 -5 | | | | | | | |
| 004-3 -4 | | | | | | | |
| 005-4 -5 -6 | | | | | | | |
| 006-4 -5 | | | | | | | |
| 007-2 -4 | | | | | | | |
| 008-5 | | | | | | | |
| | Q-13 155205-0-01 Q-14 146594-0-01 | | | | | | |
| 009-5 | | R- 1 181031-0-01 | R- 2 143767-0-02 R- 3 101118-0-01 | R- 4 147440-0-00 R- 5 110735-0-02 R- 6 009680-6-12 | | | |
| 010-5 | | | | | | | |
| | | | | | S- 1 155327-0-01 S- 2 009669-4-12 | | |
| 011-6 -7 | | | | | | | |
| 012-3 -4 -5 -6 | | | | | | T- 1 147473-0-01 T- 2 009670-6-12 | T- 3 147484-0-01 T- 4 141544-0-01 |

From the library of: Diamond Needle Corp

| Sub Class | Flexible Wire Assembly | Wire Plate | Thread Release Lever | Needle DC x 27 Assembly | Screw Driver | | | | |
|-------------------------|--------------------------------------|--------------------------------------|--------------------------------------|-------------------------|------------------|--|--|--|--|
| 001-3 -4 -5 -6 | | | | Z-12 151474-4-11 | | | | | |
| 002-5 -6 -7 | | | | Z-12 151474-4-14 | | | | | |
| 003-3 -4 -5 | | | | Z-12 151474-4-09 | | | | | |
| 004-3 -4 | | | | | | | | | |
| 005-4 -5 -6 | | | | Z-12 151474-4-14 | | | | | |
| 006-4 -5 | | | | | | | | | |
| 007-2 -4 | | | | | Z-33 148925-0-01 | | | | |
| 008-5 | | | | Z-12 151474-4-11 | | | | | |
| 009-5 | | | | | | | | | |
| 010-5 | | | | | | | | | |
| 011-6 -7 | | | | Z-12 151474-4-14 | | | | | |
| 012-3 -4 -5 -6 | T- 5 147480-0-01 T- 6 141514-0-01 | T- 7 147672-0-01 T- 8 009670-6-12 | T- 9 147483-0-01 T-10 141514-0-01 | Z-12 151474-4-11 | | | | | |

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