MODEL DN 2000



LOCKSTITCH SOLE SEVING MACHINE MODEL IN 2000

It is important to read these instructions carefully before using the stitcher.

MACHINE SPEED :-

Model NN 2000 is supplied set to run at 100 stitches per minute and it is suggested that the operator should become fully conversant with the machine before the drive is adjusted to the higher speed of 100 stitches per minute, if required.

This operation is carried out by changing belt IN 2050 onto the larger 'V' motor pulley IN 1665 and realigning the motor pulley to ensure that the belt is running vertical as shown on Plate 2.

NOTE. FOR MODREY GOHZ, MOTOR THE STITCHES /MIN WILL BE 120 SLOW SPEED

STITCHING TRIALS :- "

The machine's Individuality Took, IN \$177. as shown so fixes a must be filled with a solution to individual the thread, i.e. a soluble, old mixed with water. The thread feeding from the machine base must always be without mixing. The shuttle thread must be sucked. The suchine is supplied with a stitch sample attached, This should be recoved cutting upon the stitch sample attached. This should be recoved cutting that the same time until freshly lumbrased thread is clear of the hours and then fix under clip IN 1070, as shown on page 6, and cut off surplas thread the shattle thread should be left with approximately 6 - 10cm of looses working of the machine. To examine the stitching principle, the machine may be operated by hand rotating the handheed in a clocking direction, i.w. the typ of the knaddeel away from the operator when standing at the continual control of the control of

STITCHING :-

Attach the thread under the spring rile, 28 1050 and position the of the horn to the laft, as slower my gas 6, writes the handhead until the present foor is positioned close to the needle and uning the 700 transfe (Lail, Jusia the present foot to the seedle and uning the 700 transfe (Lail, Jusia the present foot to and lower to clamp the work between the horn cap and the present foot and lower to clamp foot treated and guide the town as required. The stitch length my be varied by adjustment of the stitch length no retrieved to the present foot treated and guide the work adjusted who vorting with vary after the present foot tension should be adjusted who working with vary after the present foot tension should be adjusted who working with vary after the present foot of the stitch service which means of activities. This is not in the present the contract of the stitch service which we would be adjusted who working with vary after the stitch service the state of the stitch service the state of t

and rotate the machine by hand until the needle is about to pierce the leather, turn the handwheel back one full turn and raise the presser foot. The shoe may then be removed from the machine at the same time assisting the thread passing through the horm.

SHUTTLE Fig 5 :-

To remove the shuttle rotate the machine by hand until the shuttle point, thread splitter, and needle point are coincidental, fig. 5. Locate the retaining sorew IN 919, Rotate the shuttle retaining ring IN 918, and pull downward. The shuttle IN 920 any than be removed. Remove the bobbin IN 927 from the chuttle using the special key IN 1114 supplied with the machine, fig. 4.

TO FIT NEW BOBBIN INTO SHUTTLE Fig 6 :-

- A) Pass the free end thread through the wire loop of the threader, DN 465 and draw it from inside to outside through hele 'A' in the shuttle wall.
- From the bobbin into the shuttle (the two holes in the bobbin wall to be outwards). It is avisable to place a few drops of machine oil in the housing before pressing in the bobbin. Check that the thread pulls through freely.
 Fast the threader through the hole 'B' and draw the thread end
- C) Fass the threader through the hole 'B' and draw the thread end through the hole.
 D) Position the thread behind the flat tension spring DN 930 and
- D) * Fostion the thread behind the flat tension spring DN 930 and the thread may now be drawn through. The shuttle can now be replaced into the machine.

 E) * The shuttle thread tension can be varied by adjusting the group.
 - The shuttle thread tension can be varied by adjusting the screw DN 933.
 - Only when parts are requested.

THREADING THE MACHINE Fig 1 :-

The thread path through the machine is as shown on page 6 , This is done by removing the door, DN 4075.

NEEDLE SETTING :-

When a new needle is fitted, the shank and must locate up to the stop pin IN '011, situated inside the needle but IN '005, as shown on Flate 9. The hook of the needle must be directed to the right when viewed and pointing allowing the control of the control of the manhine Pource that the case of the pointing allowing into the body of the manhine Pource that the case of the needle barb must be just below the thread hole in the whirt IN '1046, see fig 2.

WHIRL AND PINION :-

Botate the handwheel until the suttle tip, when travelling from left to right in in line with the needle, fig 4. Notate the horn so that the horn tip is facing the mediac column. Remove the horn cap DE 7645, as shown on Plate 5. The hole in the whirl should be positioned as shown in fig 3. It is important that if a new whirl or pinion is fitted the emggement of the teeth is correct, this is shown in fig 2. Adjustment is made of the teeth is correct, the shown in fig 2. Adjustment is made as a correct of 1647 and 167 1647 and adjust the small energy of 1647 and the state of 1647 and 16

BOBBIN WINDING :-

The bobbin winder is situated on top of the base on the right hand side, as shown on Plate 1.

The cop of pre-waxed thread is positioned on the right hand spool holder, IN 1530B, and the thread path to the bobbin winder is as shown on Fig 1, page 6.

Two bobbins should be positioned on to the driving spindle by resoving Robe III 4005, so that the driving in acquest into one of the terms of the control of the threat of the control of the threat o

MAINTENANCE :-

DAILY - Oil all working faces and oil holes.

WEEKLY - Apply grease to all grease nipples with grease gun.

MONTHLY - Grease main countershaft, by means of grease nipple in right han bearing block.

RECOMMEND THREAD AND NEEDLE SIZES :-

The machine thread must be reverse (left) twist.

The machine thread should not be more than 2 sizes above the needle size i.e. No 5.

MOTOR VOLTAGE :-

Switches are supplied to suit the motor. If the motor is changed to a different voltage the switches must also be changed.

MACHINE SETTING AND FAULT FINDING :-

Before stitching by power a check should be made to ensure that the settings are correct to form the stitch. To do this the machine should be threaded up, Fig 1. Take the thread coming through the whirl and trap lightly with the thumb against the horn tip (the horn's bow should be to the left). Turn the handwheel by hand in the direction indicated to bring the needle down through the whirl which will rotate placing the thread in the needle barb. When the needle rises the thread is drawn through the horn. and when the loop so formed gets as high as the shuttle the thread splitter DN 928 will come across from the right and separate the threads just under the needle point. The needle will continue to rise and the shuttle will reverse so the shuttle point travelling from the left will go through the gap made by the thread splitter. Then the thread lifter DN 936 will move unwards taking the thread off the needle so that it passes around the shuttle and forms a loop around the shuttle thread. The thread lever DN 4006 . will then pull the machine thread down through the horn to form the 'lock'. Fig 5, Page 7 .

- If the needle does not pick up the thread: See whirl setting instructions. See needle setting instructions (the needle could be going down too far or not far enough, Fig 2.)
- 2. If the thread splitter does not divide the thread :- Check that the point of the thread splitter passes exactly under the point of the needle. The thread splitter can be bent into the correct position.
 3. If the thread lifter does not lift the thread from the meedle:
- 3. If the thread lifter does not lift the thread from the needs : In3. If the thread lifter does not lift the thread from the needs : 10. If the thread lifter does not lift the thread from the needs : 10. If the thread lifter on the lifter on the tin the highest
 position the point of the thread lifter on that in its highest
 position the point of the thread lifter is approximately into the
 left of the needle. Cacok that there is mufficient gap between the
 needle and the thread lifter for the thread to pans.

Stitching by power can now take place. The 'lock' produced by the horn thread and the shuttle should pull into the middle of the material. This can be adjusted by belancing the tension of the horn thread by turning knob, EN 41044, Fig 1, and shuttle thread by screw EN 933, Fig 6.

THREAD BREAKAGE :-

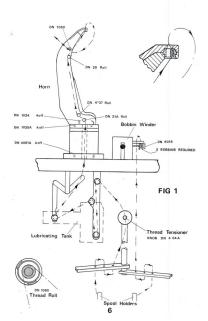
If the thread frays or breaks, check that there are no sharp edges on the horn tip, the thread splitter, the thread filtre, the shuttle or needle. Although the thread may break in the horn it can be caused by rough edges on parts above the whirl. Now of thread breakeg is due to rough edges developing on working parts which parts which fray the thread. This must be estings. It is essential that the machine is allowed to feed the work and that the operator does not push. If the work is pushed while the needle is in the work the needle on the end at which the horn cap descriped he needle and/or the horn cap is south a way that the thread will fray. The thread will have been standing, will through and recove the dry portion of the thread.

 If the thread breaks in the machine base :- Check that the machine is threaded up correctly and that the thread is not trapped, Fig 1.

- If the machine misses stitches :- Check whirl settings. Check needle settings.
- 3. If material does not feed: Cheek that the pawl DW 809 at the back of the present foot bar, Plate 10, is engaging correctly in the teeth of the present foot bar. To do this remove the front cover of the machine head. Do not run the machine under power when the front cover is removed as the needle bar is then unsupported.

MACHINE ARE SUPPLIED WITH THE FOLLOWING SETTING CORRECT. THESE SHOULD

- SHUTTLE When the shuttle point and the thread splitter DN 928 are both at their farthest point left, the distance between the point of the thread sulliter and the needle should be 13 15 mm.
- THREAD LEVER NW 4006 -As the needle bar DN 1005 travels downwards and the groove on the top of the needle bar in level with the top of bush DN 744 in the head casting, the lever DN 4006 should be just starting it downwards movement.
- FERSER FOOT The presser foot is fitted with screws IN 817 and BN 920, Flate 10, which can be adjusted to give correct injument. A single point presser foot should be in line with the needle. When using a double point presser one point should be each mide of the needle. The presser foot must be set to clear and not touch the horn cap.
- NOON The meedle must pass through the centre of the horn cap, should this be in error check that the meedle is not bent, if it is straight it may be corrected by adjustment of the 4 screws IN 400% attuated in the horn bane, IN 400% should the white/horn be cost grub screws, IN 100% in the horn. The four adjustment of the screws IN 100% must be almokeded before adjusting the horn, as shown on Fig 1.



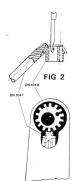


FIG 3



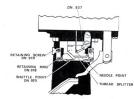
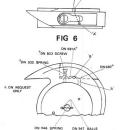
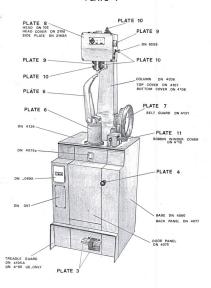
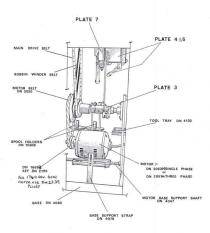


FIG 5

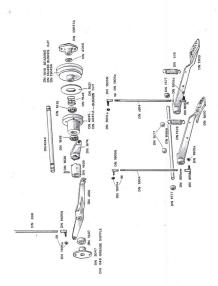






```
DN 4044
            Clutch Shaft
DN 1806
             Treadle Lever
DN 1807
            Collar for DN 1806
DN 1807a
            Grub Screw for DN 1807
DN 1625
            Clutch Dog
DN 1626
            Pin for DN 1625
DN 1624
            Clutch Lever
DN 1618
            Thrust Bearings
DN 4045
            Main Drive Pulley
DN 1621
            Pulley Clutch Pad
DN 1622
            Screws for DN 1621
DN 1623
            Clutch Spring
DN 13049A
            Clutch Shaft Pulley
DN 13049b
            Bushes for DN 13049A
DN 4046
            Clutch Shaft Spacing Collar
DN 13047
            Clutch Shaft Bracket (R.H.)
Clutch Shaft Bracket (L.H.)
DN 13047A
DN 13047b
            Screws for DN 13047 & DN 13047A to DN 4044
DN 1616
            Screws for DN 13047 & DN 13047A
DN 2048
            Grease Nipple in DN 13047
DN 1808
            Presser Foot Lever Rod
DN 13048a
            Screw securing 4044 to Base DN 4060
```

DN 1585A Treadle Shaft DN 1800 Treadle L.H. (Presser Foot) DN 1803 Treadle R.H. (Clutch) DN 1577 Collar for DN 1800 & 1803 DN 1577a Screw securing DN 1577 to 1585A DN 1804 Treadle Rod Rod End Swivel Joint DN 1805N DN 1805a Nuts for DN 1805N DN 1578 Treadle Spring



DN 4024+ Thread Lock Mechanism, Front Plate DN 4025 Thread Lock Mechanism Block DN 4025A Screws securing DN 4025 to DN 4026 DN 4025B Screws securing DN 4025 to DN 4001 DN 4026A Thread Lock Release Lever DN 4026B in DN 4026A DN 4029 Clamp Spindle Spacer DN 40284 Clamp Spindle Spring Cam Roller Shoulder Screw DN 4031 DN 4032 Cam Roller DN 1080 Thread Roll Cover DN 1081 Thread Roll DN 10814 Nut for DN 1081 DN 1082 Thread Roll DN 4123A Thread Lock Shaft DN 4124A Thread Lock Front Disc. DN 4125A Thread Lock Roller DN 4124.8

Grommet

DN 4100

DN 4100a

DN 4113+

DN 1250R

DN 1250a

DN 1269

DN 4104

DN 4104A

DN 4104B

DN 4126

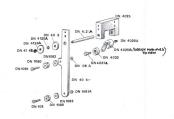
DN 4127

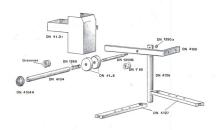
DN 4127a

DN 1260

DN 1261

PLATE 4

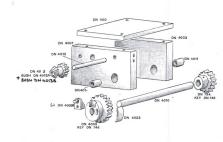


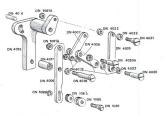


```
DN 4001
            Front Support Plate
TN 4002
            Mid Mounting Plate
DN 4002A
            Screws securing DN 4002 to DN 4001 & 4003
            Bolts securing DN 4002 to DN 4035
DN 4002B
            Washers For DN 4002B
DN 40020
DN 4003
            Rear Support Plate
DN 4005
            Thread Take Up Link
DN 4006
            Thread Take Up Link
DN 4007
            Thread Take Up Link
DN 4008
            Thread Take Up Link
DN 4009
            Botton Spur Gear
DN 4009A
            Screw for DN 4009
DN 4009B
            Link Drive Block
DN 4009C
            Screw securing DN 4009B to DN 4009
DN 4010
            Drive Shaft
DN 4011
            Bushes in DN 4001 & DN 4003
DN 4012
            Horn Base Driver Gear
            Horn Base Driver Gear Stub Shaft
Bush in DN 4012 (FIRST GUSH WEADAS)
DN 4013
DN 4013A
DN 40136
            Screw securing DN 4013 to DN 4001
DN 4013 G
            BUSH IN DNAOIS (SECOND BUSH )
DN 4015
            Thread Take Up Adjusting Support Arm
DN 4016
            Thread Take Up Adjusting Pivot
DN 40164
            Screws securing DN 4016 to DN 4001
DN 4017
            Thread Take Up Bottom Spacer
DN 4018
            Thread Take Up Bottom Shoulder Screw
DN 4020
            Mid Link Shoulder Screw
DN 4020A
            MidlLink Shoulder Screw
DN 4021
            Top Link Shoulder Screw
DN 4022
            Link Spacers
            Thread Lock Cam
            Screw securing DN 4023 to DN 4009
DN 4023A
DN 4023B
            Nut for DN 4023A
DN 730
            Screw securing DN 754
DN 746
            Key for DN 754 & DN 4009
DN 754
            Bevel Gear on DN 4010
DN 1080
            Thread Roll Cover
DN 1081
            Thread Roll Stud
DN 1081A
            Nut for DN 1081
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DN 1082

Thread Roll



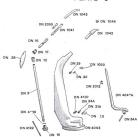


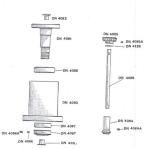
DN 4043 Horn, Slim Type DN 2059 Whirl Pinion Drive Bush. DN 1035A Horn Setting Screw DN 1034 Horn Clamp Screw DN 1042 Horn Tip DN 1043 Horn Cap DN 22 Pin for DN 1043 DN 28 Screw for DN 1043 DN 1044 Screw for DN 1043 DN 4043A Horn Front Cover DN 4122 Horn Back Cover DN 41224 Screws for 4122 DN 2B Horn Pinion Cover DN 2C Dowel for DN 2B DN 3 Screw for DN 2B DN 29 Thread Roll (upper) DN 30 Thread Roll Stud (upper) DN 2012 Horn Cover Spring Clip DN 4137 Thread Roll (lower) DN 34A Stud for DN 30 & DN 4043A DN 1050 Thread Clin DN 1051 Screw for DN 1050 DN 1048 Thread Whirl DN 1047 Whirl Pinion DN 15 Whirl Pinion Drive DN 1047A Screw for DN 15 DN 17 Gear for DN 15 DN 1045A Screw for DN 17 DN 12 Whirl Drive Gear (upper) DN 10 Whirl Drive Gear (lower) DN 13 Screw for DN 12 DN 1039 Pin for DN 10 DN Q Whirl Drive Gear Shaft DN 31A Thread Roll Thread Roll Stud DN 4138 Washer for DN 9

DN 4080 Horm Support
DN 4081 Horm Base
DN 4081A Jacking screws for DN 4081
DN 4081B Screws scarring DN 4080 to DN 4035A
DN 4082 Locking Ring
DN 4084 Horm Base Dotton Genr
DN 4084 Screws for DN 4084

DN DN	4085 4085a 4086	Whirl Gear Drive Screw for DN 4085 Locking Screw Pad	(upper)
DN DN	4086a 4087 4088	Screw for DN 4082 Contact Bearing Contact Bearing	(lower)
	4089 4139	Main Shaft Washer for DN 4089	

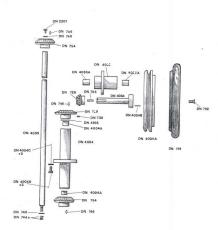
PLATE 6





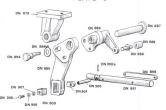
```
DN 4039
            Main Drive Shaft
DN 754
            Main Drive Shaft Gear (lower)
DN 246
            Key for DN 754
DN 730
            Screw securing DN 754
DN 740
           Gear Washer
DN 244a
           Nuts for DN 4039
DN 754
            Main Drive Shaft Gear (upper)
DN 746
            Key for DN 754
DN 754a
            Screw for DN 754
DN 2201
            Screw securing IN 754
DN 4004
           Main Shaft Support Housing
DN 4004A
            Bushes for DN 4004
DN 4004B
            Screws securing DN 4004 to 4035
DN 4004C
            Washers for DN 4004B
DN 739
           Main Drive Shaft Gear
DN 746
           Key For DN 739
DN 730
           Screws for DN 739
DN 4103
            Back shaft Snacer
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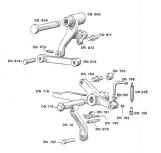
DN 4034A Handwheel DN 791 Handwheel Rim DN 792 Screws securing DN 791 DN 4034 Handwheel Shaft DN 4034B Pin for DN 4034A DN 755 Key for DN 4034 DN 729 Handwheel Gear DN 729a Screw for DN 729 DN 4033 Handwheel Support DN 4033A Bushes for DN 4033 DN 4033B Screws securing DN 4033 to DN 4036



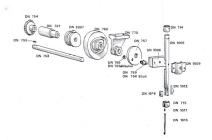
DN 898	Shuttle Drive Rack
DN 897	Shuttle Drive Shaft
DN 904	
DN 904a	Screws securing DN 904 to DN 898
DN 9048	Washer for DN 904
DN 903	Shaft Slide Block
DN 901	Slide Block Spacer
DN 900	Slide Block Fulcrum
DN 900a	Pin securing DN 900 to DN 897
DN 905	Slide Block Retaining Screw
DN 906	Washer for DN 905
DN 907	Star Washer for DN 905
DN 879	Can Lever Bracket
DN 879A	Dowel for DN 879
DN 880	Screws for DN 879
DN 881	Washer for DN 879
DN 881A	Star Washer for DN 879
DN 885	Shuttle Drive Cam Lever
DN 886	Cam Lever Carrier
DN 894	Carrier Eccentric
DN 894W	Washer for DN 894
DN 893	Nut For DN 894
DN 893a	Washer for DN 894
DN 890	Screw for DN 885
DN 890a	Washer for DN 885
DN 887	Cam Lever Carrier Pin
DN 883	Screw for DN 887
DN 889	Cam Roll
DN 888	Cam Roll Stud
DI 000	Odli NOLL State
DN 868	Presser Foot Cross Slide Cam
DN 869	Cam Lever Pin
DN 870	Screw for DN 869
DN 872	Cam Roll
DN 871	Cam Roll Stud
DN 873	Cross-slide Lever
DN 874	Lever Pin
DN 875	Pin for DN 874
DN 778	Presser Foot Rise & Fall Cam Lever
DN 778a	Stop Screw for DN 778
DN 778b	Nut for DN 778a
DN 779	Cam Lever Pin
DN 780	Screw for DN 779
DN 784	Cam Roll Stud
DN 785	Cam Roll

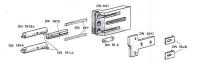
DN 821	Cam Lever Spring
DN 790	Spring Anchor in DN 702
DN 788	Spring Anchor in DN 778
DN 789	Nut for DN 788
DN 781	Rise & Fall Lever
DN 782	Lever Pin
DN 783a	Screw for DN 782
DN 858	Lever Spring
DN 786	Spring Anchor
DN 787	Screw for DN 786





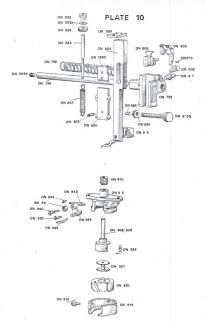
```
Mainshaft
DN 754
            Mainshaft Drive Gear
DN 755
            Key for DN 754
DN 730
            Screw securing DN 754 to DN 753
DN 762
            Shuttle Cam
DN 763
            Pin for DN 762
DN 2067
            Presser Foot Cam
DN 2067a
            Presser Foot Cam Washer
DN 252
            Needle Cam
DN 760
            Pin for DN 757
DN 246
            Main Shaft Cam Key
DN 759
            Needle Cam Roll
TN 258
            Cam Roll Stud
DN 265
            Nut for DN 758
DN 265a
            Washer for DN 758
DN 770
            Mainshaft Bracket
DN 773
            Screw for DN 770
DN 772
            Washers for DN 770
DN 1005
            Needle Bar
DN 714
            Needle Bar Bush (upper)
DN 715
            Needle Bar Bush (lower)
DN 1006
            Needle Bar Cam Block
TN 1009
            Holding Plate
DN 1010
            Screws securing DN 1009 to DN 1006
DN 1007
            Screws securing DN 1009 to DN 1006
DN 1008
            Nut for DN 1007
DN 1017
            Washer for DN 1007
DN 1016
            Needle Calmp
DN 1015
            Needle No 6
DN 1014
            Screw securing DN 1016 to DN 1005
DN 1011
            Needle Stor
DN 1019
            Screw for DN 1011
DN 1012
            Needle Bar Cam Piece
DN 1013
            Pins for DN 1012
DN 1813a
            Pawl (upper)
DN 1814
            Pawl (lower)
TN 847
            Pawl Block
DN 848
            Screws for DN 847
DN 1821
            Pawl Spring
DN 1815
            Pawl Slide Piece
DN 1816
DN 1817
            Pawl Cam Piece
DN 1818
            Screws for 1817
DN 1819
            Washers for 1817
DN 1825
            Washers for DN 1817
DN 1823
            Pawl Setting Piece
DN 1824
            Screw for DN 1824
DN 1825
            Washer for 1824
DN 1826
            Star Washers for DN 1824
DN 1822
            Pawl Stud
```





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DN 816
            Presser Foot (serrated)
DN 817
            Presser Foot Setting Screw (Horizontal)
DN 820
            Presser Foot Setting Screw (Vertical)
DN 819
            Screw for DN 816
DN 819a
            Washer for DN 816
DN 804
            Presser Foot Bar
DN 799
            Presser Foot Bar Carrier
DN 801
            Screw securing DN 800 to DN 799
DN 802
            Washer for DN 801
DN 809
            Presser Foot Bar Pawl
DN 822
            Pin for DN 809
DN 823
            Screw for DN 822
DN 808
            Pawl Block
DN 1820
            Pawl Can Piece
DN 1820s
            Washer for DN 1820
DN 814
            Screw for DN 1820
DN 805
            Pawl Release Cam
DN 807
            Screws for DN 805
DN 807a
            Washer for DN 805
DN 803
            Presser Foot Spring
DN 812
            Presser Foot Spring Pin in DN 800
DN 810
            Presser Foot Spring Pin in DN 809
DN 834
            Presser Foot Spring Anchor
DN 833
            Spring Anchor Nut
DN 832
            Locknut for DN 833
DN 832a
            Washer for DN 833
DN 830
            Spring Anchor Plate
DN 831
            Screws for DN 830
DN 811
            Pivot Pin
DN 795
            Presser Foot Shaft
DN 798
            Presser Foot Shaft Spring
DN 2048
            Shaft Greaser
DN 920
            Shuttle
DN 908/909
            Shuttle Driver/Shaft
DN 910
            Shuttle Driver Gear
DN 911
            Pins for DN 909 & DN 910
DN 015
            Shuttle Holder
DN 916
            Screw securing DN 915
DN 018
            Shuttle Housing
DN 917
            Pin in DN 918
DN 919
            Housing Clamp Screw
DN 928
            Thread Splitter
DN 929
            Screw for DN 928
DN 936
            Thread Lifter
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DN	935	Thread Lifter Lever	Stud
DN	934	Thread Lifter Lever	
DN	937	Screw for DN 936	
DN	940	Cam Roll Stud	
DN	941	Thread Lifter Lever	Cam Roll
DN	942	Spring Anchor	
DN	943	Thread Lifter Lever	Spring
DN	927	Bobbin	-2



DN 4447	Bobbin Winder Bracket
DN 4050A	Screws securing DN 4050 to DN 4035
DN 4148	Bobbin Winder Lever
DN 4051A	Pin for 4051
DN 4051B	Grub Screw for DN 4051A
DN 4052	Bobbin Winder Drive Pulley Spindle
DN 4053	Bobbin Winder Shaft
DN 4054+	Bobbin Drive Collar Pulley
DN 4055	Bobbin Winder Engagement Lever
DN 2046	Knob for DN 4055
DN 4056	Bobbin Clamp Nut
DN 4057	Drive Pulley
DN 4057A	Screw securing DN 4057 to 4050
DN 4114	Spring Bracket
DN 4116	Spring
DN 4119	Screw securing DN 4050
DN 4120	Washer for DN 4119
DN 4121	Nut for DN 4119
DN 4148A	BUSH
	Queu

Bobbin Winder Belt

