



Operating Instructions for Conveyor Belt

Model VA 4000 AT

Jaccard Corporation

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1. Installation and initial operation

Read these operating instructions as well as the operating instructions for the VA 4000 completely. These additional instructions are only a supplement.



Only operate the machine according to the instructions.

Always work with care to avoid damage or injury. The installation, introduction and initial operation must be done by an authorized supplier or service technician.

1.1. Installation

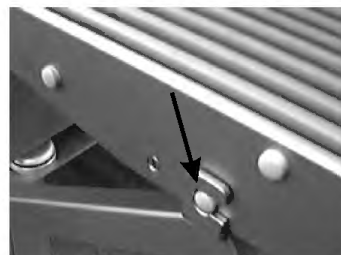


Install the food slicer model VA 4000 on the supplied stand. Make sure that the feet of the machine are placed into the cups fixed on the stand.



Place the front end of the conveyor belt up on the base of the machine and slide it securely over the mounting bolt. Make sure that the power plug is located on the left side of the conveyor. Then lower the conveyor into the mounting brackets of the support arm.

Make sure that both sides of the conveyor are supported and that it is securely in place.



1.2. Electrical installation

The conveyor belt is powered by the VA4000. Plug the conveyor belt power cord into the corresponding socket, located at the front of the machine. Make sure to secure the plug into position by tightening the outer safety locking ring.

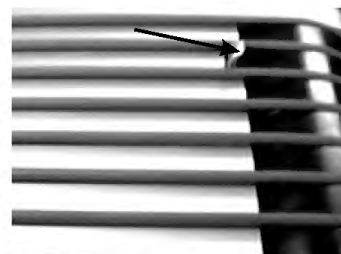


2. Operation

The operating instructions of the VA4000 are described in the "Operating instructions for Food Slicer VA4000". The only variation during programming will be the need for the input of the desired distance between sliced portions. This input of distance will be necessary for all slicing programs for the conveyor belt to move forward and to separate the sliced portions.

Once the machine has been started, it will run continuously. There are three instances where the slicing procedure will be stopped

1. The food product has run out. The machine stops and the end piece holder moves back to the beginning of the carriage
2. The portions are reaching the end of the conveyor belt, are activating the end switch, which will cause the slicer to stop slicing.
3. The slicing procedure is interrupted by pushing the "start/stop" button or the emergency stop button.



Once the slicer stopped production, a previously placed stack of product will remain near the stacking arm. If the machine resumes the slicing, the new portion would be positioned on top of the previously sliced one.

To avoid this, push the "B" button first. The conveyor belt will move forward the same distance which is used in the current slicing program. However, this only applies if the conveyor belts' end switch was not activated..

3. Cleaning

The machine must be cleaned prior to initial operation and after a longer period of standstill.

In accordance with FDA regulations, the slicer must be cleaned at least once every 4 hours if kept at room temperature. Cleaning may be necessary more frequently at higher temperatures or when slicing products that may harden on the blade like cheeses, soft meats, etc.



It is recommended to disconnect the conveyor belt from the machine for better cleaning.

After unplugging it from the VA4000, make sure that both parts of the power connectors have their protective caps securely in place so that no moisture can enter the electrical system. Clean the belts and the metal base with soapy water and cleaning cloths, using anti-bacterial detergent as described in the "Cleaning and Sanitizing procedure VA4000 Slicers".

For a quick cleaning between slicing sessions, the conveyor belt can be cleaned while it is connected to the machine base.

Press and hold the "cleaning" button. Release the button after 5 seconds and the conveyor belts will start moving. Pushing the "cleaning" button again quickly will stop the conveyor belt.

Be careful when cleaning the machine, especially in the area of the blade.

To carry out the cleaning process, refer to the work instruction WI-Maintenance-001; Cleaning and Sanitizing Procedure provided by Jaccard in the manual kit with this machine.



Illustrated Parts Manual for Food Slicer

**Model
VA 2000
VA 4000**

Jaccard Corporation

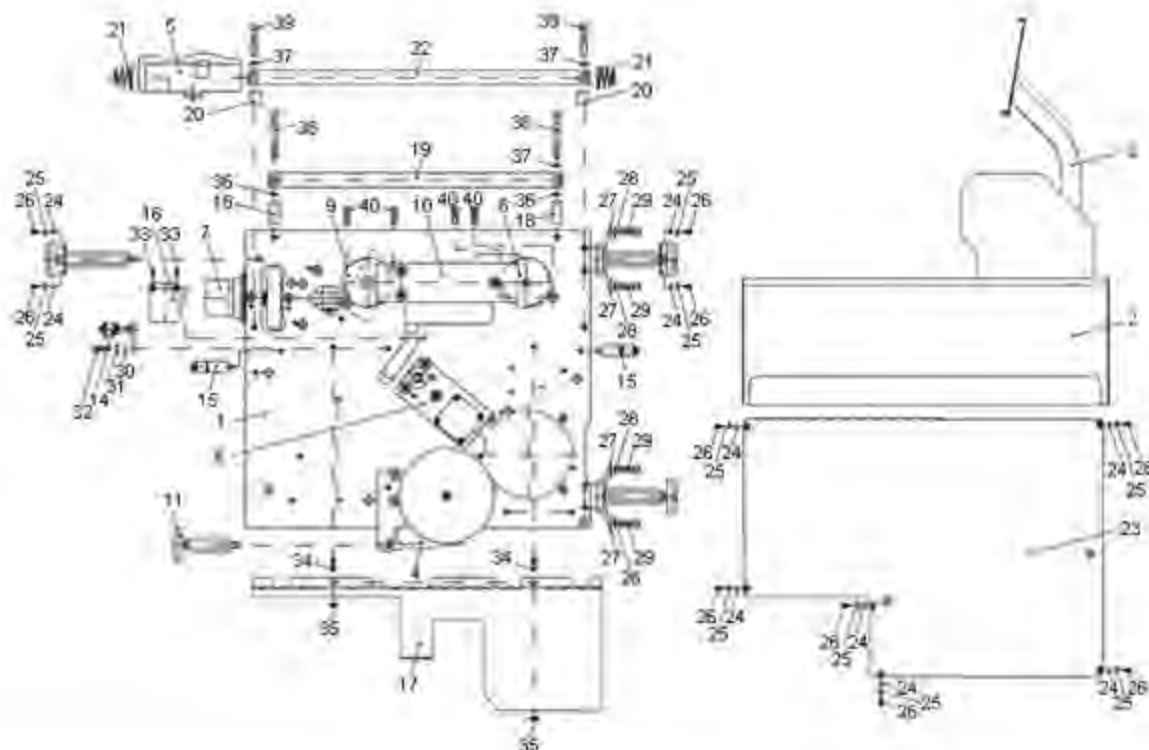
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1. Exploded Drawings and Part Listings

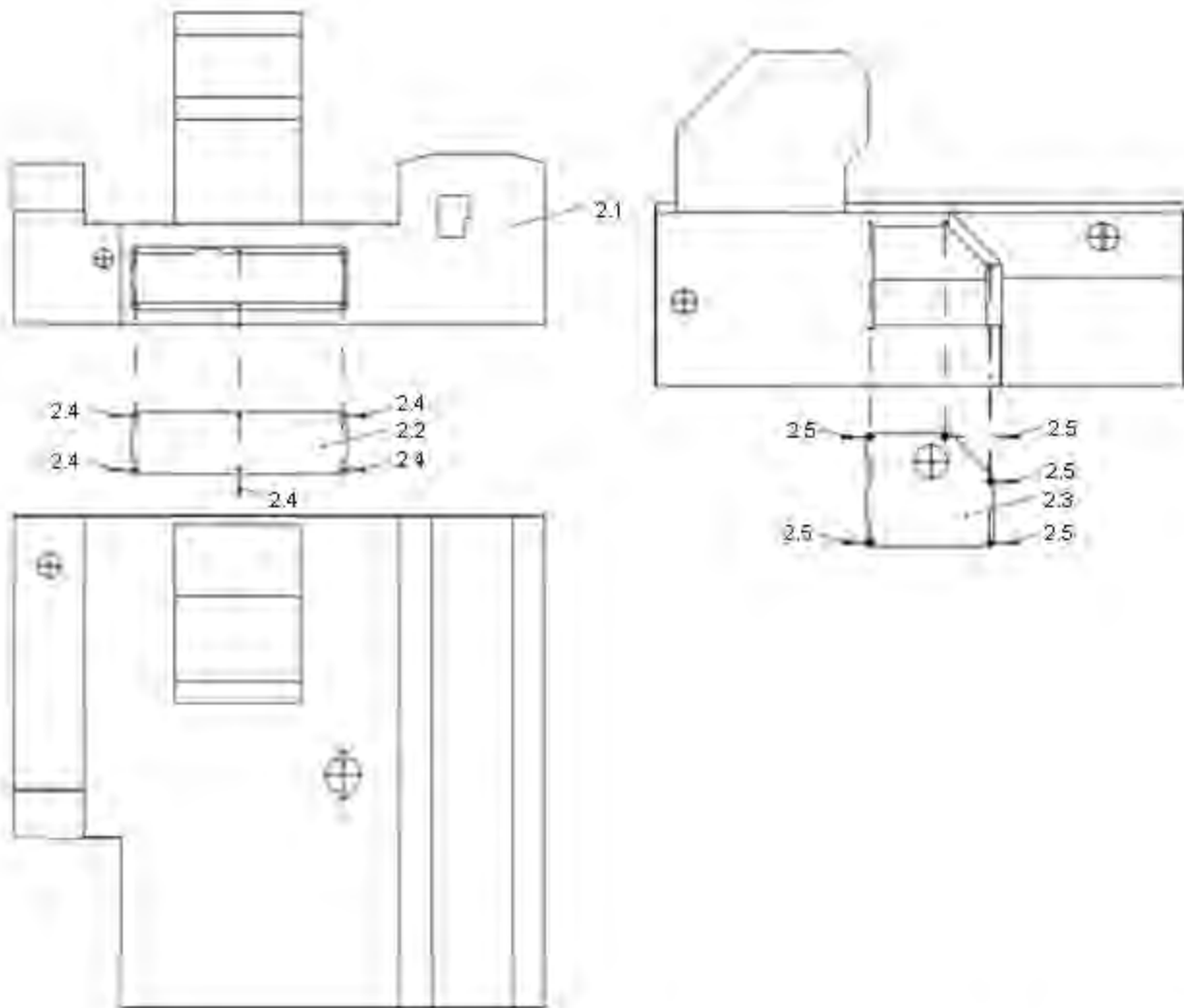
1.1. Drawing 1: Machine Body – Base



| REF. # | DESCRIPTION | PART# |
|--------|--|-----------|
| 1 | Base plate | 20.000.00 |
| 2 | Machine body complete (Drawing 2) | 20K001.00 |
| 3 | Holding tube assembly (Drawing 3 – VA4000 only) | 20K009.00 |
| 4 | Stacking device base assembly (Drawing 4) | 20K050.00 |
| 5 | Carriage sliding support assembly (Drawing 16) | 20K100.00 |
| 6 | Chain drive unit for chain assembly (Drawing 18) | 20K230.00 |
| 7 | Support assembly (Drawing 27) | 20K370.00 |
| 8 | Chain tensioner assembly (Drawing 32) | 20K400.00 |
| 9 | Chain wheel carrier assembly (Drawing 33) | 20K430.00 |
| 10 | Cover plate assembly (Drawing 34) | 20K450.00 |
| 11 | Foot assembly (Drawing 35) | 20Z007J00 |
| 14 | Adjuster assembly (Drawing 38) | 20K011.00 |
| 15 | Deflection roller for base plate assembly (Drawing 39) | 20K017.00 |
| 16 | Cable cover | 20.008.00 |
| 17 | Cover plate – rear | 20.015.00 |

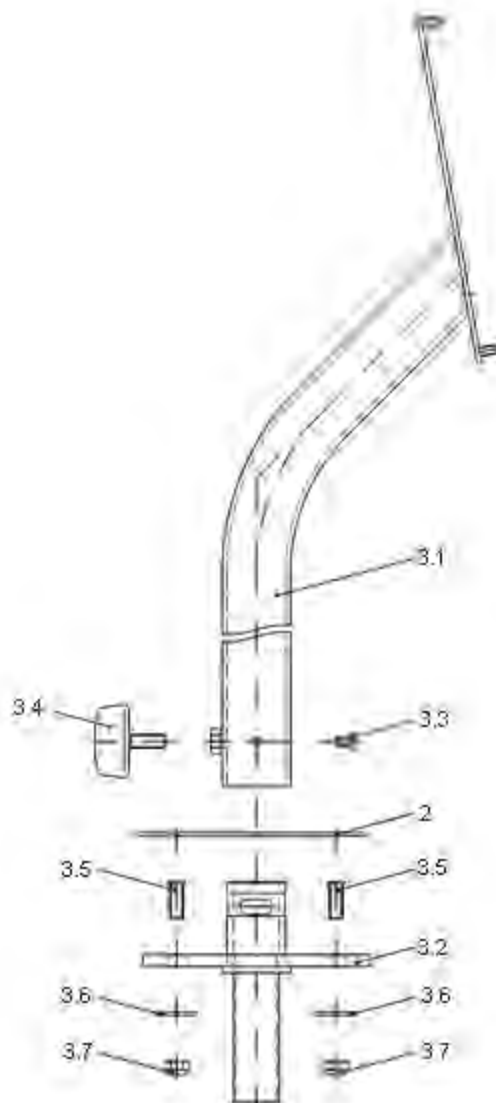
| | | |
|----|-------------------------------|-----------|
| 18 | Spacer for carriage guide bar | 20.018.00 |
| 19 | Carriage guide bar – short | 27.001.40 |
| 20 | Support for guide bar | 06.338.01 |
| 21 | Conical pressure spring | 52.001.00 |
| 22 | Carriage guide bar | 13.001.40 |
| 23 | Bottom plate | 20.016.00 |
| 24 | Washer | 590125044 |
| 25 | Toothed washer | 556797043 |
| 26 | Lens head screw | 607985408 |
| 27 | Washer | 599021085 |
| 28 | Toothed washer | 556797084 |
| 29 | Socket screw | 609120825 |
| 30 | Washer | 590125065 |
| 31 | Spring washer | 590127006 |
| 32 | Socket screw | 609120620 |
| 33 | Countersunk screw | 609630411 |
| 34 | Threaded pin | 545510620 |
| 35 | Hex nut | 606923006 |
| 36 | Spring washer | 590137008 |
| 37 | Spring washer | 590127008 |
| 38 | Socket screw | 609120865 |
| 39 | Socket screw | 609120840 |
| 40 | Socket screw | 607984820 |
| | | |
| | | |

1.2. Drawing 2: Machine Body – Complete



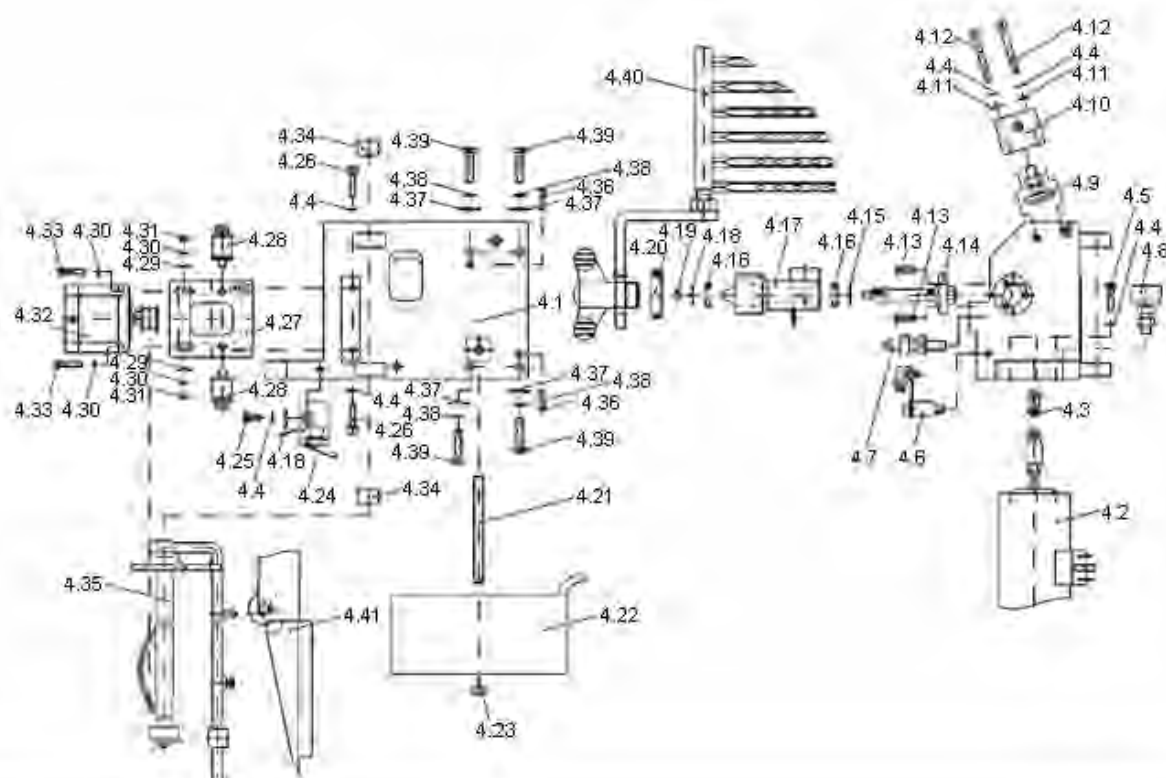
| REF. # | DESCRIPTION | PART# |
|--------|------------------------------------|-----------|
| 2.1 | Machine body assembly | 20Z001.00 |
| 2.2 | Cover plate for side plate (front) | 20.001.40 |
| 2.3 | Cover plate for stacking device | 20.001.50 |
| 2.4 | Countersunk screw | 609630306 |
| 2.5 | Countersunk screw | 609630310 |

1.3. Drawing 3: Display Support Tube (VA4000 only)



| REF. # | DESCRIPTION | PART# |
|--------|--|-----------|
| 2 | Holding tube body assembly (Drawing 2) | 20K001.00 |
| 3.1 | Holding tube assembly | 20Z009.00 |
| 3.2 | Holding tube mount assembly | 15Z800.00 |
| 3.3 | Cylinder screw | 600840406 |
| 3.4 | Wing screw | 57.002.10 |
| 3.5 | Welded threaded bolt | 544000616 |
| 3.6 | Washer | 599021065 |
| 3.7 | Hex nut | 609850006 |

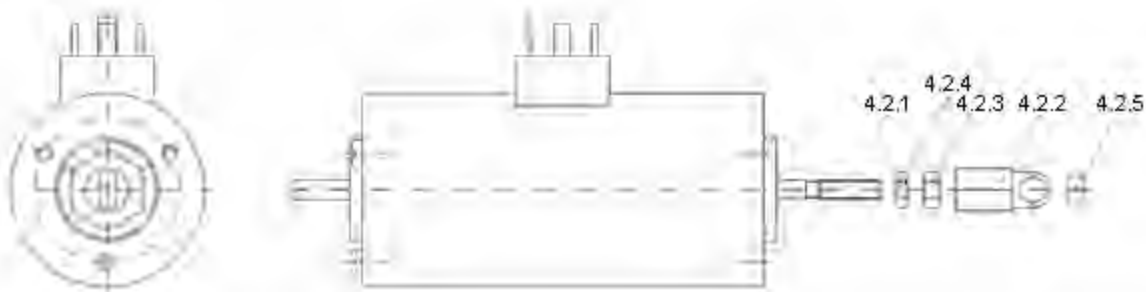
1.4. Drawing 4: Stacking Device Base Plate



| REF. # | DESCRIPTION | PART# |
|--------|--|-----------|
| 4.1 | Stacking device base plate | 20.050.00 |
| 4.2 | Magnetic solenoid assembly (Drawing 5) | 20K807.00 |
| 4.3 | Chain lock | 75.008.10 |
| 4.4 | Toothed washer | 556797055 |
| 4.5 | Hex screw | 609330520 |
| 4.6 | Light barrier for stacking device assembly (Drawing 6) | 20K806.00 |
| 4.7 | Chain frame mount assembly (Drawing 7) | 20K061.00 |
| 4.8 | Buffer 1 assembly (Drawing 8) | 20K058.00 |
| 4.9 | Buffer 2 assembly (Drawing 9) | 20K059.00 |
| 4.10 | Holder for buffer | 20.054.00 |
| 4.11 | Washer | 590125051 |
| 4.12 | Cylinder screw | 609120540 |
| 4.13 | Countersunk screw | 609630515 |
| 4.14 | Pin bearing assembly (Drawing 10) | 20K051.00 |
| 4.15 | Retaining ring | 590472019 |
| 4.16 | Deep groove ball bearing | 50.618002 |
| 4.17 | Pivot bearings assembly | 20K052.00 |
| 4.18 | Washer | 599021053 |
| 4.19 | Hex nut | 609850005 |

| | | |
|------|--|-------------------------|
| 4.20 | Shaft seal | 56.223278 |
| 4.21 | Threaded rod for transformer | 20.057.00 |
| 4.22 | Transformer for VA2000 Transformer for VA4000 | 13.155.62 13.155.90 |
| 4.23 | Hex nut | 609340008 |
| 4.24 | Metal plate for micro switch assembly (Drawing 11) | 15Z810.00 |
| 4.25 | Hex screw | 609330510 |
| 4.26 | Cylinder screw | 609120520 |
| 4.27 | Bearing for step motor | 15.051.00 |
| 4.28 | Deflection roller for stacking device assembly(Drawing 12) | 20K056.00 |
| 4.29 | Washer | 599021e43 |
| 4.30 | Toothed washer | 556797043 |
| 4.31 | Hex nut | 609340004 |
| 4.32 | Step motor for receiving plate assembly (Drawing 13) | 15K002.75 +15.011635 |
| 4.33 | Cylinder screw | 600840420 |
| 4.34 | Dry plain bearing | 61.001612 |
| 4.35 | Guiding mechanism for receiving tray assembly (Drawing 14) | 20K151.00 |
| 4.36 | Grooved taper pin | 541471516 |
| 4.37 | Washer | 599021065 |
| 4.38 | Toothed washer | 556797065 |
| 4.39 | Hex screw | 609330625 |
| 4.40 | Stacking arm assembly (Drawing 15) | 20K080.00 |
| 4.41 | Receiving tray assembly | 15K500.03 |

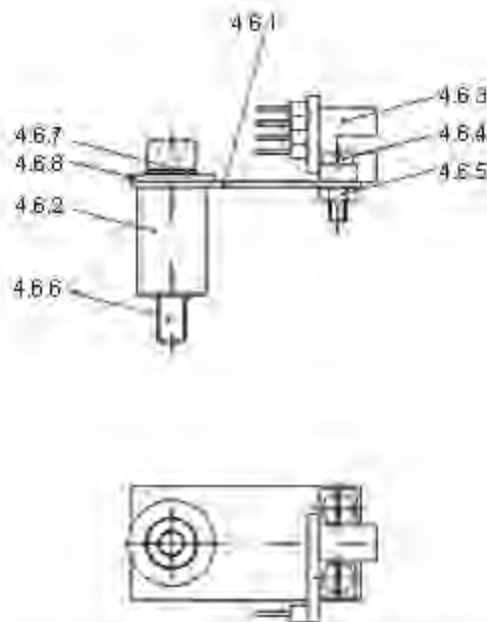
1.5. Drawing 5: Magnetic Solenoid Assembly



| REF. # | DESCRIPTION | PART# |
|--------|-------------------------------|-----------|
| 4.2.1 | Magnetic solenoid | 51.071.00 |
| 4.2.2 | Adaptor for magnetic solenoid | 15.059.00 |
| 4.2.3 | Hex nut | 609340006 |
| 4.2.4 | Hex nut | 604390006 |

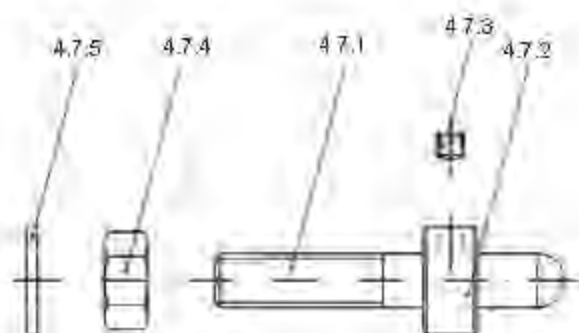
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|-------|----------------|-----------|
| 4.2.5 | Roll for chain | 75.008.00 |
|-------|----------------|-----------|

1.6. Drawing 6: Light Barrier for Stacking Device



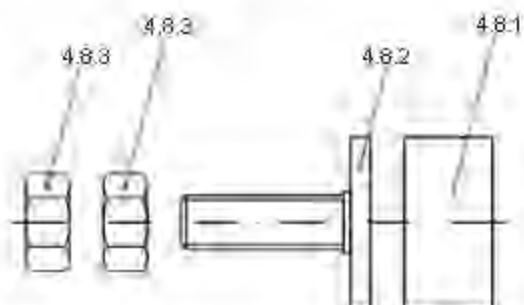
| REF. # | DESCRIPTION | PART# |
|--------|---|-----------|
| 4.6.1 | Plate for light barrier – stacking device | 20.806.00 |
| 4.6.2 | Distance bushing | 01.215.01 |
| 4.6.3 | Light barrier | 51.202.00 |
| 4.6.4 | Cylinder screw | 600840310 |
| 4.6.5 | Hex nut | 609340003 |
| 4.6.6 | Cylinder screw | 609120530 |
| 4.6.7 | Toothed washer | 556797055 |
| 4.6.8 | Washer | 599021053 |

1.7. Drawing 7: Stop Pin for Chain Assembly



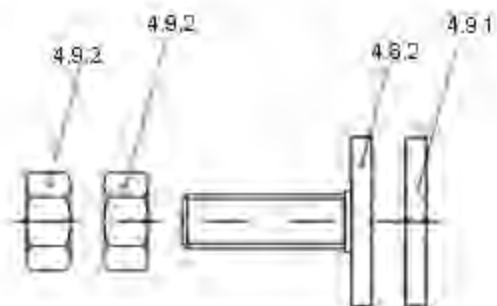
| REF. # | DESCRIPTION | PART# |
|--------|----------------|-----------|
| 4.7.1 | Washer | 20.061.00 |
| 4.7.2 | Adjusting ring | 59070508A |
| 4.7.3 | Threaded pin | 549160403 |
| 4.7.4 | Hex nut | 609340008 |
| 4.7.5 | Washer | 590125085 |

1.8. Drawing 8: Buffer 1



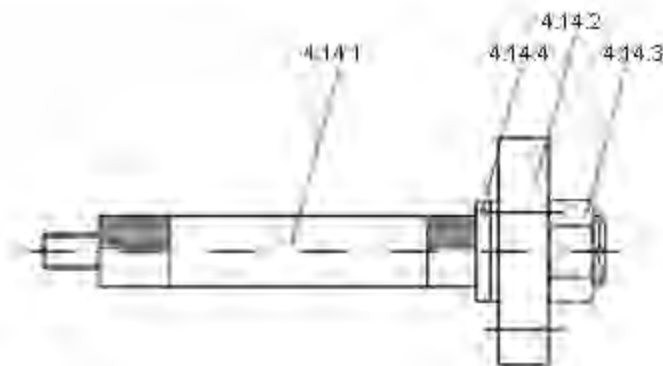
| REF. # | DESCRIPTION | PART# |
|--------|-----------------------|-----------|
| 4.8.1 | Buffer 1 | 20.058.00 |
| 4.8.2 | Buffer plate assembly | 20K060.00 |
| 4.8.3 | Hex nut | 609340008 |

1.9. Drawing 9: Buffer 2



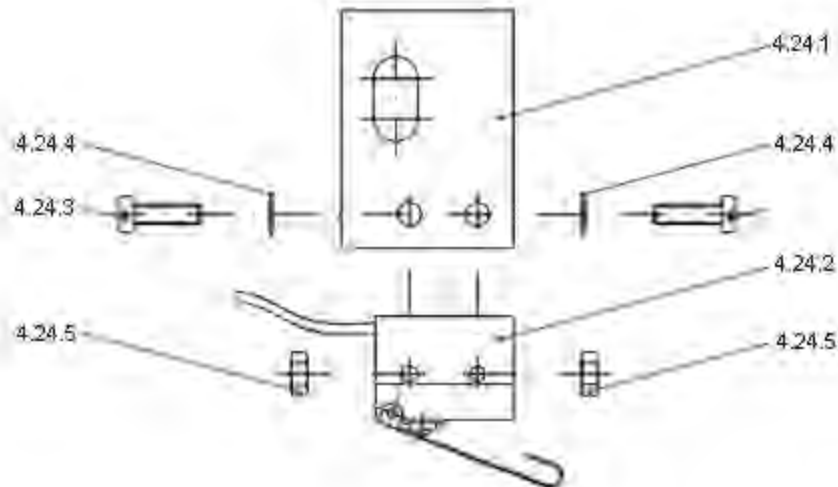
| REF. # | DESCRIPTION | PART# |
|--------|-----------------------|-----------|
| 4.9.1 | Buffer 2 | 20.059.00 |
| 4.8.2 | Buffer plate assembly | 20K060.00 |
| 4.9.2 | Hex nut | 609340008 |

1.10. Drawing 10: Pin for Pivot Bearings



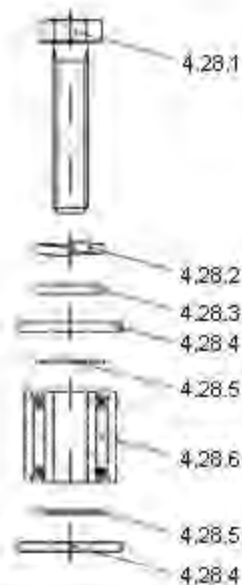
| REF. # | DESCRIPTION | PART# |
|--------|---------------------------|-----------|
| 4.14.1 | Bolt for pivot bearing | 20.051.00 |
| 4.14.2 | Flange for pivot bearing | 20.051.10 |
| 4.14.3 | Hex nut for pivot bearing | 20.051.20 |
| 4.14.4 | Washer for pivot bearing | 20.051.30 |

1.11. Drawing 11: Metal Plate for Micro Switch Assembly



| REF. # | DESCRIPTION | PART# |
|--------|------------------------------|-----------|
| 4.24.1 | Metal plate for micro switch | 15.810.00 |
| 4.24.2 | Quick break switch | 51.000.10 |
| 4.24.3 | Cylinder head screw | 600840310 |
| 4.24.4 | Toothed washer | 556797033 |
| 4.24.5 | Hex nut | 609340003 |

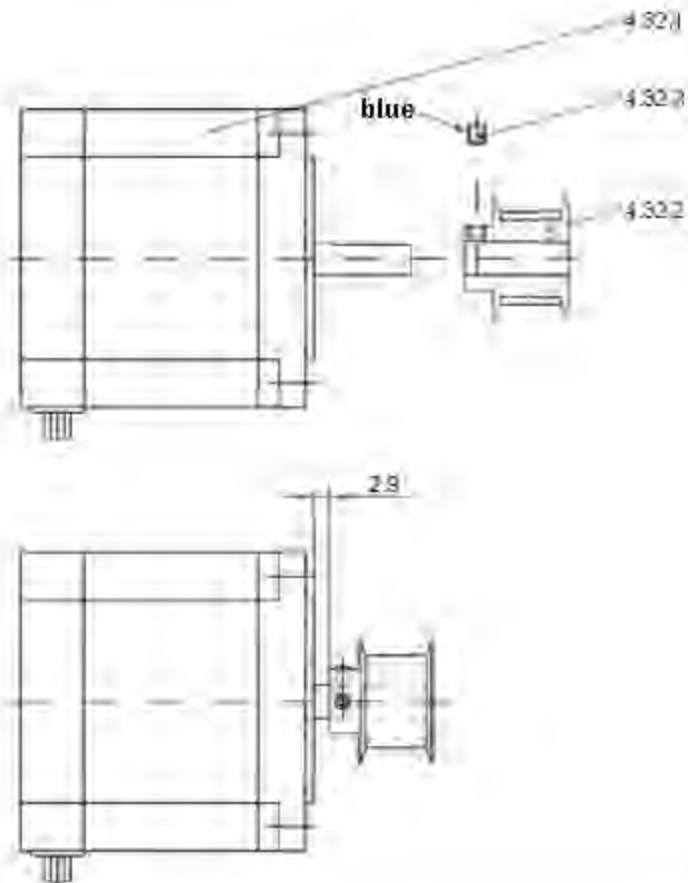
1.12. Drawing 12: Deflection Roller (2 per machine)



| REF. # | DESCRIPTION | PART# |
|--------|-------------|-----------|
| 4.28.1 | Hex screw | 609330630 |

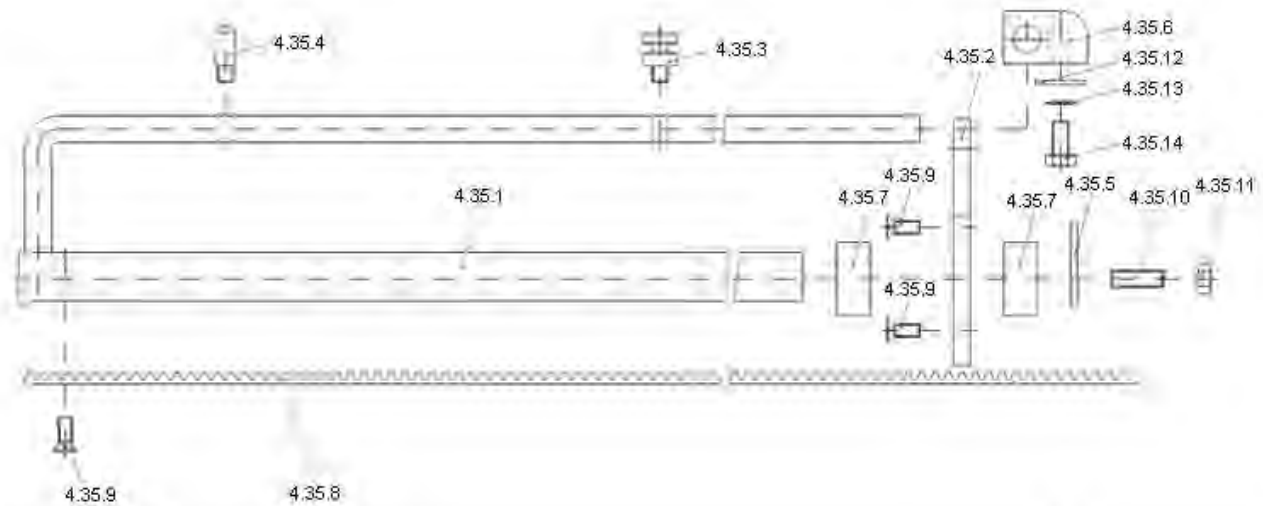
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|--------|----------------|-----------|
| 4.28.2 | Spring washer | 590127006 |
| 4.28.3 | Washer | 590125065 |
| 4.28.4 | Washer | 599021065 |
| 4.28.5 | Spring washer | 590988061 |
| 4.28.6 | Needle bearing | 50.NKI616 |

1.13. Drawing 13: Step Motor for Receiving Plate



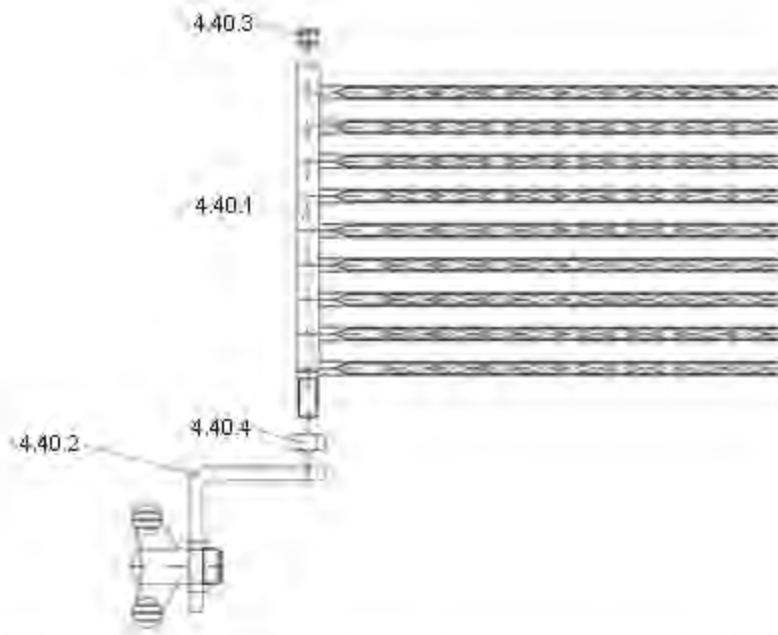
| REF. # | DESCRIPTION | PART# |
|--------|--------------------|-----------|
| 4.32.1 | Step motor | 15.002.72 |
| 4.32.2 | Synchronizing disc | 15.011635 |
| 4.32.3 | Threaded pin | 549160304 |

1.14. Drawing 14: Guided Mechanism for Receiving Plate



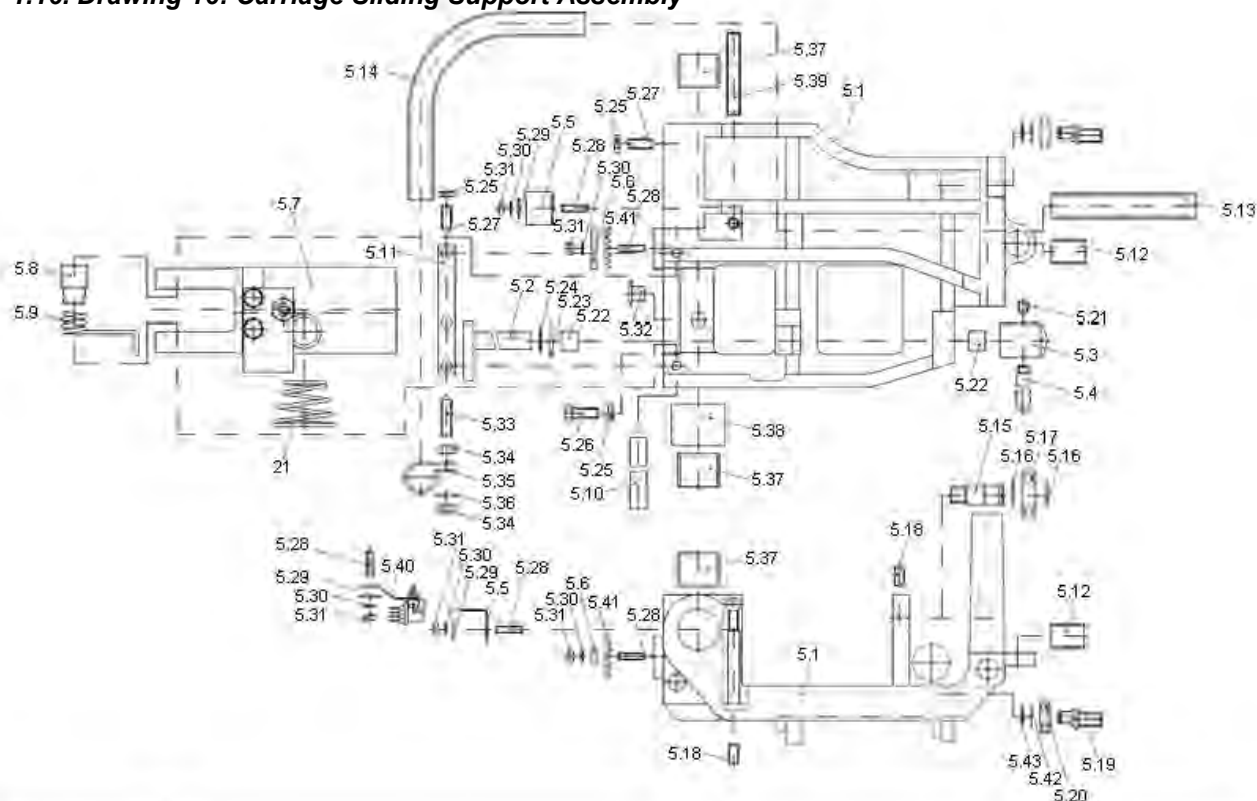
| REF. # | DESCRIPTION | PART# |
|---------|--|-----------|
| 4.35.1 | Guiding mechanism for receiving tray | 20Z151.00 |
| 4.35.2 | Guiding bracket | 20.153.00 |
| 4.35.3 | Locking mechanism 1 for receiving tray | 15.506.00 |
| 4.35.4 | Locking mechanism 2 for receiving tray | 15.507.00 |
| 4.35.5 | Switch plate for micro switch | 15.809.00 |
| 4.35.6 | Synthetic guide for tray | 15.811.00 |
| 4.35.7 | Rubber ring | 17.050.00 |
| 4.35.8 | Brecoflex Toothed belt | 53.003.05 |
| 4.35.9 | Countersunk screw | 609630411 |
| 4.35.10 | Threaded pin | 545510516 |
| 4.35.11 | Hex nut | 609340005 |
| 4.35.12 | Washer | 599021053 |
| 4.35.13 | Toothed washer | 556797055 |
| 4.35.14 | Hex screw | 609330510 |

1.15. Drawing 15: Stacking Device Assembly



| REF. # | DESCRIPTION | PART# |
|--------|--------------------------------|-----------|
| 4.40.1 | Stacking device assembly | 20K081.00 |
| 4.40.2 | Tilting joint assembly | 20K084.00 |
| 4.40.3 | Nylon plug for stacking device | 15.605.00 |
| 4.40.4 | Hex nut | 15.602.00 |

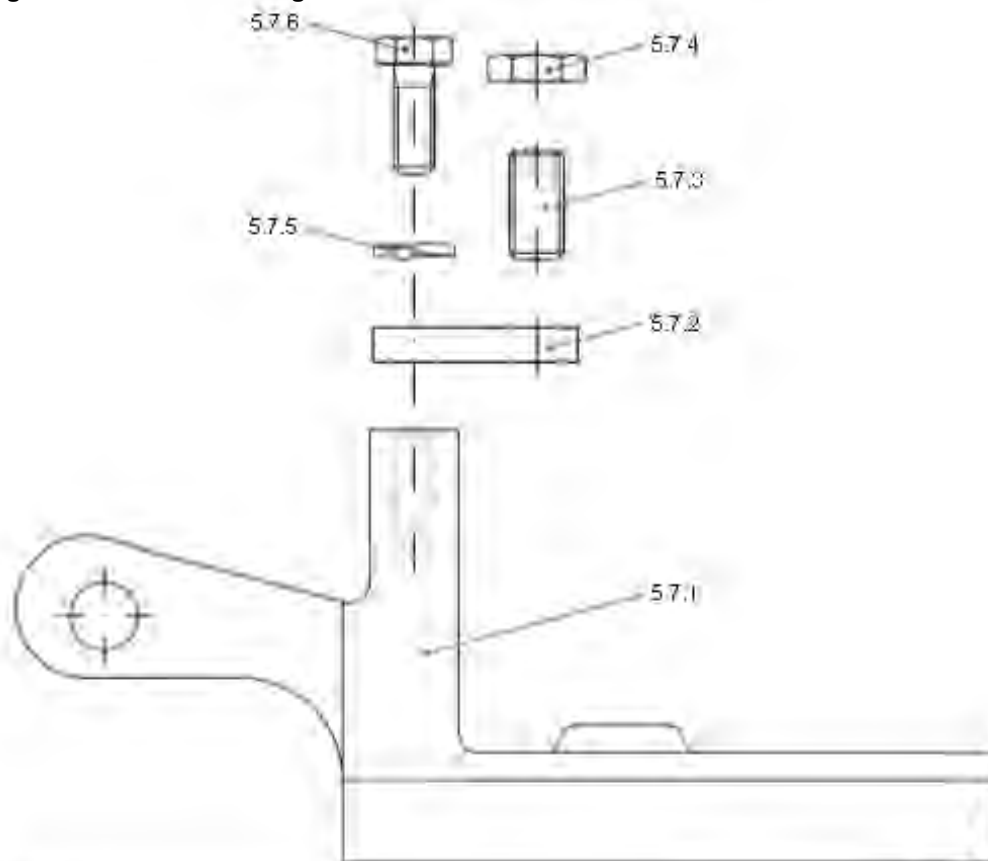
1.16. Drawing 16: Carriage Sliding Support Assembly



| REF. # | DESCRIPTION | PART# |
|--------|--|-----------|
| 5.1 | Sliding support | 20.100.00 |
| 5.2 | Carriage locking pin | 20Z101.00 |
| 5.3 | Knob | 06.131.00 |
| 5.4 | Grip for engaging pin | 06.132.00 |
| 5.5 | Contact sheet for light barrier | 20.807.00 |
| 5.6 | Tensioning strap | 15.002.65 |
| 5.7 | Carrier for Carriage drive assembly (Drawing 17) | 20K110.00 |
| 5.8 | Spring holder | 20.105.00 |
| 5.9 | Torsion spring | 20.106.00 |
| 5.10 | Connecting bolt | 20.104.00 |
| 5.11 | Strap | 20.107.00 |
| 5.12 | Short tube | 20.112.00 |
| 5.13 | Long tube | 20.113.00 |
| 5.14 | Curved tube | 20.114.00 |
| 5.15 | Bolt for carriage drive | 20.103.00 |
| 5.16 | Retaining ring | 590471012 |
| 5.17 | Deep groove ball bearing | 50.6001ZZ |
| 5.18 | Threaded pin | 549160612 |
| 5.19 | Cam for carriage guide rod | 20.115.00 |

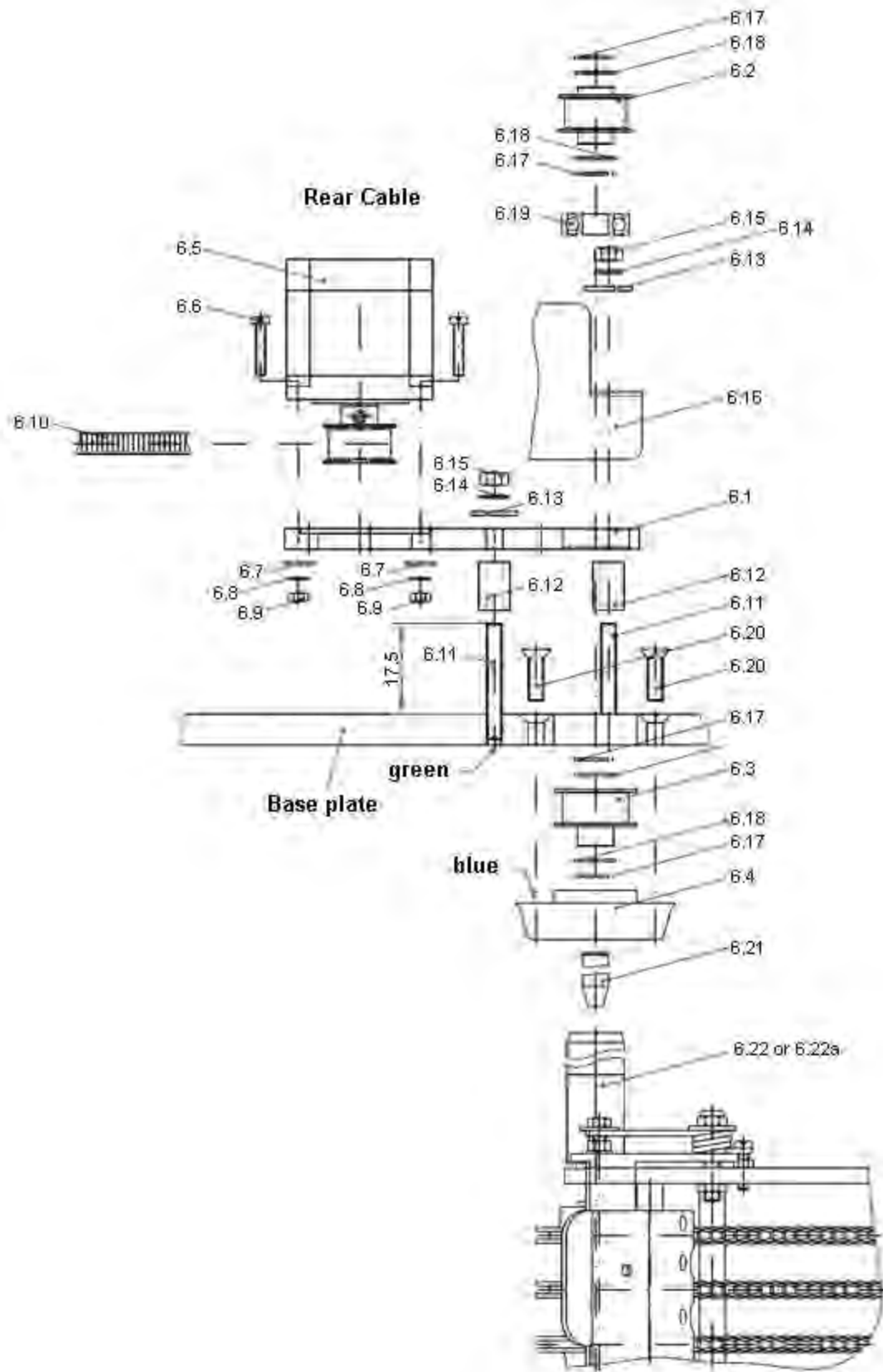
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|------|----------------------------------|-----------|
| 5.20 | Deep groove ball bearing | 50.0607RS |
| 5.21 | Threaded pin | 549140608 |
| 5.22 | DU bushing | 61.00101 |
| 5.23 | Washer | 590125105 |
| 5.24 | Leveling washer for ball bearing | 590101503 |
| 5.25 | Hex nut | 604390006 |
| 5.26 | Hex screw | 609330617 |
| 5.27 | Threaded pin | 549140616 |
| 5.28 | Threaded pin | 549130416 |
| 5.29 | Washer | 599021E43 |
| 5.30 | Toothed washer | 556797043 |
| 5.31 | Hex nut | 609340004 |
| 5.32 | Cap | 58.AK4058 |
| 5.33 | Threaded pin | 549140625 |
| 5.34 | Hex nut | 609340006 |
| 5.35 | Mounting clip | 51.903.08 |
| 5.36 | Washer | 590125065 |
| 5.37 | DU bushing | 61.222520 |
| 5.38 | Slide bearing | 61.253225 |
| 5.39 | Threaded pin | 545510850 |
| 5.40 | Light barrier assembly | 20K803.00 |
| 5.41 | Toothed belt XL | 15.503.60 |
| 5.42 | Adjusting washer | 590988071 |
| 5.43 | Retaining ring | 590471007 |
| 21 | Conical Tension spring | 52.001.00 |

1.17. Drawing 17: Carrier for Carriage Drive



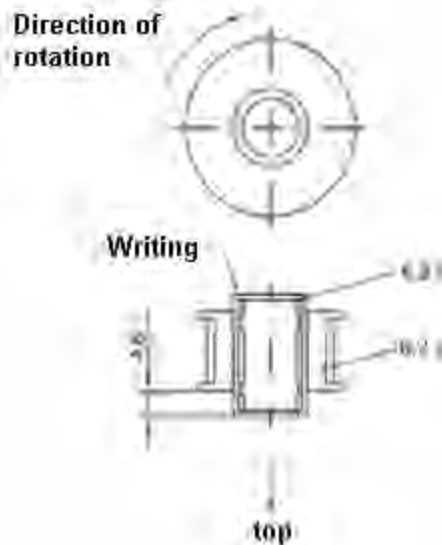
| REF. # | DESCRIPTION | PART# |
|--------|----------------------------|-----------|
| 5.7.1 | Carrier for carriage drive | 20.110.00 |
| 5.7.2 | Stop plate for carrier | 20.111.00 |
| 5.7.3 | Threaded pin | 549130816 |
| 5.7.4 | Hex nut | 604390008 |
| 5.7.5 | Spring washer | 590127006 |
| 5.7.6 | Hex screw | 609330616 |

1.18. Drawing 18: Chain Frame Drive



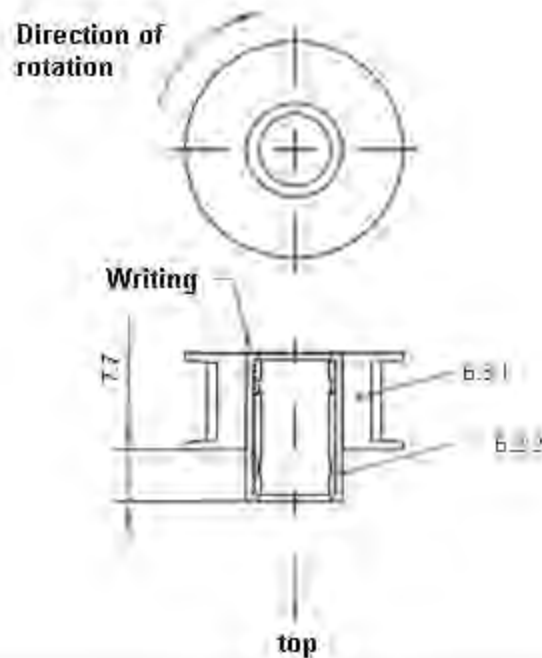
| REF. # | DESCRIPTION | PART# |
|--------|---|-----------|
| 6.1 | Plate | 20.230.00 |
| 6.2 | Synchronizing disc assembly (top) (Drawing 19) | 15K016.14 |
| 6.3 | Synchronizing disc assembly (bottom) (Drawing 20) | 15K015.14 |
| 6.4 | Gasket assembly (Drawing 21) | 20K231.00 |
| 6.5 | Stepmotor for chain frame drive (Drawing 22) | 20K234.00 |
| 6.6 | Cylindrical screw | 600840420 |
| 6.7 | Washer | 599021E43 |
| 6.8 | Toothed washer | 556797043 |
| 6.9 | Hex nut | 609340004 |
| 6.10 | Toothed belt | 53.003.05 |
| 6.11 | Threaded pin | 545510645 |
| 6.12 | Distance bushing | 01.215.01 |
| 6.13 | Washer | 599021065 |
| 6.14 | Toothed washer | 556797065 |
| 6.15 | Hex nut | 609340006 |
| 6.16 | Cable protection | 20.233.00 |
| 6.17 | Retaining ring | 590471010 |
| 6.18 | Adjusting washer | 590988109 |
| 6.19 | Deep groove ball bearing | 50.6000RS |
| 6.20 | Countersunk screw | 607991621 |
| 6.21 | Driving axle for chain frame assembly | 20.232.00 |
| 6.22 | Chain frame assembly (Drawing 23) | 20K200.00 |
| 6.22a | Chain frame assembly after serial # 2046005 (Drawing 23a) | 20K200.05 |

1.19. Drawing 19: Synchronizing Plate Assembly (Top)



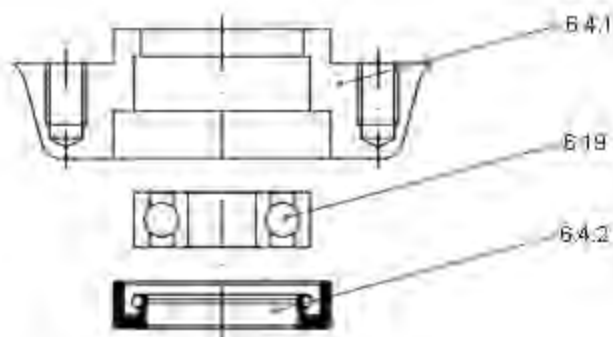
| REF. # | DESCRIPTION | PART# |
|--------|---------------------|-----------|
| 6.2.1 | Synchronizing plate | 15.016.14 |
| 6.2.2 | Free wheel | 50HFL1022 |

1.20. Drawing 20: Synchronizing Plate Assembly (Bottom)



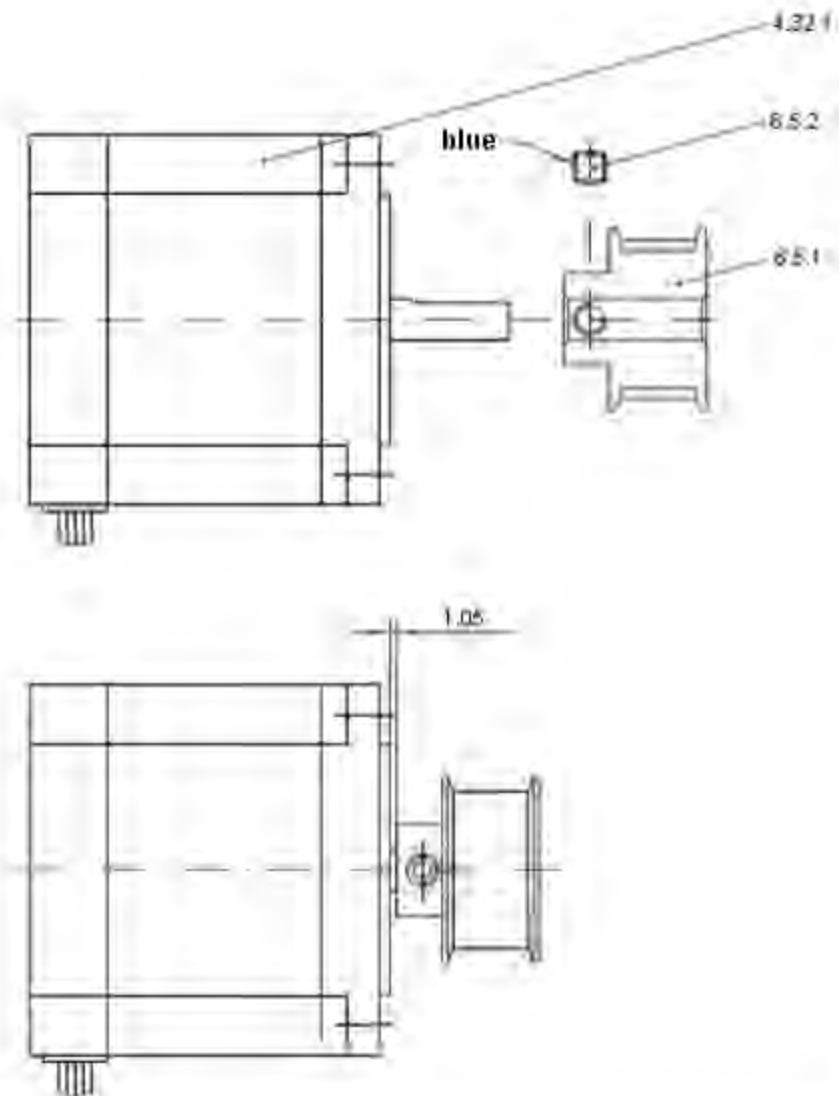
| REF. # | DESCRIPTION | PART# |
|--------|---------------------|-----------|
| 6.3.1 | Synchronizing plate | 15.015.14 |
| 6.2.2 | Free wheel | 50HFL1022 |

1.21. Drawing 21: Cover for Chain Drive Bearing



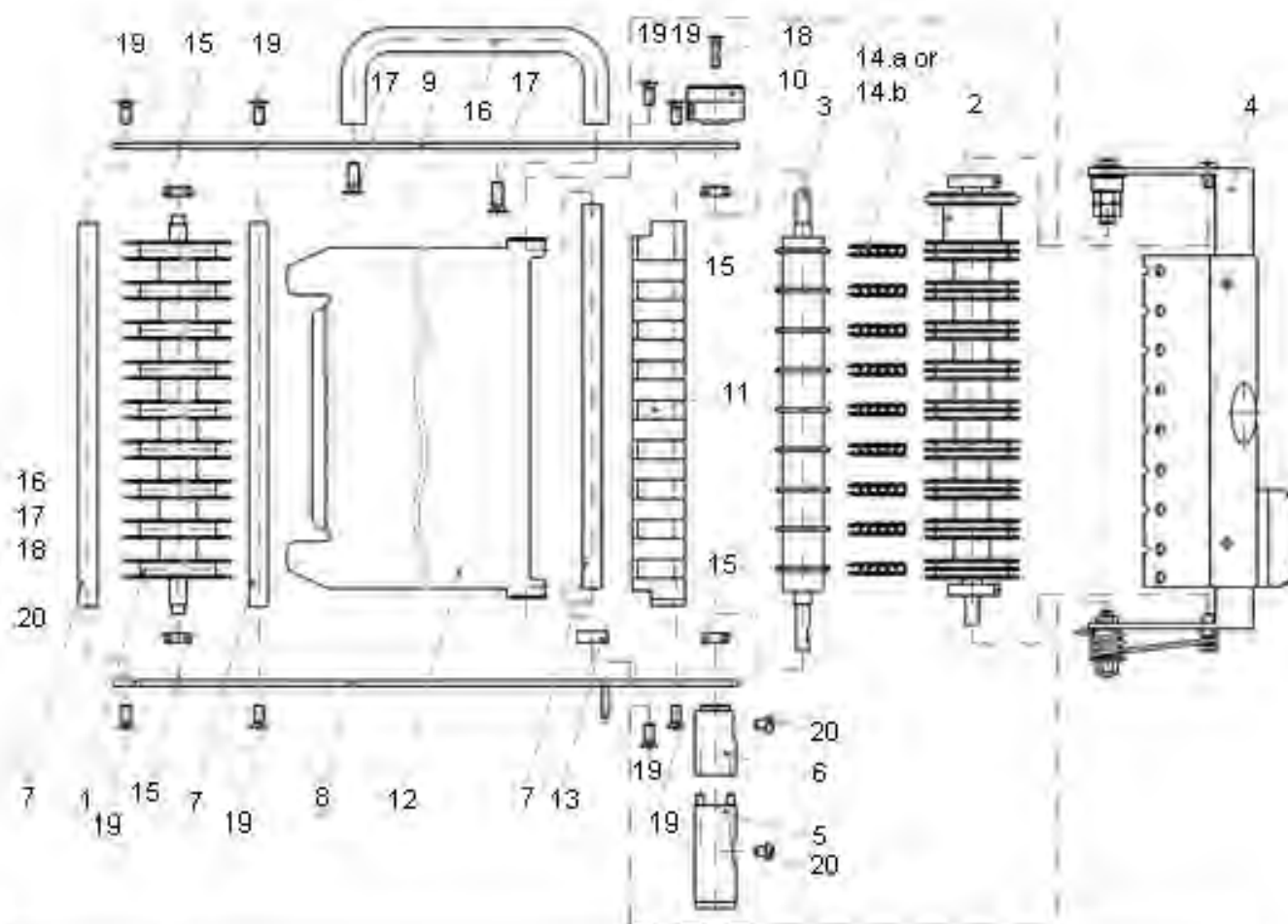
| REF. # | DESCRIPTION | PART# |
|--------|--------------------------|-----------|
| 6.4.1 | Gasket | 20.231.00 |
| 6.4.2 | Rotary shaft | 56.223278 |
| 6.19 | Deep groove ball bearing | 50.6000RS |

1.22. Drawing 22: Step Motor for Chain Drive



| REF. # | DESCRIPTION | PART# |
|--------|---------------------|-----------|
| 6.5.1 | Synchronizing plate | 15.015635 |
| 6.5.2 | Threaded pin | 549160506 |
| 4.32.1 | Step motor | 15.002.72 |

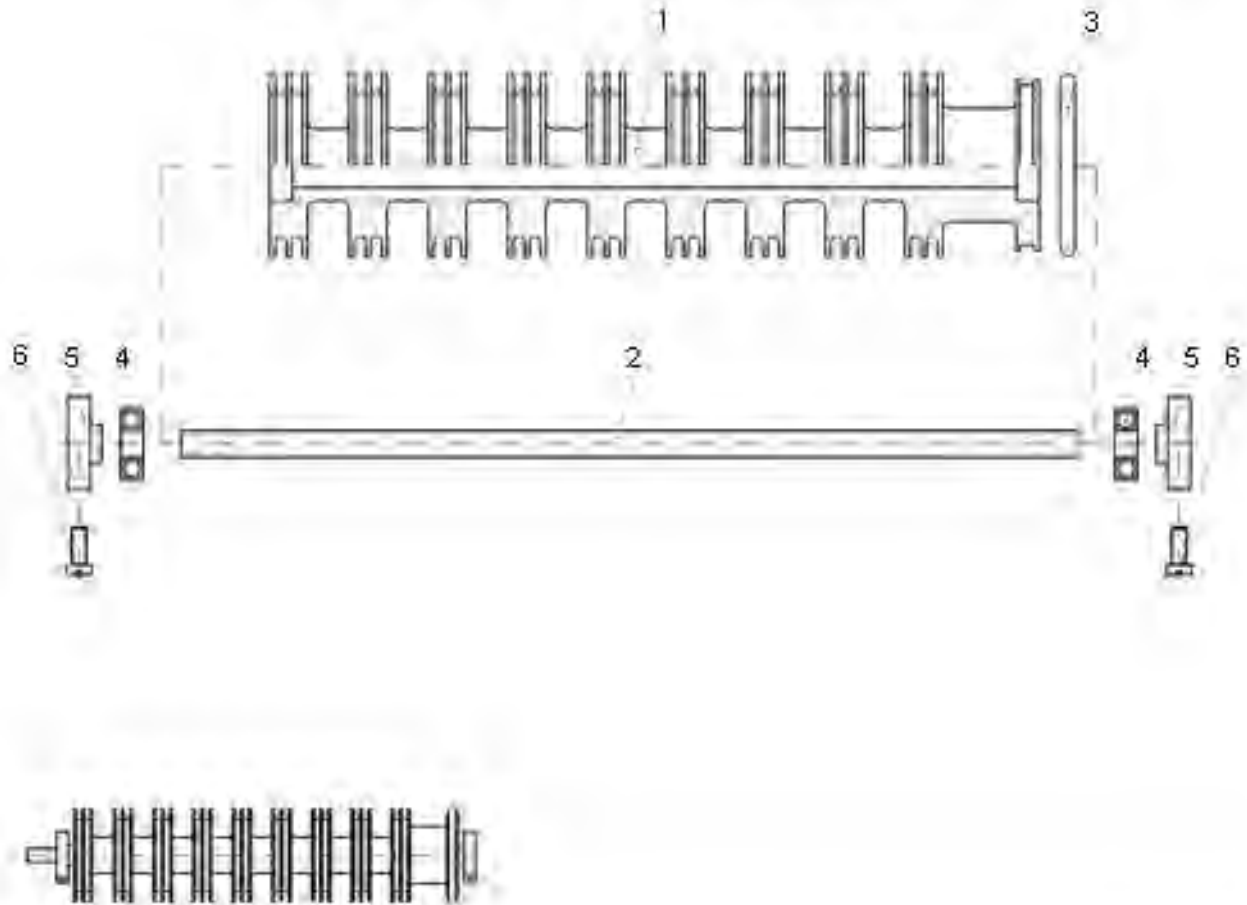
1.23. Drawing 23: Chain Drive Assembly



| REF. # | DESCRIPTION | PART# |
|--------|---------------------------------------|-----------|
| 1 | Guide roller assembly | 20K202.10 |
| 2 | Press roller assembly (Drawing XX) | 20K203.06 |
| 3 | Drive shaft assembly | 20K204.10 |
| 4 | Bracket for press roller (Drawing XX) | 20K277.60 |
| 5 | Lower coupler assembly | 20K208.00 |
| 6 | Upper coupler | 20.209.00 |
| 7 | Spacer rod for chain frame | 20.206.10 |
| 8 | Chain frame assembly - bottom | 20Z210.10 |
| 9 | Chain frame - upper | 20.211.10 |
| 10 | Friction ring | 20.265.00 |
| 11 | Guide rail | 20.215.10 |
| 12 | Chain guard | 20.282.00 |
| 13 | Spacer for chain guard | 20.282.10 |
| 14a | Chain with spikes | 20.220.00 |
| 14b | Chain for cheese | 20.220.10 |

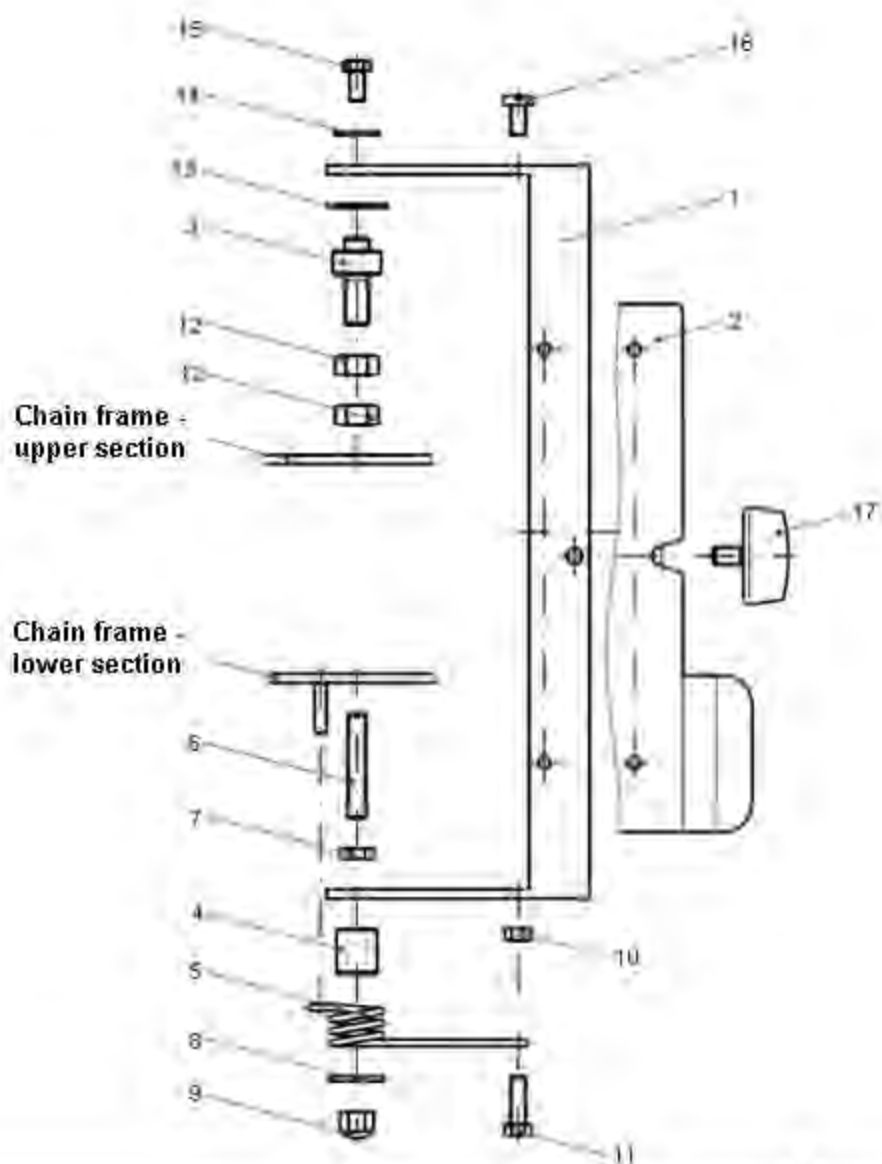
| | | |
|----|-------------------|-----------|
| 15 | Bearing | 50.F687RS |
| 16 | Handle | 57.001.20 |
| 17 | Countersunk screw | 609630616 |
| 18 | Countersunk screw | 609630416 |
| 19 | Countersunk screw | 609630512 |
| 20 | Cylindrical screw | 600840506 |

1.24. Drawing 25: Press Roller Assembly



| REF. # | DESCRIPTION | PART# |
|--------|---------------------------------|-----------|
| 1 | Press roller | 20.262.06 |
| 2 | Axle for press roller | 20.203.00 |
| 3 | O-ring | 65.040040 |
| 4 | Deep groove bearing | 50.N607RS |
| 5 | Spacer bushing for press roller | 20.203.10 |
| 6 | Cylindrical screw | 600840411 |

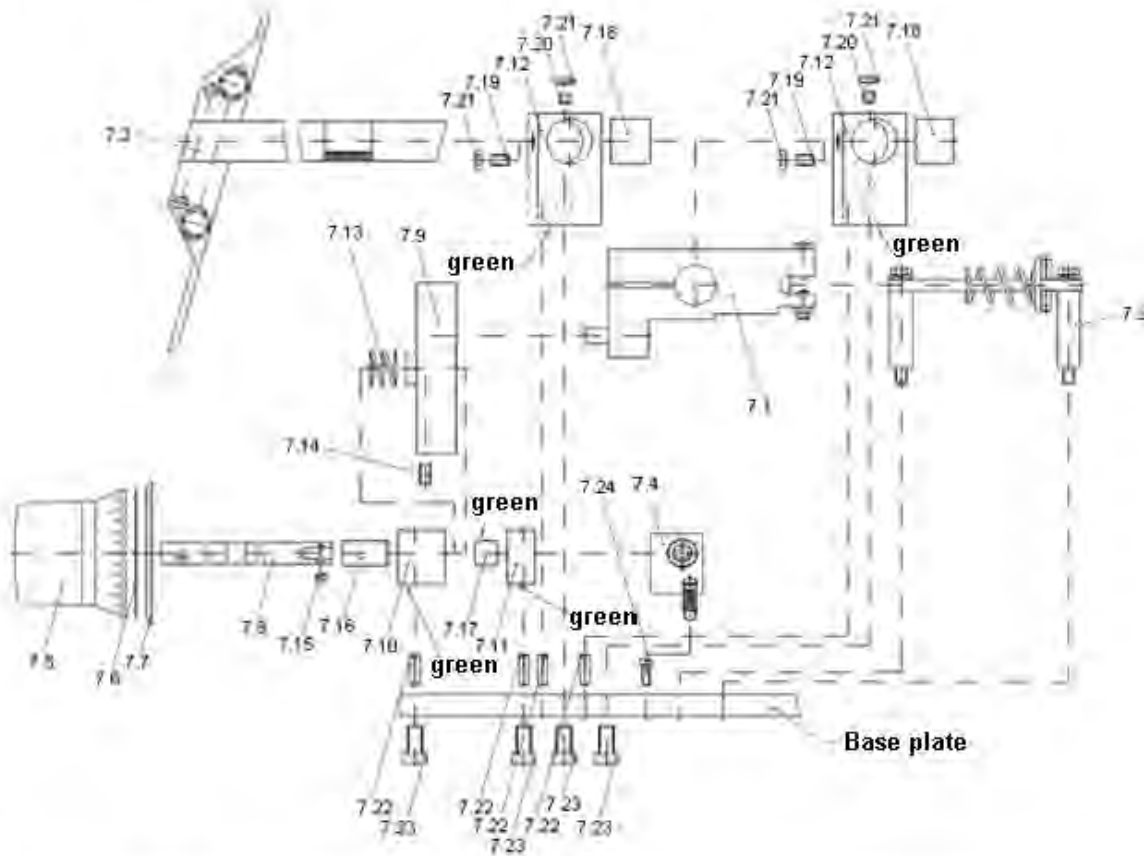
1.25. Drawing 26: Deflecting Comb Bracket



| REF. # | DESCRIPTION | PART# |
|--------|-------------------------------|-----------|
| 1 | Bracket for deflection roller | 20.277.50 |
| 2 | Comb | 20.207.06 |
| 3 | Guide pin for bracket | 20.212.01 |
| 4 | Spring adjustment | 20.213.10 |
| 5 | Torsion spring | 20.214.10 |
| 6 | Threaded pin | 545510635 |
| 7 | Hex nut | 604390006 |
| 8 | Washer | 599021065 |
| 9 | Hex cap nut | 609170007 |
| 10 | Hex nut | 609340005 |

| | | |
|----|------------------------|-------------|
| 11 | Hex screw | 609330516 |
| 12 | Hex nut | 609340008 |
| 13 | Washer for chain frame | 58.200802 |
| 14 | Washer | 599021053 |
| 15 | Hex screw | 609330510 |
| 16 | Flat head screw | 600850510 |
| 17 | Wing screw | 604640610Ex |

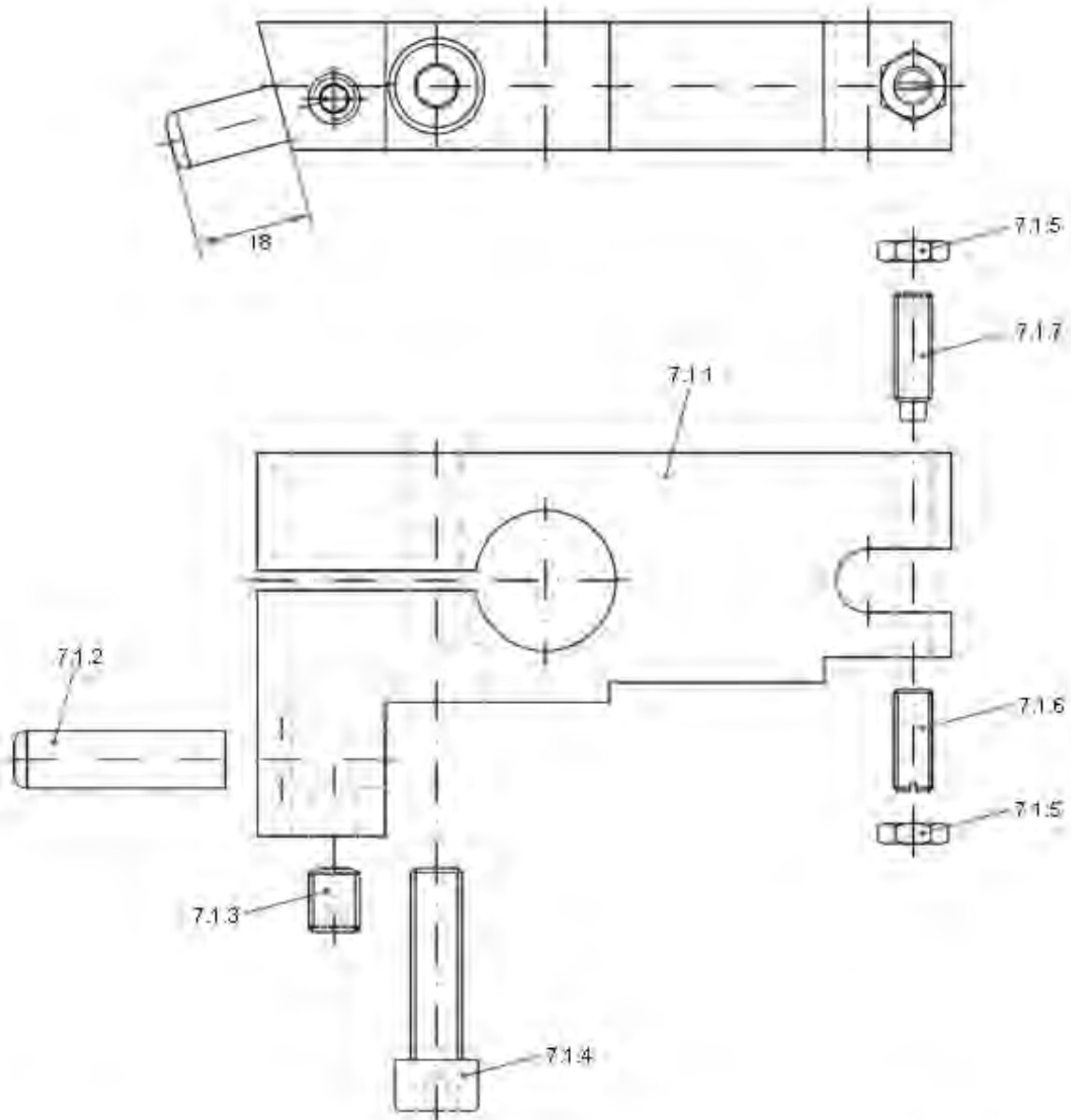
1.26. Drawing 27: Index Mechanism Assembly



| REF. # | DESCRIPTION | PART# |
|--------|---|-----------|
| 7.1 | Adjusting knob assembly (Drawing 28) | 20K350.00 |
| 7.2 | Guide strap assembly (Drawing 29) | 20K373.00 |
| 7.3 | Thickness plate support assembly (Drawing 30) | 20K374.00 |
| 7.4 | Potentiometer assembly (Drawing 31) | 20K375.00 |
| 7.5 | Thickness knob assembly | 20K376.00 |
| 7.6 | Slide washer for thickness knob | 52.052.20 |
| 7.7 | Washer for thickness knob | 14.110.00 |
| 7.8 | Bolt for spiral washer | 20.371.00 |

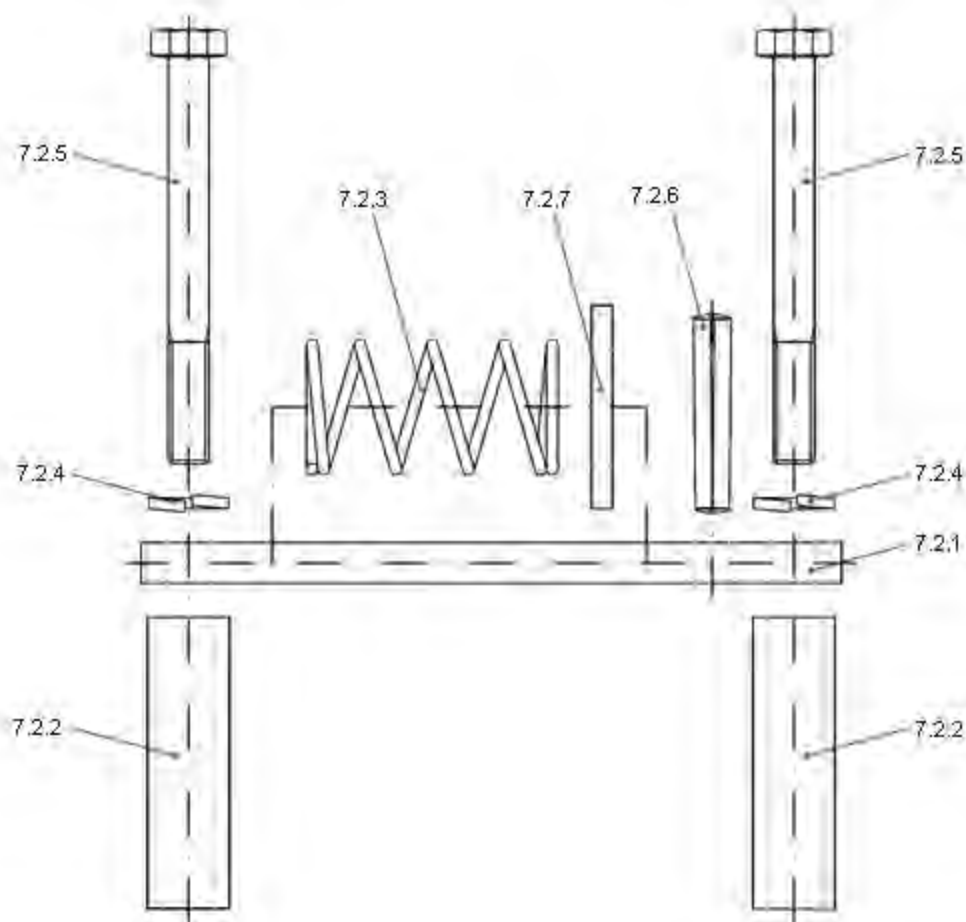
| | | |
|------|--------------------------|-----------|
| 7.9 | Spiral washer | 20.372.00 |
| 7.1. | Spiral washer bearing | 14.100.00 |
| 7.11 | Adjusting bracket 1 | 15.102.00 |
| 7.12 | Adjusting bracket 2 | 15.103.00 |
| 7.13 | Spring for spiral washer | 52.022.00 |
| 7.14 | Threaded pin | 549160612 |
| 7.15 | Threaded pin | 549160506 |
| 7.16 | DU-bushing | 61.001225 |
| 7.17 | DU-bushing | 61.001212 |
| 7.18 | DU-bushing | 61.222520 |
| 7.19 | Threaded pin | 549130610 |
| 7.20 | Threaded pin | 549130606 |
| 7.21 | Hex nut | 604390006 |
| 7.22 | Grooved taper pin | 541471516 |
| 7.23 | Socket head screw | 607984816 |
| 7.24 | Hex screw | 600840413 |

1.27. Drawing 28: Adjusting Block Assembly



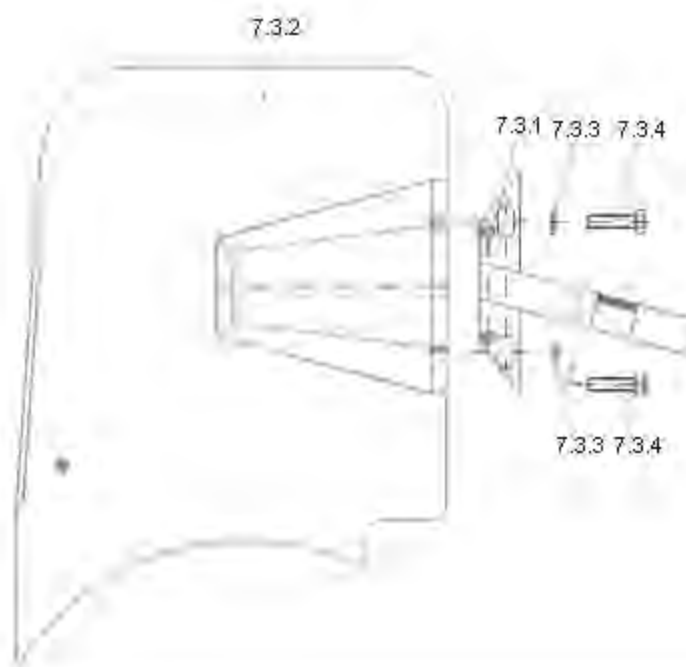
| REF. # | DESCRIPTION | PART# |
|--------|----------------------|-----------|
| 7.1.1 | Adjusting lever | 20.350.00 |
| 7.1.2 | Pin for spiral wheel | 13.101.20 |
| 7.1.3 | Threaded pin | 549160810 |
| 7.1.4 | Socket head screw | 609120830 |
| 7.1.5 | Hex nut | 604390006 |
| 7.1.6 | Threaded pin | 545510616 |
| 7.1.7 | Threaded pin | 549150620 |

1.28. Drawing 29: Index Guide Strap Assembly



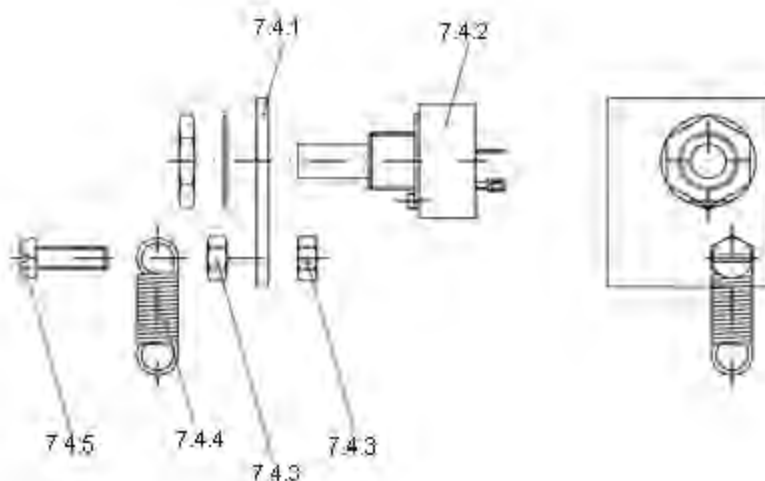
| REF. # | DESCRIPTION | PART# |
|--------|--------------------------|-----------|
| 7.2.1 | Guide strap | 14.155.00 |
| 7.2.2 | Distance piece for strap | 15.104.00 |
| 7.2.3 | Spring for strap | 52.017.00 |
| 7.2.4 | Spring washer | 590127006 |
| 7.2.5 | Hex screw | 609310660 |
| 7.2.6 | Grooved taper pin | 541471528 |
| 7.2.7 | Washer | 590125170 |

1.29. Drawing 30: Thickness Plate Support Assembly



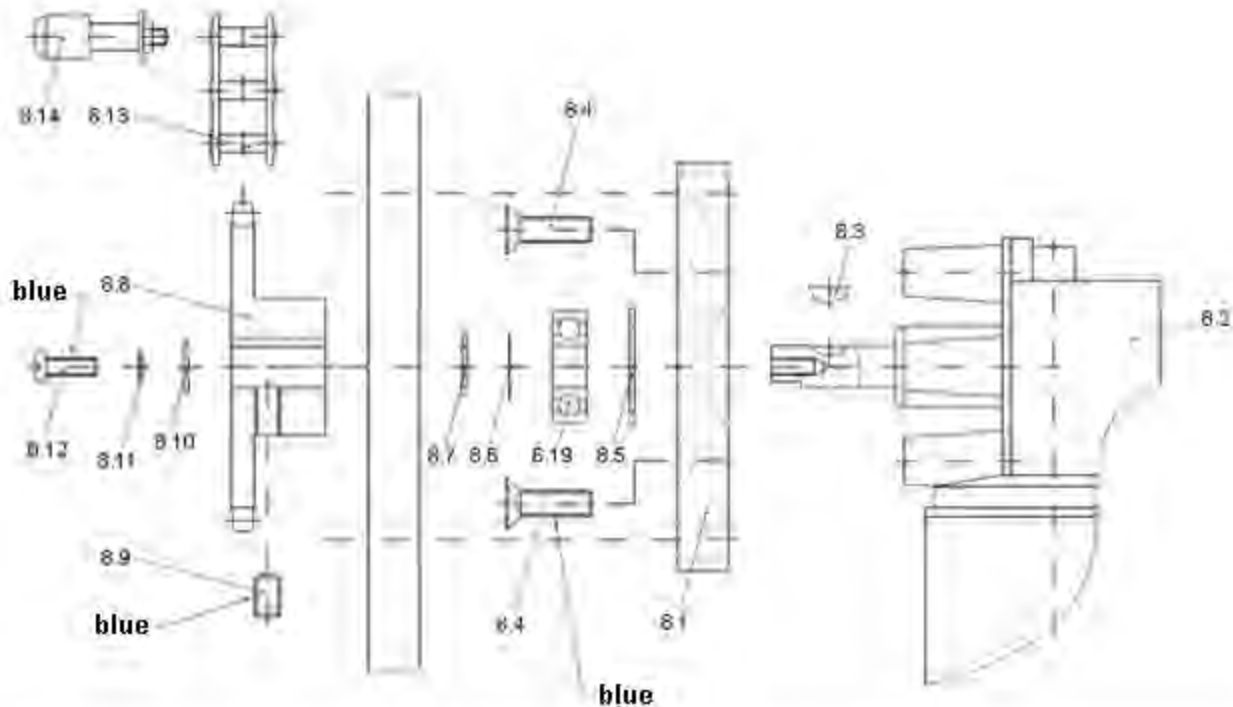
| REF. # | DESCRIPTION | PART# |
|--------|----------------------------------|-----------|
| 7.3.1 | Thickness plate support assembly | 20Z374.00 |
| 7.3.2 | Thickness plate assembly | 20K300.00 |
| 7.3.3 | Washer | 590125085 |
| 7.3.4 | Hex screw | 609330830 |

1.30. Drawing 31: Potentiometer Assembly



| REF. # | DESCRIPTION | PART# |
|--------|-------------------------------|-----------|
| 7.4.1 | Metal plate for potentiometer | 51.007.18 |
| 7.4.2 | Potentiometer | 51.007.17 |
| 7.4.3 | Hex nut | 609340004 |
| 7.4.4 | Pull spring | 52.106.00 |
| 7.4.5 | Hex screw | 600840413 |

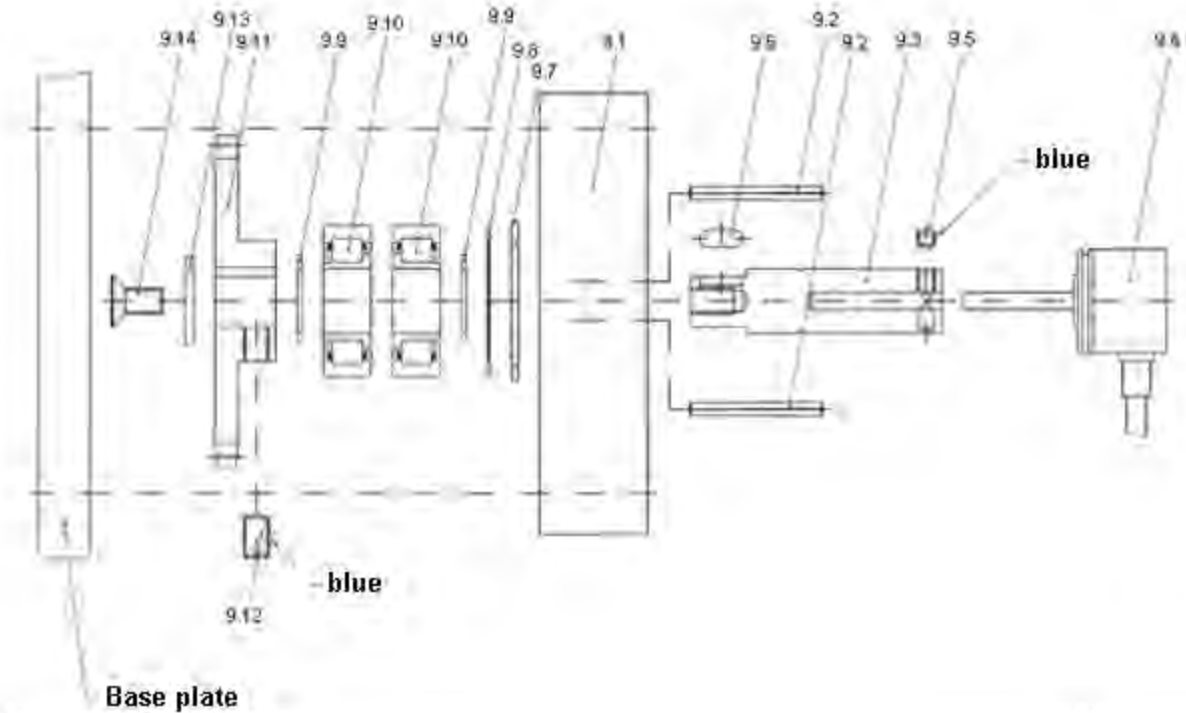
1.31. Drawing 32: Carriage Chain Tensioner Assembly



| REF. # | DESCRIPTION | PART# |
|--------|--------------------|-----------|
| 8.1 | Chain tensioner | 20.400.00 |
| 8.2 | DC Motor | 13.152.00 |
| 8.3 | Spring washer | 52.688833 |
| 8.4 | Countersunk screw | 607991621 |
| 8.5 | Retaining ring | 590472026 |
| 8.6 | Adjustin washer | 590988101 |
| 8.7 | Retaining ring | 590471010 |
| 8.8 | Chain wheel/ motor | 20.401.00 |
| 8.9 | Threaded pin | 549160610 |
| 8.10 | Washer | 599021E43 |
| 8.11 | Toothed washer | 556797043 |

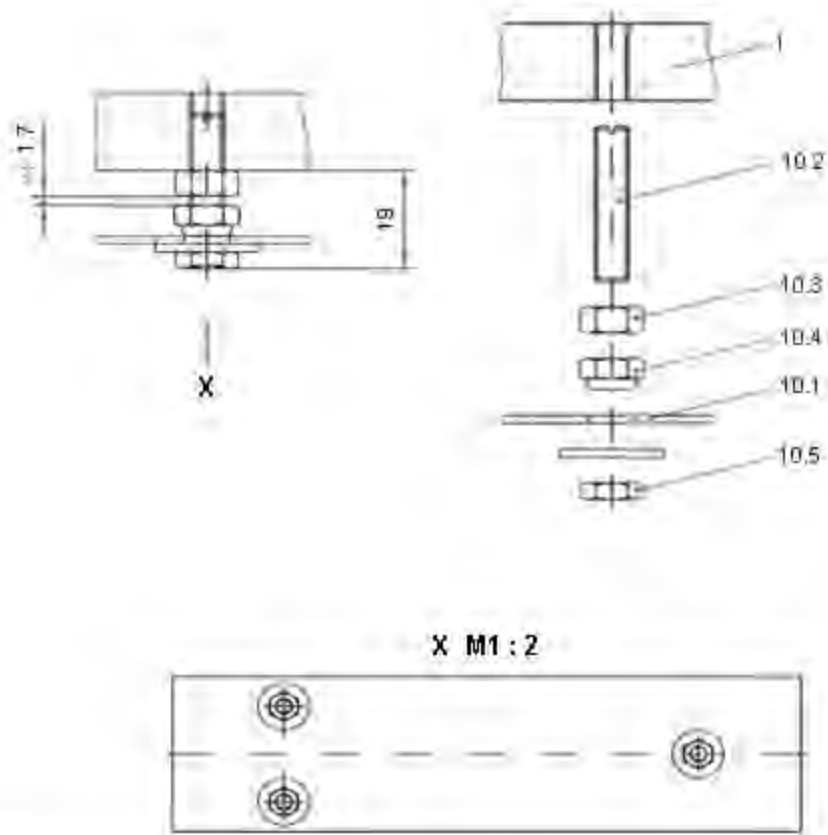
| | | |
|------|--------------------------|-----------|
| 8.12 | Cylinder head screw | 600840411 |
| 8.13 | roller chain | 15.406.00 |
| 8.14 | Bolt for roller chain | 06K137.00 |
| 6.19 | Deep groove ball bearing | 50.6000RS |

1.32. Drawing 33: Chain Wheel Carrier Assembly



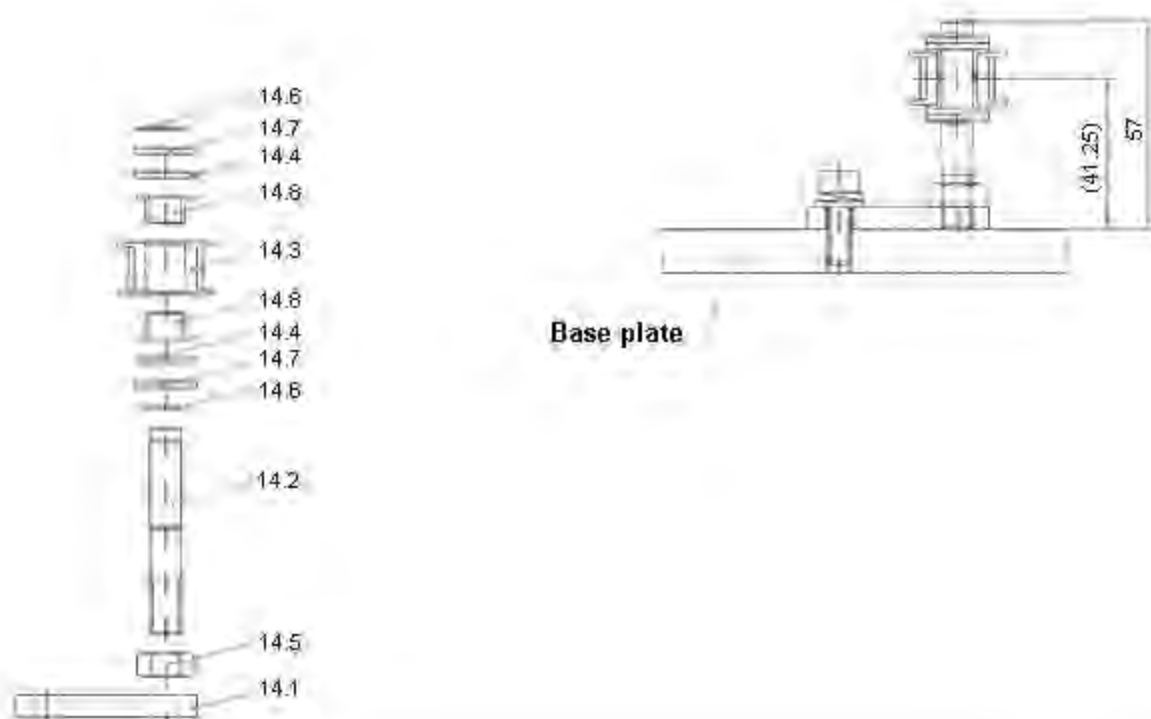
| REF. # | DESCRIPTION | PART# |
|--------|-----------------------------------|-----------|
| 9.1 | Support plate | 20.430.00 |
| 9.2 | Grooved taper pin | 541471330 |
| 9.3 | Carrier shaft | 20.431.00 |
| 9.4 | Encoder | 51.203.02 |
| 9.5 | Threaded pin | 549160403 |
| 9.6 | Feather key | 52.688541 |
| 9.7 | Retaining ring | 590472035 |
| 9.8 | Levelling washer for ball bearing | 590283405 |
| 9.9 | Retaining ring | 590471015 |
| 9.10 | Cylindrical ball bearing | 50.0NJ202 |
| 9.11 | Chain wheel | 15.405.00 |
| 9.12 | Threaded pin | 549160610 |
| 9.13 | Washer | 590125105 |
| 9.14 | Countersunk screw | 607991612 |

1.33. Drawing 34: Chain Drive Cover Plate



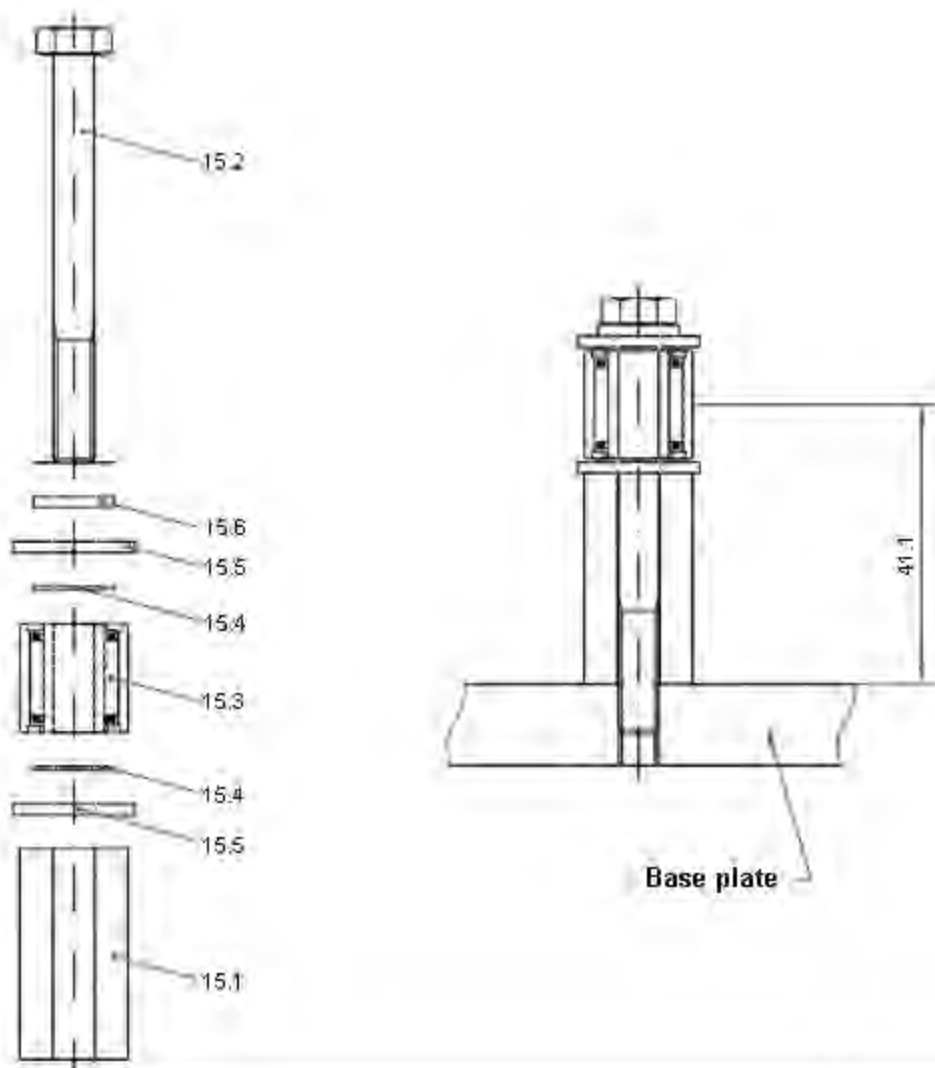
| REF. # | DESCRIPTION | PART# |
|--------|-------------------------|-----------|
| 10.1 | Chain drive cover plate | 20.450.00 |
| 10.2 | Threaded pin | 545510630 |
| 10.3 | Hex nut | 609340006 |
| 10.4 | Hex nut | 609850006 |
| 10.5 | Hex nut | 604390006 |
| 1 | Base plate | 20.000.00 |

1.34. Drawing 38: Tensioner Assembly



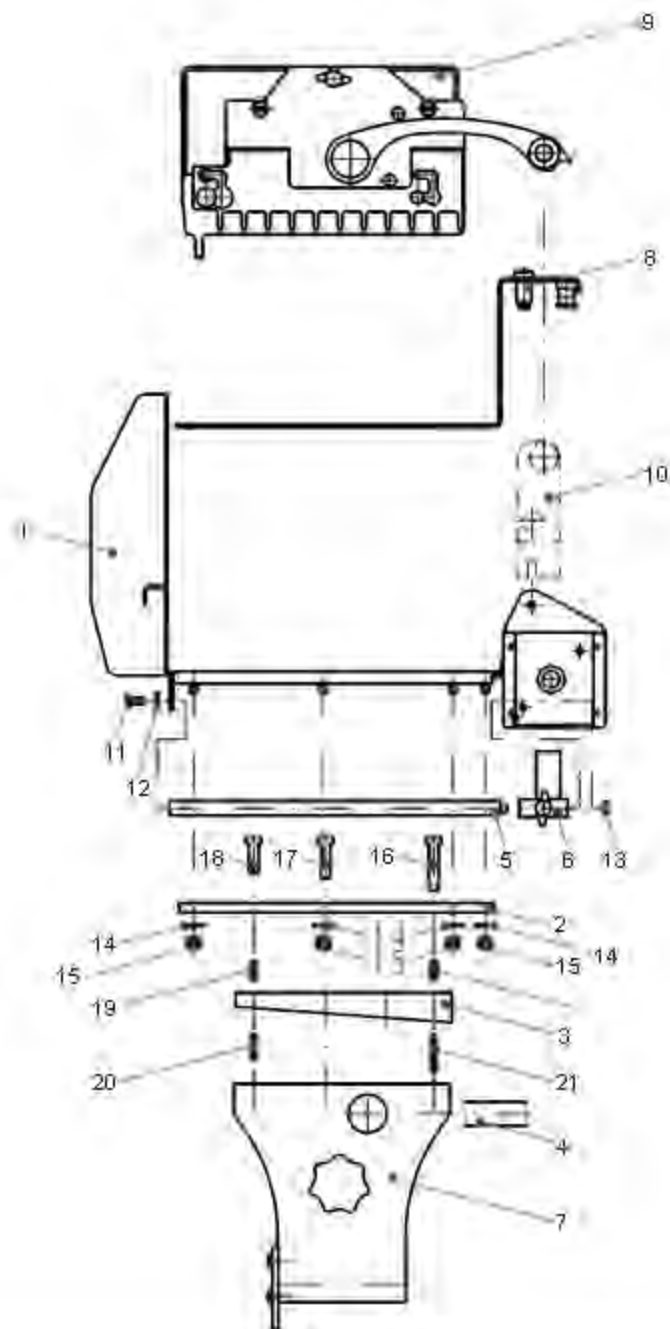
| REF. # | DESCRIPTION | PART# |
|--------|-----------------------------------|-----------|
| 14.1 | Tensioner plate | 20.011.00 |
| 14.2 | Tensioner axle | 20.012.00 |
| 14.3 | Synchronizing plate for tensioner | 20.013.00 |
| 14.4 | Washer | 590125086 |
| 14.5 | Hex nut | 609340008 |
| 14.6 | Retaining ring | 590471008 |
| 14.7 | Washer | 590125085 |
| 14.8 | Flange sleeve | 61.BB0808 |

1.35. Drawing 39: Deflection Roller for Base Plate



| REF. # | DESCRIPTION | PART# |
|--------|--|-----------|
| 15.1 | Support for deflection roller - base plate | 20.017.00 |
| 15.2 | Hex screw | 609310660 |
| 15.3 | Needle bearing | 50.NKI616 |
| 15.4 | Adjusting washer | 590988061 |
| 15.5 | Seal | 58.240602 |
| 15.6 | Washer | 590125065 |

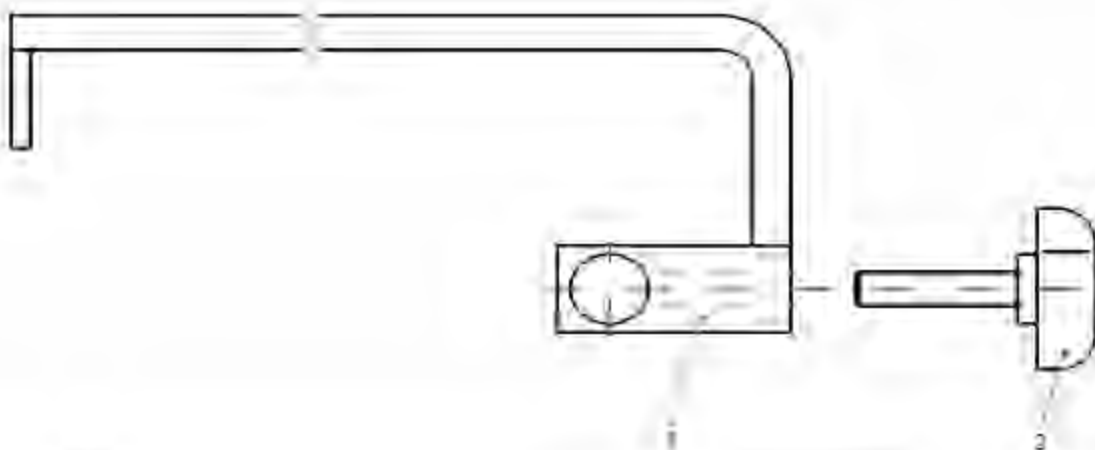
1.36. Drawing 40: Carriage Assembly (medium)



| REF. # | DESCRIPTION | PART# |
|--------|-----------------------------|-----------|
| 1 | Carriage (medium) assembly | 20Z650J10 |
| 2 | Carriage plate (medium) | 20.652J10 |
| 3 | Wedge | 20.660.00 |
| 4 | Cable duct (medium) | 20Z661J10 |
| 5 | Guide rod for adjusting arm | 20.654J00 |

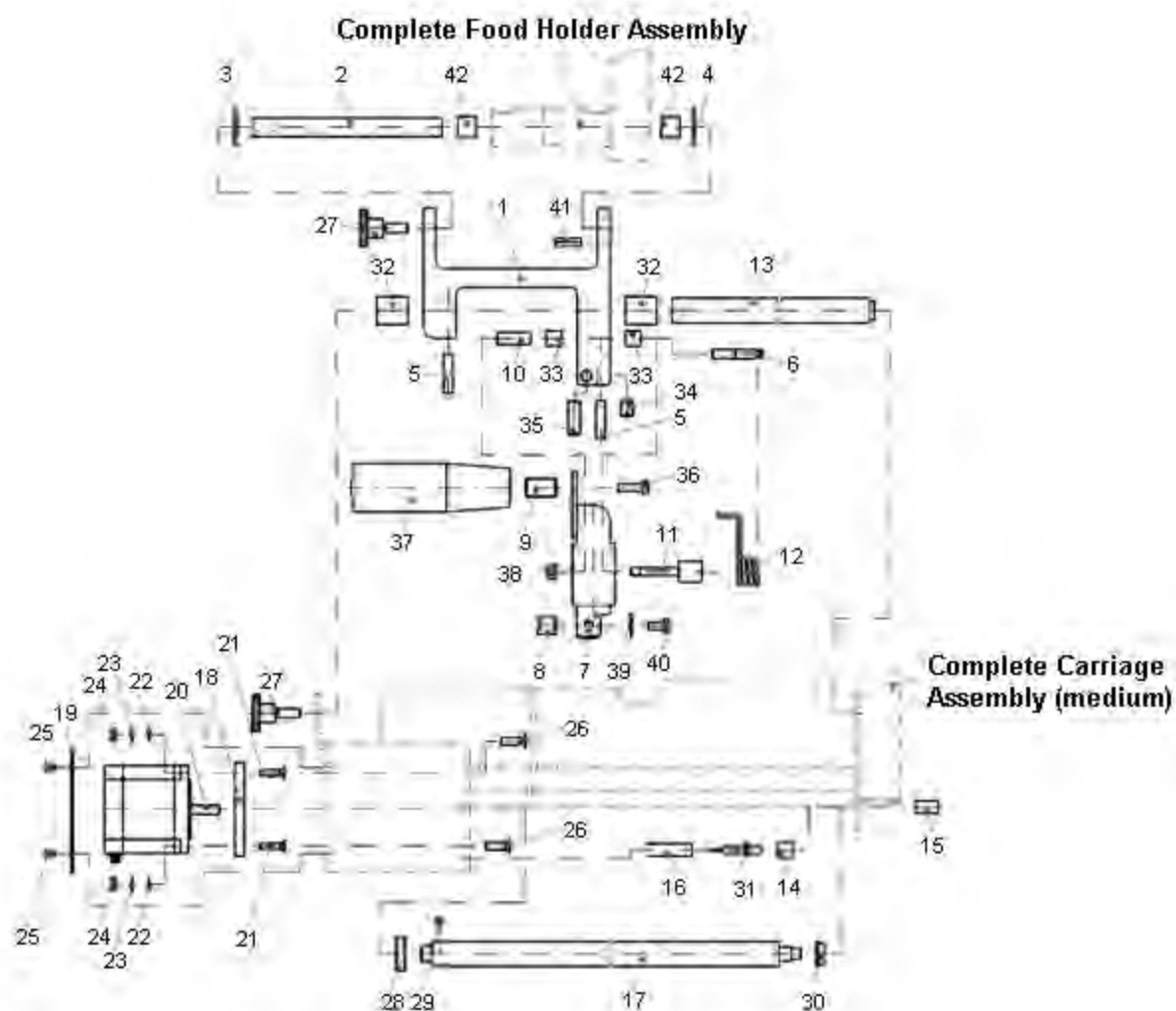
| | | |
|----|--|-----------|
| 6 | Product support arm assembly (medium) | 20K655J11 |
| 7 | Carriage arm | 20K470J00 |
| 8 | Lower food plate assembly | 20K670.01 |
| 9 | End piece holder assembly | 20K500J00 |
| 10 | Driving unit for end piece holder (medium) | 20K600J10 |
| 11 | Hex screw | 609330510 |
| 12 | Washer | 599021053 |
| 13 | Hex nut | 604390006 |
| 14 | Washer | 599021065 |
| 15 | Hex cap nut | 609170007 |
| 16 | Cylinder screw | 607984840 |
| 17 | Cylinder screw | 607984830 |
| 18 | Cylinder screw | 607984825 |
| 19 | Grooved taper pin | 541471516 |
| 20 | Grooved taper pin | 541471420 |
| 21 | Grooved taper pin | 541471430 |

1.37. Drawing 43: Product Support Arm (medium)



| REF. # | DESCRIPTION | PART# |
|--------|------------------------------|-----------|
| 1 | Product support arm assembly | 20Z655J11 |
| 2 | Wing nut | 20Z656J50 |

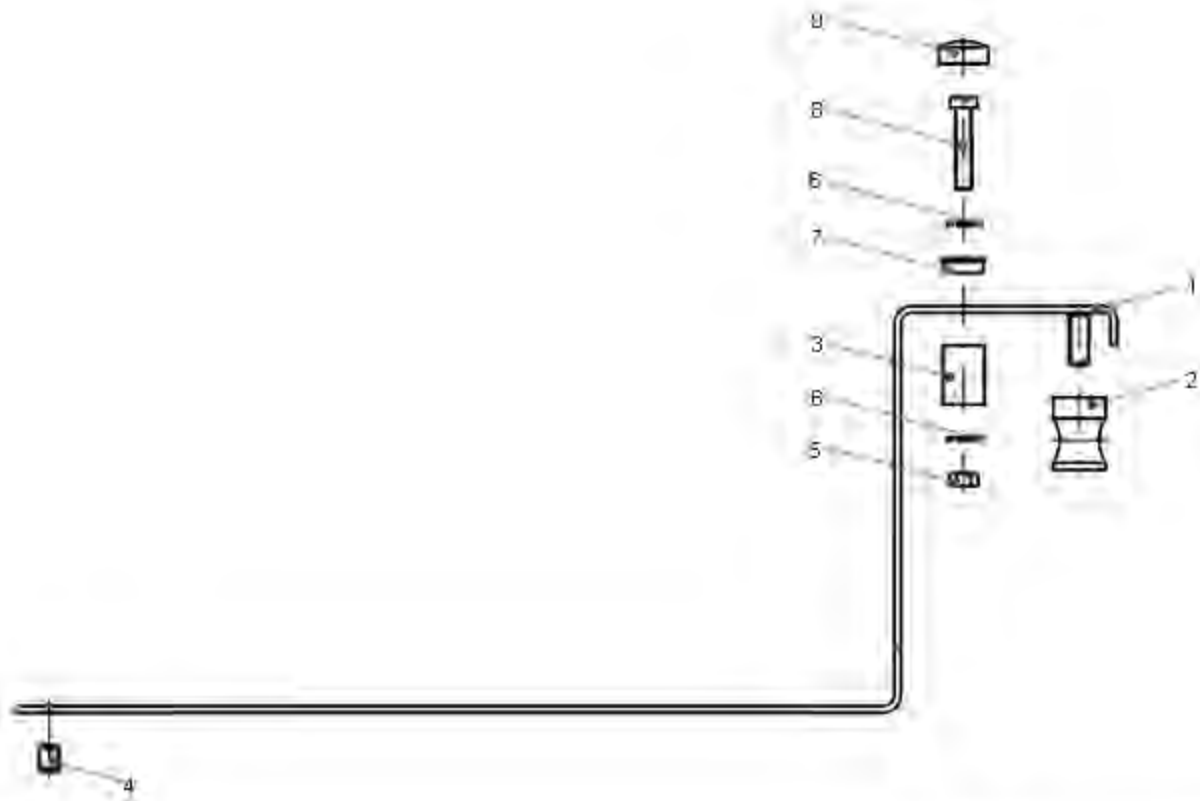
1.38. Drawing 45: Driving Unit for End Piece Holder (medium)



| REF. # | DESCRIPTION | PART# |
|--------|------------------------------------|-----------|
| 1 | End piece holder | 20.601J00 |
| 2 | Guide rod for end piece holder arm | 20.604J00 |
| 3 | Washer for end piece holder arm | 20.605.00 |
| 4 | Washer for end piece holder arm | 20.605.10 |
| 5 | Round magnet | 28.117.00 |
| 6 | Retaining bolt for spring | 20.620J10 |
| 7 | Release | 20.614.00 |
| 8 | Trapezoidal threaded nut | 20.618.00 |
| 9 | Threaded pin | 02.516.00 |
| 10 | Bushing for release | 20.619.00 |

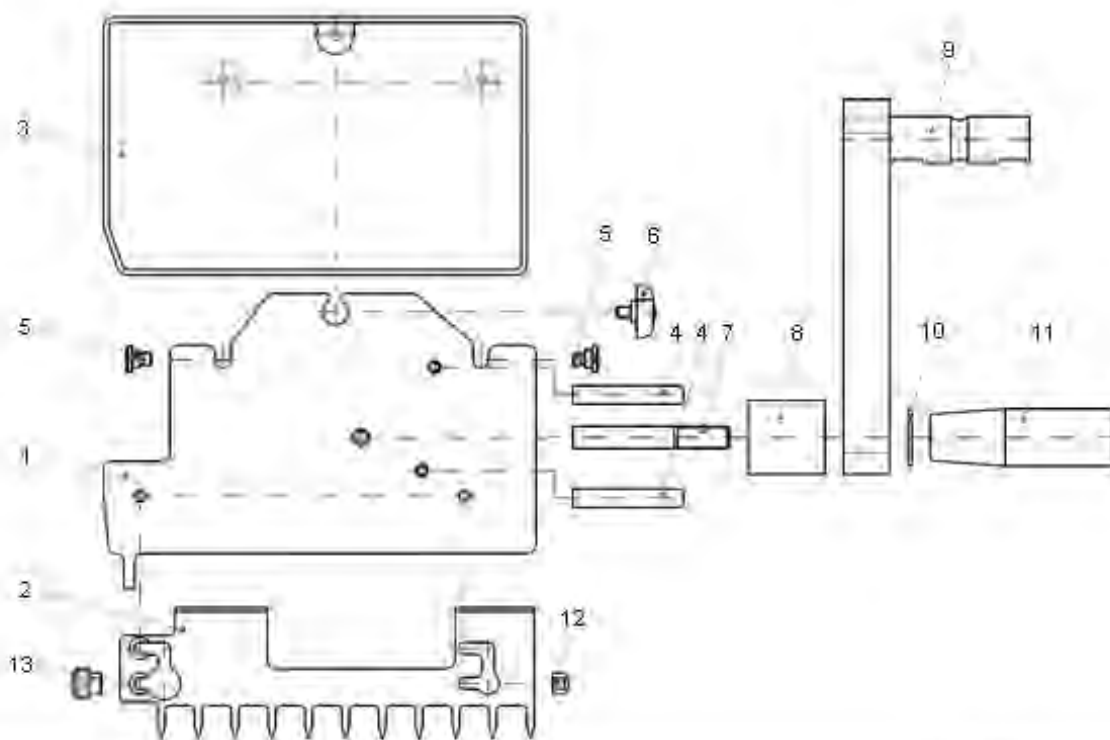
| | | |
|----|---|-----------|
| 11 | Mounting for spring | 20.619.00 |
| 12 | Torsion spring | 20.106J00 |
| 13 | Guide rod for end piece holder (medium) | 20.617J10 |
| 14 | Pipe adapter | 20.621J00 |
| 15 | Nut for pipe adapter | 20.621J10 |
| 16 | Cable duct | 20.621J20 |
| 17 | Trapezoidal spindle | 20.613.11 |
| 18 | Step motor plate | 20.609.00 |
| 19 | Front plate for Motor cover | 20.608.00 |
| 20 | Stepmotor | 15.002.75 |
| 21 | Countersunk screw | 609630416 |
| 22 | Toothed washer | 556797043 |
| 23 | Washer | 590125044 |
| 24 | Hex nut | 609340004 |
| 25 | Hex screw | 609630306 |
| 26 | Hex screw | 609630515 |
| 27 | Knurled knob | 604640615 |
| 28 | Shaft seal | 56.102206 |
| 29 | Threaded pin | 545530505 |
| 30 | Bearing | 50.F687RS |
| 31 | Reed sensor | 05.820.00 |
| 32 | Bushing | 61.001620 |
| 33 | Bushing | 61.000810 |
| 34 | Threaded pin | 545510810 |
| 35 | Threaded pin | 20.620J20 |
| 36 | Cylinder screw | 600840516 |
| 37 | Handle | 57.519311 |
| 38 | Hex Cap nut | 609170025 |
| 39 | Washer | 599021053 |
| 40 | Hex screw | 609330510 |
| 41 | Grooved taper pin | 541471516 |
| 42 | Bushing | 61.001212 |

1.39. Drawing 46: Lower Food Plate



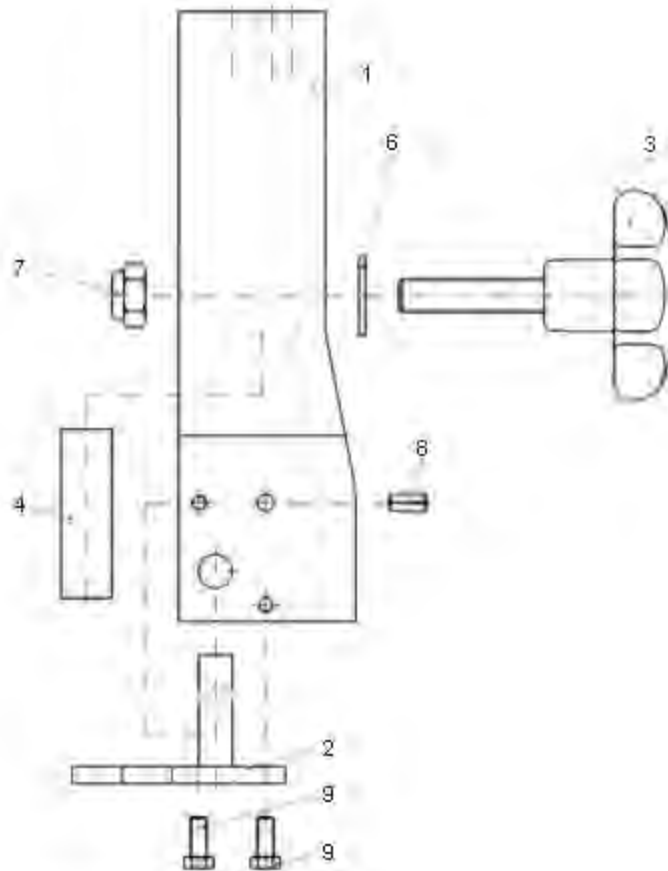
| REF. # | DESCRIPTION | PART# |
|--------|-------------------------------|-----------|
| 1 | Lower food plate assembly | 20Z670.01 |
| 2 | Guide for lower food plate | 20.671.01 |
| 3 | Mounting for lower food plate | 20.672.00 |
| 4 | Threaded pin | 545510608 |
| 5 | Hex nut | 609340005 |
| 6 | Washer | 590125051 |
| 7 | Cap | 58.010010 |
| 8 | Hex screw | 600840525 |
| 9 | Cap | 58.010011 |

1.40. Drawing 47: End Piece Holder Assembly



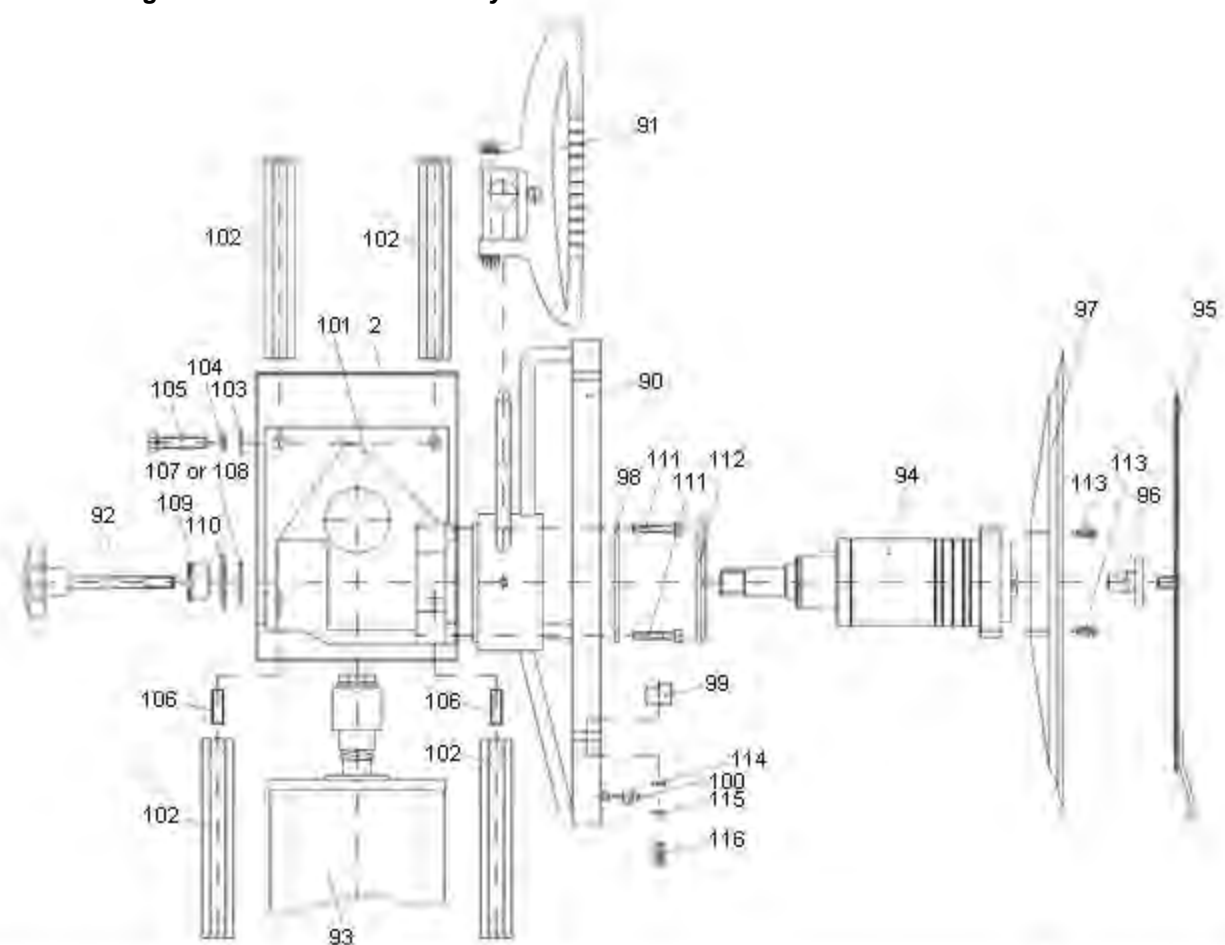
| REF. # | DESCRIPTION | PART# |
|--------|------------------------------------|------------|
| 1 | End piece holder | 20.502.00 |
| 2 | Comb for end piece holder | 20.503.00 |
| 3 | End piece holder plate | 14.K046.10 |
| 4 | Limiting bolt for end piece holder | 20.502J10 |
| 5 | Flat head screw | 20.502J20 |
| 6 | Wing nut | 20Z509J00 |
| 7 | Bolt for end piece holder | 20.504.10 |
| 8 | Spacer for end piece holder | 20.505J00 |
| 9 | Endpiece holder arm assembly | 20Z600J01 |
| 10 | Washer for handle | 58.301202 |
| 11 | Handle | 57.519311 |
| 12 | Hex cap nut | 609170007 |
| 13 | Knurled knob | 65.000011 |

1.41. Drawing 50: Carriage Support Arm Assembly



| REF. # | DESCRIPTION | PART# |
|--------|-----------------------|---------------------------|
| 1 | Carriage arm | 20.470.J00 |
| 2 | Tilt support assembly | 20K471.00 |
| 3 | Star knob assembly | 20Z473.00 |
| 4 | Plastic tube | 20.474.00 |
| 6 | Washer | 20.605.00 |
| 7 | Hex nut | 60985510 |
| 8 | Grooved taper pin | 541471510 |
| 9 | Hex screw | 609330512 |

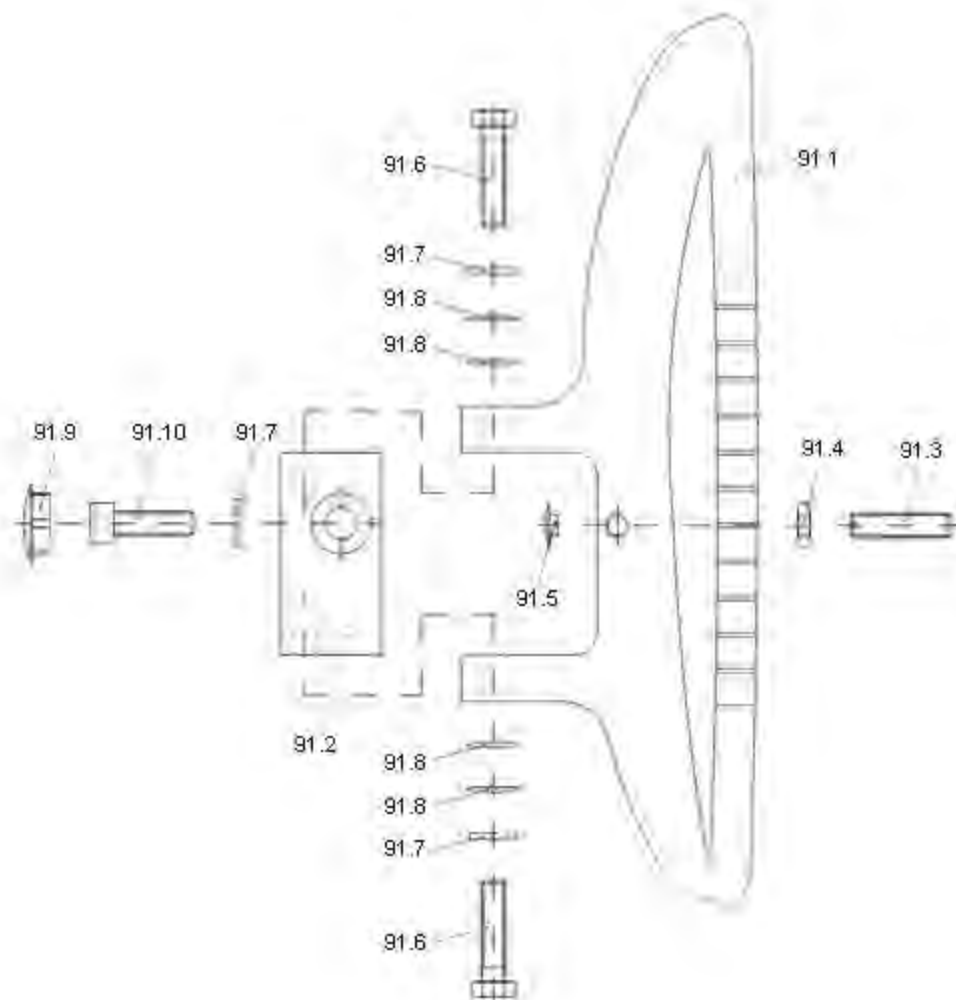
1.42. Drawing 51: Blade Guard Assembly



| REF. # | DESCRIPTION | PART# |
|--------|---|-----------|
| 90 | Fixed protection ring around blade edge | 20Z754.00 |
| 91 | Deflector assembly | 20K250.00 |
| 92 | Fixing shaft for blade guard | 20K755.00 |
| 93 | Motor assembly | 20K756.00 |
| 94 | Knife hub assembly | 13K002.12 |
| 95 | Blade guard assembly | 13Z008.32 |
| 96 | Blade guard flange | 13.008.32 |
| 97 | 330 mm blade | 13.007.50 |
| 98 | Mounting ring for blade guard | 14.040.20 |
| 99 | Nylon block guard | 20.851.00 |
| 100 | Mounting for blade guard | 13.008.80 |
| 101 | Gear bearing | 14.002.00 |
| 102 | Support for blade bearing | 14.170.00 |
| 103 | Washer | 590125085 |
| 104 | Spring washer | 590127008 |

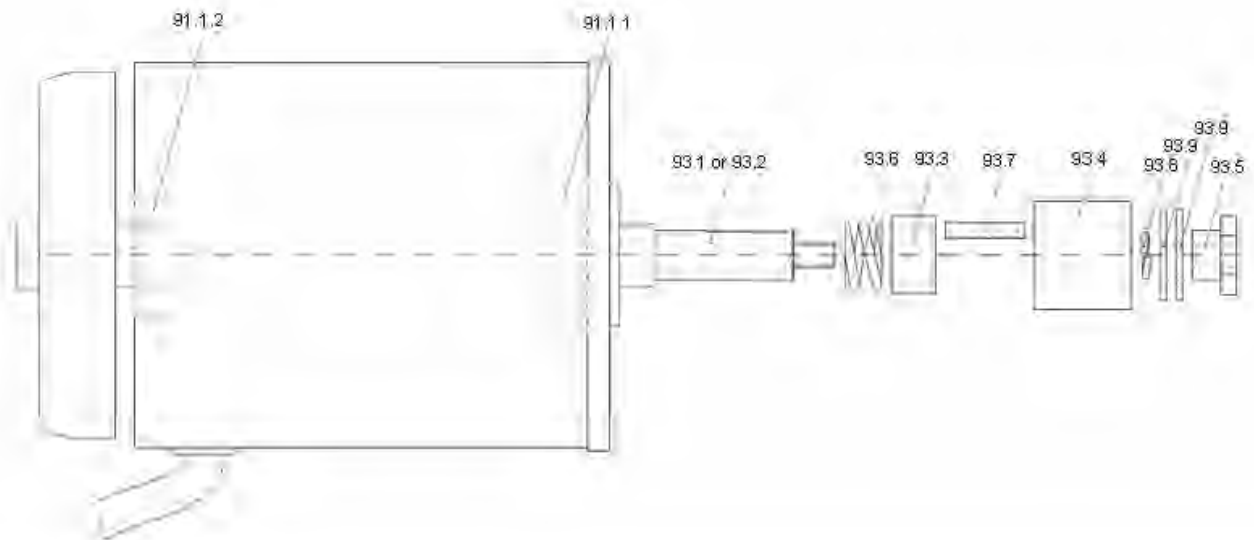
| | | |
|-----|-------------------------------------|-----------|
| 105 | Hex screw | 609330835 |
| 106 | Threaded pin | 545510825 |
| 107 | Compensation disc for knife hub nut | 15.200.00 |
| 108 | Compensation disc for knife hub nut | 15.201.00 |
| 109 | Nut for knife axle | 14.002.31 |
| 110 | Ring | 58.402402 |
| 111 | Cylindrical screw | 609120530 |
| 112 | Deflector | 56.808847 |
| 113 | Countersunk screw | 609630512 |
| 114 | Washer | 590125051 |
| 115 | Toothed washer | 556797055 |
| 116 | Hex screw | 609330512 |
| 2 | Body assembly | 20Z001.00 |

1.43. Drawing 52: Deflector Assembly



| REF. # | DESCRIPTION | PART# |
|--------|-------------------|-----------|
| 91.1 | Deflector | 20.250.00 |
| 91.2 | Deflector support | 20.251.00 |
| 91.3 | Threaded pin | 545510625 |
| 91.4 | Hex nut | 604390006 |
| 91.5 | Cap | 58.0M6SW5 |
| 91.6 | Hex screw | 609330625 |
| 91.7 | Washer | 590125065 |
| 91.8 | Disc spring | 52.024.00 |
| 91.9 | Cap | 58.100100 |
| 91.10 | Cylindrical screw | 609120620 |

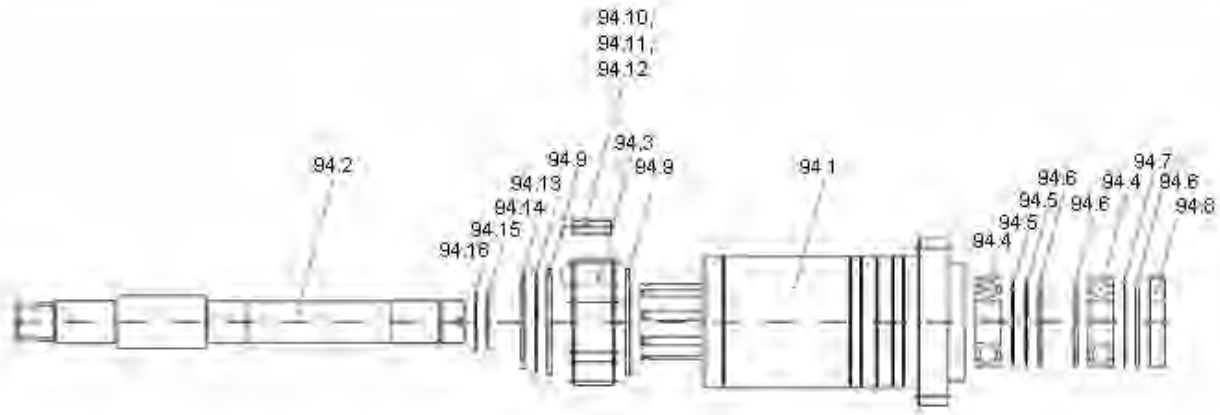
1.44. Drawing 53: Motor Assembly



| REF. # | DESCRIPTION | PART# |
|--------|---------------------|-----------|
| 93.1 | 3-Phase motor | 13.150.00 |
| 93.1.1 | Ball bearing | 50.6205RS |
| 93.1.2 | Ball bearing | 50.6203ZZ |
| 93.2 | Single phase motor | 13.151.00 |
| 93.3 | Seperator for motor | 13.020.10 |
| 93.4 | Worm | 13.020.00 |
| 93.5 | Nut for motor | 13.020.20 |
| 93.6 | Spring for motor | 52.021.00 |
| 93.7 | Feather key | 52.688552 |

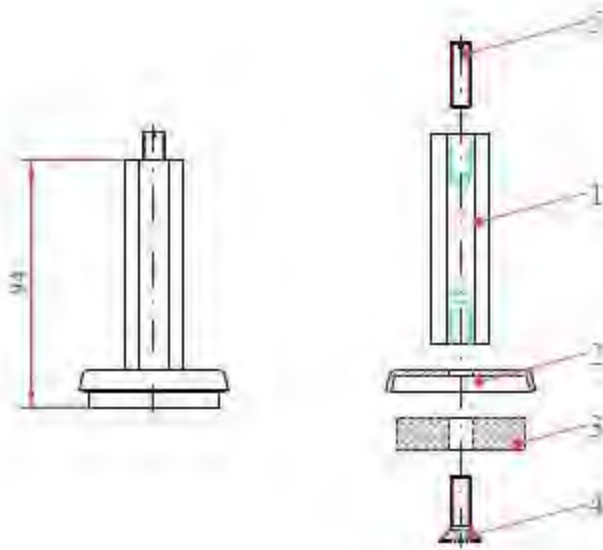
| | | |
|------|---------------|-----------|
| 93.8 | Spring washer | 590127008 |
| 93.9 | Ring | 58.291602 |

1.45. Drawing 54: Blade Hub Assembly



| REF. # | DESCRIPTION | PART# |
|--------|----------------------------------|-----------|
| 94.1 | Knife hub | 13.002.12 |
| 94.2 | Blade axle | 13.002.20 |
| 94.3 | Helical gear for knife hub | 13.002.60 |
| 94.4 | Deep groove ball bearing | 50.6004ZZ |
| 94.5 | Leveling washer for ball bearing | 590344135 |
| 94.6 | Retaining ring | 590472042 |
| 94.7 | Adjusting washer | 590988305 |
| 94.8 | Rotary shaft seal | 56.204206 |
| 94.9 | Rubber seal | 58.503620 |
| 94.10 | Free wheel roll | 41.014.00 |
| 94.11 | Yellow buffer | 13.002.70 |
| 94.12 | Black buffer | 13.002.71 |
| 94.13 | Adjusting washer | 590988374 |
| 94.14 | Retaining ring | 590471036 |
| 94.15 | Retaining ring | 590471020 |
| 94.16 | Adjusting washer | 590988202 |

1.46. DRAWING 55: FOOT ASSEMBLY



| REF# | DESCRIPTION | PART# |
|------|-------------------|-----------|
| 1 | Foot | 12.003.00 |
| 2 | Foot holder | 15.060.60 |
| 3 | Rubber disc | 58.050031 |
| 4 | Countersunk screw | 607991825 |
| 5 | Threaded pin | 545510825 |

BLADE SHARPENING PROCEDURE

VA4000 SLICERS

WORK INSTRUCTION
WI-MAINTENANCE-003; BLADE SHARPENING

REVISION: 02
DATE: 09-07-16

AUTHOR: G. IDE

1. PURPOSE

- 1.1. The purpose of this document is to provide detailed instructions for operating and cleaning the BLADE SHARPENER DEVICE WITH DIAL for Jaccard automatic deli-slicer models VA4000.

2. SCOPE

- 2.1. Sharpening is indicated when the cut quality is no longer satisfactory or the food products develop shredded strands.
- 2.2. The sharpening process includes: visual inspection, complete slicer cleaning prior to sharpening, sharpening, complete sharpener cleaning & sanitizing.

NOTE: Regular thorough cleaning can help reduce the spread of *Listeria monocytogenes* and other potentially deadly foodborne pathogens.



3. RECORDS

- 3.1. It is recommended that cleaning, sharpening and slicer maintenance records be retained.

4. ASSOCIATED DOCUMENTS, REFERENCES & ATTACHMENTS

- 4.1. WI-MAINTENANCE-001; Cleaning and Sanitizing
- 4.2. FDA FOOD CODE -2013/ Section 4-501.114

5. DEFINITIONS

- 5.1. *Submersible*:  component(s) of the slicer that can be placed completely under water for cleaning without causing harm to the component.
- 5.2. *Dishwasher Safe*:  component(s) of the slicer that can be placed in a commercial dishwasher for cleaning without causing harm to the component(s)
- 5.3. *pH*: a measure of acidity and alkalinity of a solution that is a number on a scale on which a value of 7 represents neutrality and lower numbers indicate increasing acidity and higher numbers increasing alkalinity.



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VA4000 SLICERS

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6. RESPONSIBILITY

- 6.1. It is the responsibility of the Customer to maintain and execute this procedure.
- 6.2. The Customer is responsible to assign and train personnel to perform this procedure.
- 6.3. It is the responsibility of the trained personnel to clean the sharpener, sharpen the blade, clean the sharpener, clean the blade and sanitize both the sharpener and the blade prior to placing the slicer back in operation.

7. TOOLS, GAGES, FIXTURES

- 7.1. Blade Sharpener With **DIAL**
- 7.2. Latex/Nitrile Gloves (recommended)
- 7.3. Kevlar cut resistant gloves
- 7.4. Cleaning Brushes
- 7.5. A minimum 2 station sink or the following buckets:
- 7.6. Labeled Wash Bucket, 2 ½ to 5 Gallon Capacity is Recommended
- 7.7. Labeled Rinse Bucket, 2 ½ to 5 Gallon Capacity is Recommended
- 7.8. Warm Water (recommended min. temperature of 120 ° F or 49 °C)
- 7.9. Anti-Bacterial Detergent
- 7.10. Liquid Sanitizing Solution
- 7.11. Sanitizer Spray Bottle
- 7.12. Disposable Cloths

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8. SAFETY REQUIREMENTS


THIS MACHINE SHALL BE CLEANED AND SANITIZED AT INTERVALS TO COMPLY WITH NATIONAL, STATE AND/OR LOCAL HEALTH CODES

8.1. Slicers **MUST** be dismantled and cleaned every 4 hours.

(Reference: FDA Food Code 2013, Chapter §4-602.11)

8.2. Only Properly Trained Personnel Should Be Allowed To Perform The Blade Sharpening Procedure.

8.3.   **CUT HAZARD - Heightened awareness must be maintained during this procedure to avoid injury.**

8.4.  **BE AWARE –** For safe operation, the blade must be replaced if the gap between the blade edge and the guard is greater than 5mm (0.197" or 3/16")

8.5.  Further sharpening of the blade is not allowed when the gap is greater than 5mm.

9. SHARPENING DEVICE

9.1. The sharpening device is equipped with one (1) stone for sharpening and one (1) stone to remove the burr.

9.2. **NEVER** use the sharpening device on a machine that has not been cleaned. The stones will lose their efficiency. In the event the stones do come in contact with a soiled blade, clean the stones by spraying them with isopropyl alcohol and cleaning them with a brush. Rinse thoroughly with clean hot water, dry the sharpener device and spray with sanitizer. Allow the sharpener/stones to dry prior to use.

BLADE SHARPENING PROCEDURE

VA4000 SLICERS

WORK INSTRUCTION
WI-MAINTENANCE-003; BLADE SHARPENING

REVISION: 02
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10. INSTRUCTIONS

10.1. BEFORE SHARPENING THE BLADE, the slicer MUST be completely clean.

10.2. Clean the Slicer following Work Instruction *WI-Maintenance-001; Cleaning and Sanitizing Procedure.*



10.3. Gather required items:

- o - Latex/Nitrile Gloves (recommended)
- o - Kevlar cut resistant gloves
- o - Cleaning Brushes
- o - A minimum 2 station sink or the following buckets:
- o - Labeled Wash Bucket, 2 ½ to 5 Gallon Capacity is Recommended
- o - Labeled Rinse Bucket, 2 ½ to 5 Gallon Capacity is Recommended
- o - Warm Water (recommended min. temperature of 120 ° F or 49 °C)
- o - Anti-Bacterial Detergent
- o - Liquid Sanitizing Solution
- o - Sanitizer Spray Bottle
- o - Disposable Cloths



10.4. After the Slicer has been cleaned and reassembled, check that the carriage is disengaged and in "*Cleaning Mode*".

In *Cleaning Mode*, the carriage locking lever must be in the horizontal position, pointing towards the back of the machine.

BLADE SHARPENING PROCEDURE VA4000 SLICERS

| | | |
|---|--|-----------------------|
| WORK INSTRUCTION WI-MAINTENANCE-003; BLADE SHARPENING | REVISION: 02 DATE: 09-07-16 | AUTHOR: G. IDE |
|---|--|-----------------------|

10.5. INSTALL THE SHARPENER

10.6. INSTALL THE SHARPENER

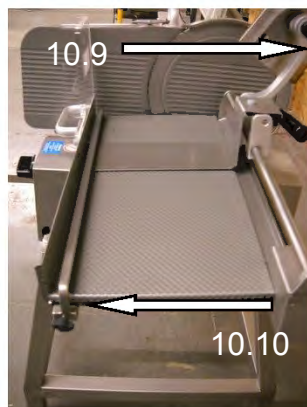


ATTENTION!

Risk of Injury.

Trained personnel ONLY!

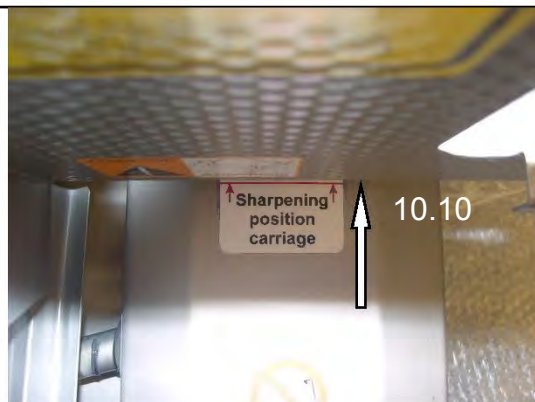
10.7. Open the thickness plate to maximum distance by rotating the thickness dial counter clockwise until it stops.



10.8. Remove the liquid collecting trays.

10.9. Lift up the end piece holder.

10.10. Move the Food Bar to the front of the carriage.



10.10
Manually adjust the carriage, so that its front edge aligns with the sharpening label on top of the machine.

10.11
We suggest covering the drive shaft with a cloth or cup to prevent the grinding dust from accidentally entering into the drive shaft.

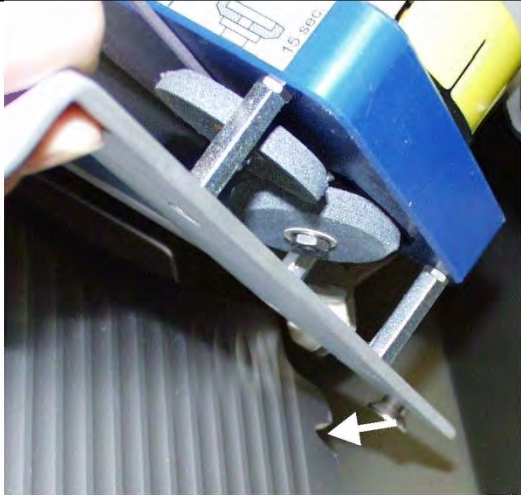
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11. MOUNT THE SHARPENING DEVICE



- 11.1. Visually locate the slot on the bottom of the thickness plate.
- 11.2. With the sharpener alignment pin facing towards the thickness plate, proceed to lower the sharpener into the space between the thickness plate and the end of the carriage.
- 11.3. Align the pin with the slot and lift the sharpener to engage the pin with the slot.
- 11.4. Pull upward on the black knob atop the sharpener. Move the sharpener over the thickness plate and align the retracted pin with the hole in the top of the thickness plate.



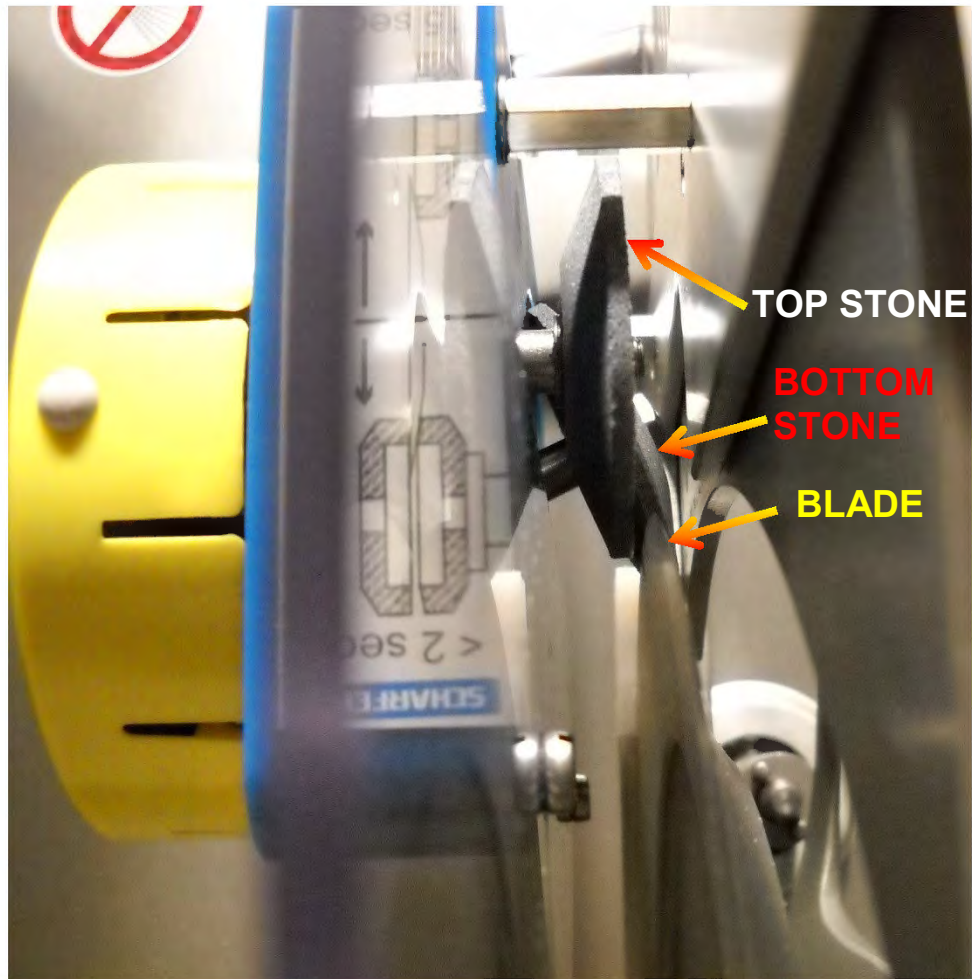
- 11.5. Release the knob allowing the pin to engage the hole securing the sharpener to the thickness plate

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11.6. The sharpening stones are now in the correct position. Note the blade edge is positioned between the two sharpening stones.


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12. SHARPENING THE BLADE

- 12.1.  **SAFETY NOTE:** the blade will not turn if the thickness plate is not in the max open position and the START/STOP button is pushed.

ONLY when the thickness plate is opened completely will the blade start turning after pushing the “SHARPEN” key on the control panel.

An error message will be displayed on the operator control panel if the thickness plate is not in the full open position and the Sharpen key has been pushed.



VA4000 Operator Control Panel

- 12.2. Turn on the machine by pressing the green power on button.

Press and briefly hold the “Sharpen” key pad to start the blade turning.

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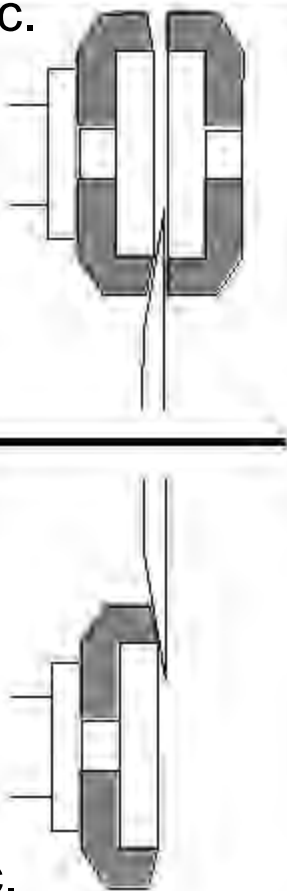
< 2 sec.

2

0

1

15 sec.



12.3. Turn the gray hand wheel of the sharpener to position # 1. The sharpening stone will engage the blade.

12.4. Maintain contact for approximately 15 seconds. This is typically sufficient to redress the edge of the blade.

12.5. Turn the gray hand wheel to zero and stop the blade by pressing the sharpen key.

12.6. Check to see if a visible burr has developed on the edge of the blade.

12.7. If not, start the knife again by pressing the sharpen key.

12.8. Turn the machine on again and perform steps 12.3 through 12.7.

12.9. Rotate the gray hand wheel to position # 2 to engage both stones on the blade.

12.10. Approximately 2 seconds is enough to remove the burr.

12.11. Turn the gray hand wheel to "0" Zero.

12.12. Turn the machine OFF by pressing the red power off button.

13. REMOVE SHARPENING DEVICE

13.1. With the machine OFF, pull the pin on top of the sharpener to release it from the top of the thickness plate.

13.2. Tilt the sharpener to the right and lower it slightly to disengage the bottom alignment pin.

13.3. Slide the sharpener to the right enough to clear the thickness plate and lift the sharpener out of the machine.

14. CLOSE THE THICKNESS PLATE

15. Re-Engage the carriage for automatic operation.

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16. Relocate the food bar to the back of the carriage.
17. Rotate the end piece holder down into normal operating position.

18. **CLEAN & SANITIZE SHARPENING DEVICE**

18.1. Clean and sanitize the sharpening device with a very damp cloth moistened with cleaning solution as prepared in Work Instruction 001 Maintenance; Cleaning and Sanitizing

18.2. DO NOT SUBMERSE SHARPENER 

18.3. DO NOT PLACE SHARPENER IN DISHWASHER 

18.4. Wipe all the surfaces of the sharpener clean with the wash towel.

18.5. Wipe the detergent off the sharpener with a clean damp towel from the rinse bucket.

18.6. Dry thoroughly with clean dry cloth.

18.7. Spray the sharpener with Sanitizer and allow to air dry completely before storage. Use pre-mixed **Quaternary Ammonium** sanitizer ONLY

19. **COMPLETELY CLEAN THE SLICER**

19.1. FIRST remove all grinding dust from the machine with a MOIST cloth.

19.2. Clean the complete slicer following the Cleaning and Sanitizing procedure in Work Instruction WI-Maintenance 001; Cleaning and Sanitizing

19.3. Replace drip trays to original position.



BLADE SHARPENING PROCEDURE

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REVISION: 02
DATE: 09-07-16

AUTHOR: G. IDE

Revision History

| <i>AUTHOR:</i> | <i>DATE:</i> | <i>REVISION #:</i> |
|-----------------------|---------------------|--|
| D. PRIOR | May-21-15 | 00 – Initial Release |
| G. IDE | March-11-16 | 01 – Clarification of instructions, grammatical changes |
| G. IDE | 09-08-16 | 02 – Additional photos and instructions, grammatical changes |



Preventative Maintenance Checklist for stacker slicer

| Checkpoint | Inspection |
|--|--|
| <input type="radio"/> Blade | The blade needs to be sharp for optimum cutting results. The sharpening frequency can vary from daily to bi-weekly, depending on product and daily slice count. |
| <input type="radio"/> Drive shaft for food advance | For smooth and efficient movement of the food advance, place one drop of oil on the shaft after every cleaning. |



Quarterly Maintenance Checklist for stacker slicer

| Item | Inspection |
|--|--|
| <input type="checkbox"/> Carriage | <ul style="list-style-type: none">• Clean and oil carriage shaft of food advance• Check condition, cleanness and function of the step motor of the end piece holder.• Check condition, cleanness and function of the driving nut.• Check the function of the end switches.• Check the mechanical movement of the end piece holder. |
| <input type="checkbox"/> Blade | <ul style="list-style-type: none">• Check condition of the sharpening device.• Check sharpness of the blade and sharpen if necessary.• Replace blade if worn more than 5 mm from guard. |
| <input type="checkbox"/> Chain frame | <ul style="list-style-type: none">• Check chain tensions and condition and adjust or replace if necessary.• Check deflector comb and adjust if necessary.• Check deflector roller, replace if worn.• Inspect condition of bearings |
| <input type="checkbox"/> Stacking arm | <ul style="list-style-type: none">• Check alignment of individual fingers and adjust if necessary. |
| <input type="checkbox"/> Receiving plate | <ul style="list-style-type: none">• Check condition and operation. |

☐**Carriage drive**

- Check light barrier function
-

- Check that all functions of the machine work and that the keypad is not worn.

- Check zero point – re-set if necessary

☐**Control functions**

- Check correct values in test programs

- Check cutting, stacking and shingling functions.

- Tilt carriage and check if clean, if not clean it.

- Check if the machine is set on a stable table or fixed to the counter.
-

☐**Final check**

- Note the slice count and reset the “Service needed” slice count (VA4000 + VA4000AT)

- Retrain personnel if necessary.

- Get a receipt of the maintenance report.



Yearly Maintenance Checklist for stacker slicer

| Item | Inspection |
|---|--|
| <input type="checkbox"/> Full Quarterly Maintenance | |
| <input type="checkbox"/> Blade guard | <ul style="list-style-type: none">• Check and oil the threads of the flange of the blade guard as well as on the shaft which attaches the blade guard to the machine.• Make sure that the blade guard fits properly and that the threaded shaft fits into the blade guard properly. |
| <input type="checkbox"/> Knife hub | <ul style="list-style-type: none">• Clean, check for wear and oil. |
| <input type="checkbox"/> Nylon block blade guard | <ul style="list-style-type: none">• Check if worn and replace if necessary. |
| <input type="checkbox"/> Stacking arm | <ul style="list-style-type: none">• Check bearings and mounting bolt for stacking arm. Check the thread on condition, cleanness and oil.• Check and oil the stacking arm's mounting shaft (ball bearing and bolt).• Clean and check light barrier. Also check connector for light barrier. |
| <input type="checkbox"/> Receiving plate drive | <ul style="list-style-type: none">• Check condition of toothed belt and tension. Tension or replace if necessary.• Check function of the end switch. |

| | |
|---|--|
| | <ul style="list-style-type: none">• Clean, check and oil drive chain. Also check chain tension, adjust if necessary. Check and oil bolt of the drive chain. |
| <input type="checkbox"/> Carriage drive | <ul style="list-style-type: none">• Clean and oil guide bars and bearings.• Check carriage locking device and springs. |
| <input type="checkbox"/> Chain frame drive | <ul style="list-style-type: none">• Check toothed belt and guide with regard to function and cleanliness. Replace toothed belt if necessary.• Check function and condition of coupler and free wheels. |
| <input type="checkbox"/> Cable connections | <ul style="list-style-type: none">• Check condition of all cables and connections.• Check correct value and condition of fuses. |
| <input type="checkbox"/> Final check | <ul style="list-style-type: none">• Note the slice count and reset the “Service needed” slice count (VA4000 + VA4000AT)• Retrain personnel if necessary.• Get a receipt of the maintenance report. |

STACKER SLICER WARRANTY

Reseller

Machine Warranty

Jaccard's VA Stacker Slicer is warrantied for parts and labor* against any material or workmanship defect for the earlier of 12 months or 750,000 slices starting on date purchased from Jaccard or its authorized representative. Normal wear parts are limited to a 30-day replacement warranty (labor not included). Damages incurred in transit or from installation error, accident, alteration or misuse, are not covered by this warranty. Transit damages should be reported to the carrier at time of receipt. This warranty does not include overtime charges for work performed other than during normal business hours of Monday thru Friday from 8:30 AM to 5:00 PM. Jaccard Corporation shall not be liable for any consequential, compensatory, incidental, or special damages. All warranty work must be performed by Jaccard Corporation or its authorized service provider.

Warranty Fulfillment

- Please contact Jaccard customer service toll free at (866) 478-7373 to obtain a preliminary warranty coverage determination and if appropriate, an RA# to return the part(s) for final warranty coverage determination.
- Upon issuance of an RA#, Jaccard will generate a sales order to ship the replacement part(s) to the reseller. NOTE: The reseller will not be required to issue a purchase order to Jaccard for the replacement part(s) as the RA# will be used as the customer PO# on the sales order & subsequent invoice.
- Jaccard will ship and invoice the replacement part(s) prior to receiving back the part(s) covered under the RA#. NOTE: Reseller must include the RA# prominently on the outside packaging when shipping the part(s) back to Jaccard or risk acceptance of the shipment to be refused at Jaccard.
- Upon receipt of the part(s) covered by the RA# a final determination of warranty coverage will be made by Jaccard.
- If it is determined that warranty coverage is applicable, Jaccard will issue a credit against the invoice for the replacement parts and freight.
- If it is determined that warranty coverage is not applicable, Jaccard will contact the reseller and explain the reasons and advise that the invoice for replacement part(s) including freight is valid and payable by the reseller. NOTE: Upon written request (e-mail or other) within 10 business days from the reseller, Jaccard will return the part(s) at the resellers cost if the warranty coverage is denied.
- If the reseller fails to return the part(s) covered by the RA# without prior written consent (e-mail or other) by Jaccard or within 30 business days of the date the RA# was issued, the warranty claim will be null and void, and payment for the replacement parts including freight will be due within the normal payment terms granted to the reseller by Jaccard.

** An allowance to cover actual warranty labor is included in the standard machine discount provided to the reseller*