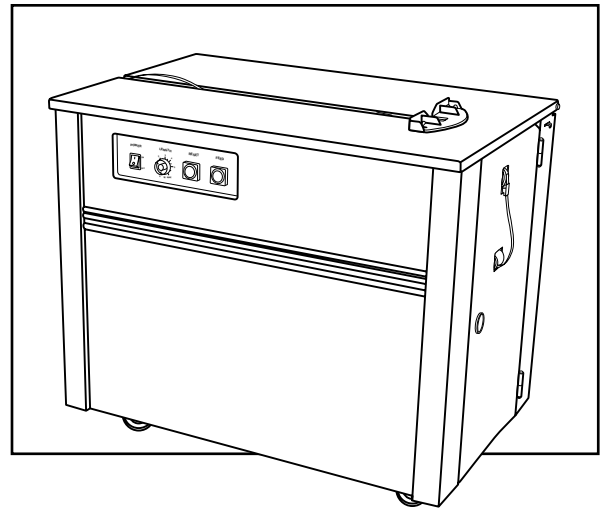
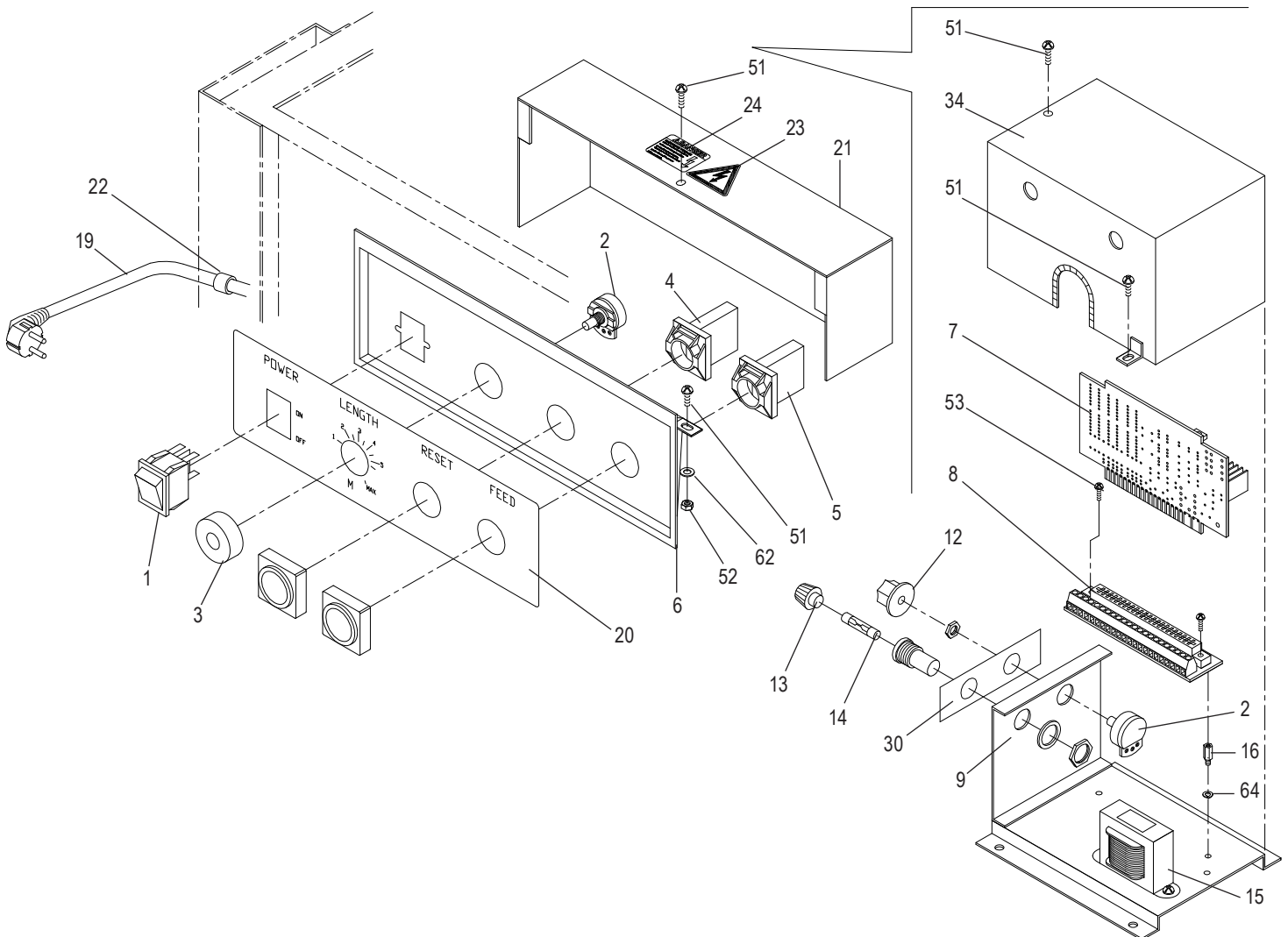




## CONTROL PANEL DIAGRAM AND PC BOARD HOUSING



# **ULINE** H-959 **POLY STRAPPING MACHINE**

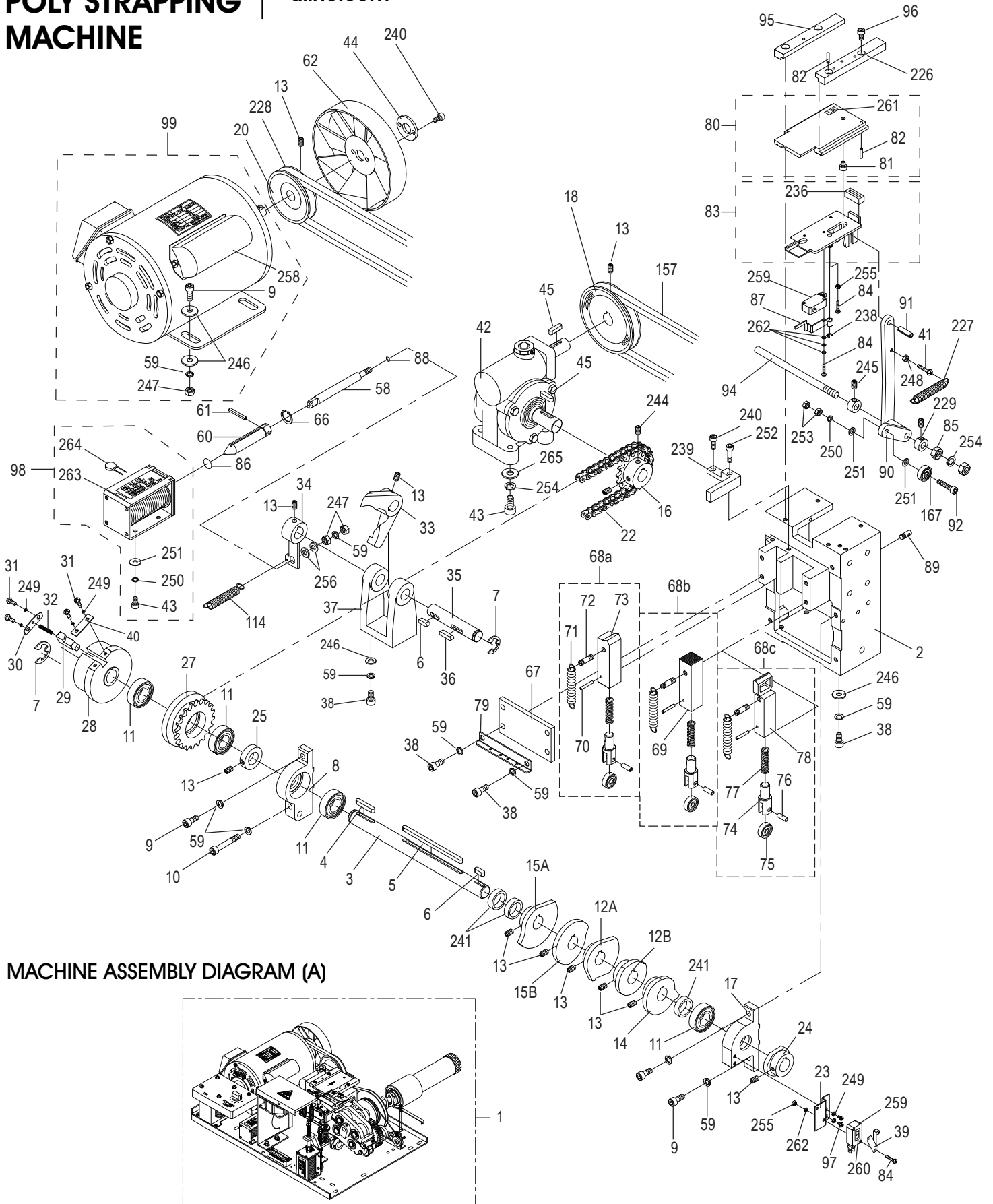
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## **CONTROL PANEL PARTS LIST**

| #  | DESCRIPTION                   | QTY. | ULINE PART NO. | MFG. PART NO. |
|----|-------------------------------|------|----------------|---------------|
| 1  | Power Switch                  | 1    | H-959-TG001    | TG-001        |
| 2  | Variable Resistor For Length  | 2    | H-959-TG002    | TG-002        |
| 3  | Length Knob                   | 1    | H-959-TG003    | TG-003        |
| 4  | Push Button Switch (R)- Reset | 1    | H-959-SWITCH   | TG-004        |
| 5  | Push Button Switch (L)- Feed  | 1    | H-959-TG005    | TG-005        |
| 6  | Control Panel                 | 1    | -----          | TG-006        |
| 7  | PC Board                      | 1    | H-959-TG007    | TG-007        |
| 8  | PC Board Receptacle           | 1    | H-959-TG008    | TG-008        |
| 9  | Base For CB Housing           | 1    | -----          | TG-017        |
| 12 | Knob For Motor Timer          | 1    | H-959-KNOBQ    | TG-012        |
| 13 | Fuse Holder                   | 1    | H-959-TG013    | TG-013        |
| 14 | Fuse (10A/110V AC)            | 1    | H-959TG014     | T6-6-30133    |
| 15 | Transformer (110V)            | 1    | H-959-TG015    | TG-015        |
| 16 | Bolt                          | 1    | -----          | TG-016        |
| 19 | Power Cord                    | 1    | H-959-POWER    | TG-019        |
| 20 | Control Label                 | 1    | -----          | LA-10018      |
| 21 | Switch Cover                  | 1    | H-959-TG021    | TG-021        |
| 22 | Grommet                       | 1    | H-959-TG022    | TG-022        |
| 23 | Label                         | 1    | -----          | LA-40001      |
| 24 | Label                         | 1    | -----          | LA-40003      |
| 30 | Name Plate                    | 1    | -----          | LA-20170      |
| 34 | Cover                         | 1    | -----          | TG-035        |
| 51 | Machine Screw (M4 x 8)        | 6    | H-959-MSCREW   | TMS0408       |
| 52 | Hex Nut (M4)                  | 3    | H-959-HN04     | HN04          |
| 53 | Machine Screw (M3 x 12)       | 2    | H-959-M3X12    | TMS0312       |
| 62 | Plate Washer (M4)             | 2    | H-959-PW04     | PW04          |
| 63 | Machine Screw (M4 x 8)        | 2    | H-959-MSCREW   | TMS0408       |
| 64 | Lock Washer 03                | 2    | -----          | SW03          |

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## MACHINE ASSEMBLY (A) PARTS LIST

| #   | DESCRIPTION             | QTY. | ULINE PART NO. | MFG. PART NO. |
|-----|-------------------------|------|----------------|---------------|
| 1   | Control Head Unit       | 1    | -----          | TA-901        |
| 2   | Main Body Block         | 1    | H-959BLOCKQ    | T5-1-10110    |
| 3   | Cam Shaft               | 1    | -----          | TA-003        |
| 4   | Key (5 x 5 x 30)        | 1    | -----          | KYA050530     |
| 5   | Key (5 x 5 x 101)       | 1    | -----          | KYA0505101    |
| 6   | Key (5 x 5 x 15)        | 2    | H-959-KYA05    | KYA050515     |
| 7   | Snap Ring (E-12)        | 2    | H-959-TB172    | ER12          |
| 8   | Bearing Support (R)     | 1    | -----          | TA-008-2      |
| 9   | Hex Bolt (M6 x 20)      | 6    | H-959-HBM6     | HBS0620       |
| 10  | Hex Bolt (M6 x 45)      | 1    | -----          | HBS0645H      |
| 11  | Bearing, 6003ZZ         | 4    | H-959-6003ZZ   | BR6003ZZ      |
| 12A | Grip Cam                | 1    | H-959-TA12AQ   | TA-012A       |
| 12B | Grip Cam                | 1    | H-959-TA12BQ   | TA-012B       |
| 13  | Hex Set Screw (M6 x 8)  | 13   | H-959-HSS060   | HSS0608G      |
| 14  | Cam Separator           | 1    | H-959-TA014    | TA-014        |
| 15A | Rear Bar Cam            | 1    | H-959-TA15AQ   | TA-015A       |
| 15B | Heater Cam              | 1    | H-959-TA15BQ   | TA-015B       |
| 16  | Sprocket                | 1    | H-959-TA016    | TA-016        |
| 17  | Bearing Support (R)     | 1    | -----          | TA-017-2      |
| 18  | Pulley                  | 1    | H-959-TA018    | TA-018        |
| 20  | Pulley                  | 1    | H-959-TA020    | TA-020        |
| 22  | Chain                   | 1    | H-959-TA022    | TA-022        |
| 23  | Micro Switch Bracket    | 1    | H-959-TF002    | TF-002        |
| 24  | Back Cam                | 1    | H-959-TA024    | TA-024        |
| 25  | Collar                  | 1    | -----          | TA-025        |
| 27  | Sprocket                | 1    | H-959-TA027    | TA-027        |
| 28  | Housing                 | 1    | H-959-TA028    | TA-028        |
| 29  | Pin                     | 1    | H-959-TA029    | TA-029        |
| 30  | Holder                  | 1    | -----          | TA-030        |
| 31  | Machine Screw (M4 x 8)  | 6    | H-959PMS0408   | PMS0408       |
| 32  | Spring                  | 1    | H-959-32       | TA-032        |
| 33  | Stop Cam                | 1    | H-959-33       | TA-033        |
| 34  | Clutch Alarm            | 1    | H-959-TA034    | TA-034        |
| 35  | Shaft                   | 1    | -----          | TA-035        |
| 36  | Key (5 x 5 x 20)        | 1    | H-959-TB138    | KYA050520     |
| 37  | Clutch Support          | 1    | -----          | TA-037        |
| 38  | Hex Bolt (M6 x 16)      | 14   | -----          | HBS0616       |
| 39  | Switch Trigger          | 1    | H-959-TF009    | TF-009        |
| 40  | Guide                   | 1    | -----          | TA-040        |
| 41  | Machine Screw (M4 x 20) | 1    | H-959-M4X20    | PMS0420       |
| 42  | Gear Box                | 1    | H-959-TA042    | TA-042        |

# ULINE H-959 POLY STRAPPING MACHINE

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## MACHINE ASSEMBLY (A) PARTS LIST CONTINUED

| #   | DESCRIPTION                                                                                                                                                                                                                                                   | QTY. | ULINE PART NO. | MFG. PART NO. |
|-----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------------|---------------|
| 43  | Hex Bolt (M8 x 20)                                                                                                                                                                                                                                            | 4    | -----          | HBS0820       |
| 44  | Washer                                                                                                                                                                                                                                                        | 1    | H-959-TF022    | TF-022        |
| 45  | Key (5 x 5 x 25)                                                                                                                                                                                                                                              | 2    | -----          | KYA050525     |
| 58  | Pull Shaft                                                                                                                                                                                                                                                    | 1    | H-959-TA058    | TA-058        |
| 59  | Lock Washer (M6)                                                                                                                                                                                                                                              | 19   | H-959-SW06     | SW06          |
| 60  | Solenoid Shaft                                                                                                                                                                                                                                                | 1    | H-959-TA060    | TA-060        |
| 61  | Spring Pin (4 x 14)                                                                                                                                                                                                                                           | 1    | H-959-SP0414   | SP0414        |
| 62  | Fan                                                                                                                                                                                                                                                           | 1    | H-959-TF028    | TF-028        |
| 66  | Snap Ring (S-12)                                                                                                                                                                                                                                              | 1    | H-959-TB172    | ER12          |
| 67  | Bar Guide Lid                                                                                                                                                                                                                                                 | 1    | H-959-TA067    | TA-067        |
| 68A | <b>Rear Bar Assembly</b><br>Includes:<br>• Spring Pin #70 (3 x 18)<br>• Return Spring Pin #71<br>• Spring Hook #72<br>• Rear Bar #73 (Not Sold Separately, Part of Assembly)<br>• Plunger #74<br>• Bearing #75<br>• Spring Pin #76 (5 x 14)<br>• Spring #77   | 1    | H-959-13000    | T513000       |
| 68B | <b>Press Bar Assembly</b><br>Includes:<br>• Press Bar #69 (Not Sold Separately, Part of Assembly)<br>• Spring Pin (3 x 18) #70<br>• Return Spring Pin #71<br>• Spring Hook #72<br>• Plunger #74<br>• Bearing #75<br>• Spring Pin #76 (5 x 14)<br>• Spring #77 | 1    | H-959-14000    | T514000       |
| 68C | <b>Front Bar Assembly</b><br>Includes:<br>• Spring Pin (3 x 18) #70<br>• Return Spring Pin #71<br>• Spring Hook #72<br>• Plunger #74<br>• Bearing #75<br>• Spring Pin (5 x 14) #76<br>• Spring #77<br>• Front Bar #78 (Not Sold Separately, Part of Assembly) | 1    | H-959-15000    | T515000       |
| 69  | Press Bar (Not Sold Separately, Part of Assembly)                                                                                                                                                                                                             | 1    | -----          | -----         |
| 70  | Spring Pin (3 x 18)                                                                                                                                                                                                                                           | 3    | -----          | -----         |
| 71  | Return Spring Pin                                                                                                                                                                                                                                             | 3    | H-959-TA071    | TA-071        |
| 72  | Spring Hook                                                                                                                                                                                                                                                   | 3    | -----          | -----         |
| 73  | Rear Bar (Not Sold Separately, Part of Assembly)                                                                                                                                                                                                              | 1    | -----          | -----         |
| 74  | Plunger                                                                                                                                                                                                                                                       | 3    | -----          | -----         |
| 75  | Bearing                                                                                                                                                                                                                                                       | 4    | -----          | -----         |
| 76  | Spring Pin (5 x 14)                                                                                                                                                                                                                                           | 3    | -----          | -----         |
| 77  | Spring                                                                                                                                                                                                                                                        | 3    | -----          | -----         |

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## MACHINE ASSEMBLY (A) PARTS LIST CONTINUED

| #   | DESCRIPTION                                                                                                                                                                                   | QTY. | ULINE PART NO. | MFG. PART NO. |
|-----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------------|---------------|
| 78  | Front Bar (Not Sold Separately, Part of Assembly)                                                                                                                                             | 1    | -----          | -----         |
| 79  | Spring Hook Holder                                                                                                                                                                            | 1    | H-959TA072Q    | TA-072        |
| 80  | <b>LS1 Slide Plate Assembly</b><br>Includes:<br>• Hex Bolt #81 (M5 x 5.2)<br>• Spring Pin #82 (3 x 14)<br>• Name Plate #261 (LS-1)                                                            | 1    | H-959-SLIDE    | TA-080A       |
| 81  | Hex Bolt (M5 x 5.2)                                                                                                                                                                           | 1    | H-959-TA081    | HBS0505.2     |
| 82  | Spring Pin (3 x 14)                                                                                                                                                                           | 3    | H-959-SP0314   | SP0314        |
| 83  | <b>Separator Assembly</b><br>Includes:<br>• Rubber Buffer Assembly #236                                                                                                                       | 3    | H-959-TA083    | TA-083A       |
| 84  | Machine Screw (M3 x 15)                                                                                                                                                                       | 5    | H-959-0315     | PMS0315       |
| 85  | Hex Nut (M8)                                                                                                                                                                                  | 2    | H-959-HN08     | HN08          |
| 86  | Seal (Large)                                                                                                                                                                                  | 1    | H-959-TA086    | TA-086        |
| 87  | Switch Lever                                                                                                                                                                                  | 1    | H-959-TA087    | TA-087        |
| 88  | Seal (Small)                                                                                                                                                                                  | 1    | H-959-88Q      | TA-088        |
| 89  | Spring Hook                                                                                                                                                                                   | 1    | H-959-TA089    | TA-089        |
| 90  | Arm                                                                                                                                                                                           | 1    | H-959-TA090    | TA-090        |
| 91  | Spring Pin (6 x 20)                                                                                                                                                                           | 1    | H-959-SP0620   | SP0620        |
| 92  | Hex Bolt (M5 x 25)                                                                                                                                                                            | 1    | H-959-HB0525   | HBS0525       |
| 94  | Shaft                                                                                                                                                                                         | 1    | H-959-TA094    | TA-094        |
| 95  | Guide (Left)                                                                                                                                                                                  | 1    | H-32-TA095     | TA-095        |
| 96  | Hex Bolt (M5 x 12)                                                                                                                                                                            | 4    | H-959HBS0512   | HBS0512       |
| 97  | Machine Screw (M4 x 8)                                                                                                                                                                        | 2    | H-959PMS0408   | PMS0408       |
| 98  | Solenoid (110V) Assembly                                                                                                                                                                      | 1    | H-959-TF003A   | TF-003A       |
| 99  | <b>Motor Assembly (110V)</b><br>Includes:<br>• Hex Bolt #9 (M6 x 20)<br>• Lock Washer #59 (M6)<br>• Plate Washer #246 (M6; Pkg. of 50)<br>• Hex Nut #247 (M6)<br>• Starter Capacitor #258 (1) | 1    | H-959-TF001    | TF-001        |
| 114 | Spring                                                                                                                                                                                        | 1    | H-32-TA114     | TA-114        |
| 157 | V-Belt (K-21)                                                                                                                                                                                 | 1    | H-959-TB157    | TB-157        |
| 226 | Guide (Right)                                                                                                                                                                                 | 1    | H-32-TA226     | TA-226        |
| 227 | Return Spring                                                                                                                                                                                 | 1    | H-959-TB114    | TB-114        |
| 228 | V-Belt (K-21)                                                                                                                                                                                 | 2    | H-959-TA228    | TA-228        |
| 229 | Collar                                                                                                                                                                                        | 1    | H-959-TA229    | TA-229        |
| 236 | Rubber Buffer Assembly                                                                                                                                                                        | 1    | H-959-TA236    | TA-236        |
| 238 | Snap Ring (E-3)                                                                                                                                                                               | 1    | H-959-TA238    | TA-238        |
| 239 | Cutter Holder                                                                                                                                                                                 | 1    | H-959-TA239    | TA-239        |
| 240 | Hex Bolt (M5 x 16)                                                                                                                                                                            | 4    | H-959-M5X16    | HBS0516       |
| 241 | Spacer                                                                                                                                                                                        | 3    | -----          | TA-241        |
| 244 | Hex Set Screw (M5 x 6)                                                                                                                                                                        | 2    | H-959HBS0506   | HBS0506       |

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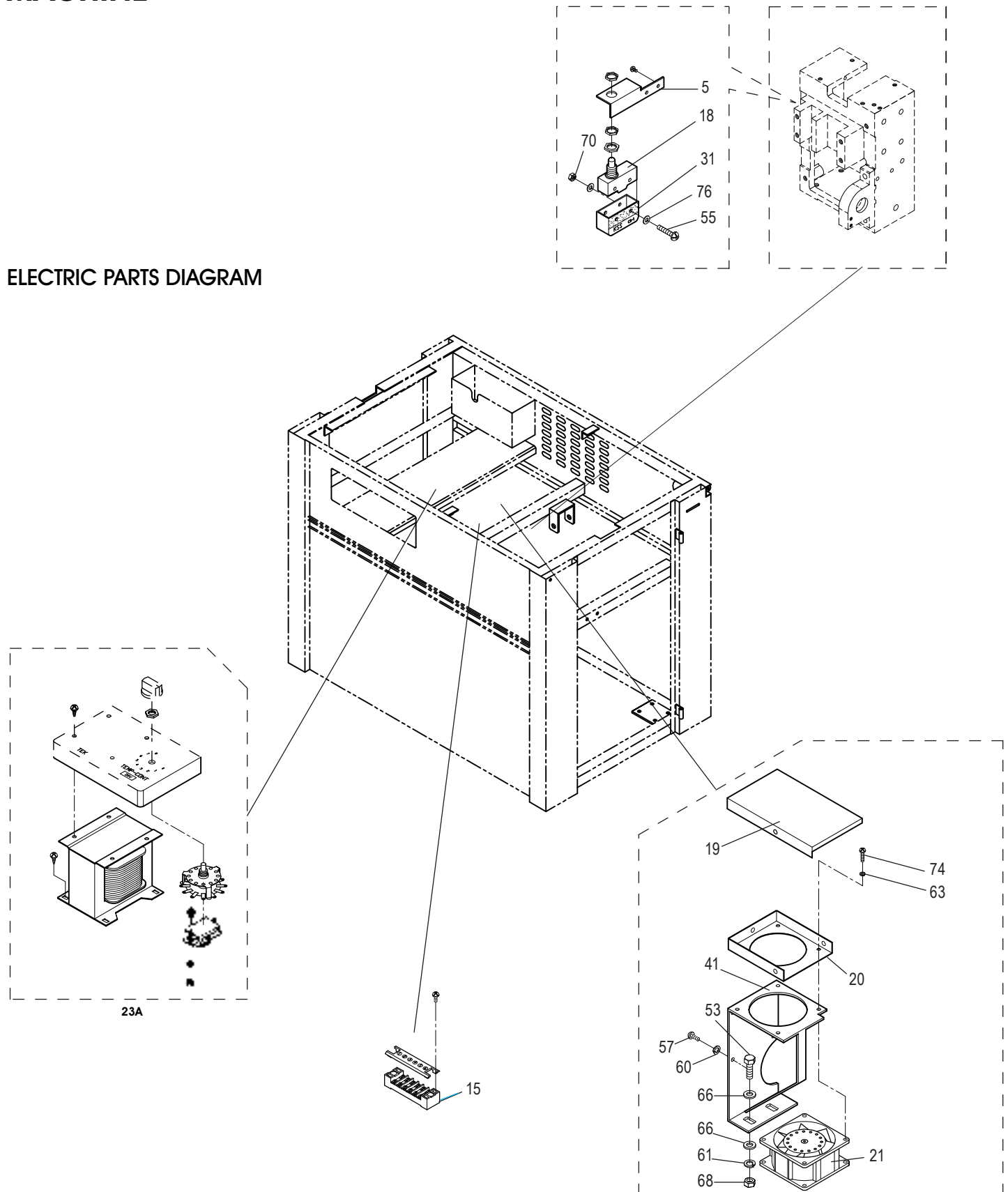
## MACHINE ASSEMBLY (A) PARTS LIST CONTINUED

| #   | DESCRIPTION                   | QTY. | ULINE PART NO. | MFG. PART NO. |
|-----|-------------------------------|------|----------------|---------------|
| 245 | Hex Set Screw (M6 x 6)        | 2    | H-959-M6X6     | HSS0606G      |
| 246 | Plate Washer (M6; Pkg. of 50) | 18   | H-959-PW06     | PW06C         |
| 247 | Hex Nut (M6)                  | 6    | H-959-HN06     | HN06          |
| 248 | Hex Nut (M4)                  | 1    | H-959-HN04     | HN04          |
| 249 | Lock Washer (M4)              | 4    | H-959-SW04     | SW04          |
| 250 | Lock Washer (M5)              | 5    | H-959-SW05     | SW05          |
| 251 | Plate Washer (M5)             | 2    | H-959-PW05     | PW05          |
| 252 | Hex Bolt (M5 x 25)            | 1    | H-959-HB0525   | HBS0525H      |
| 253 | Hex Nut (M5)                  | 2    | H-959-HN05     | HN05          |
| 254 | Lock Washer (M8)              | 5    | H-959-SW08     | SW08          |
| 255 | Hex Nut (M3)                  | 1    | -----          | HN03          |
| 256 | Plate Washer (M6)             | 2    | H-959-PW06A    | PW06A         |
| 258 | Starter Capacitor             | 1    | H-959-TF046    | TF-046        |
| 259 | Micro Switch (LS-1, LS-3)     | 2    | H-959-TF006    | TF-006        |
| 260 | Name Plate (LS-3)             | 1    | -----          | LA-50082      |
| 261 | Name Plate (LS-1)             | 1    | H-959LA50080   | LA-50080      |
| 262 | Lock Washer (M3)              | 3    | -----          | SW03          |
| 263 | Name Plate (SOL-2)            | 1    | H-959SOL2Q     | LA-50084      |
| 264 | Varistor                      | 1    | H-959-TF071    | TF-071        |
| 265 | Plate Washer (M8)             | 4    | -----          | PW08C         |

# ULINE H-959 POLY STRAPPING MACHINE

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## ELECTRIC PARTS DIAGRAM





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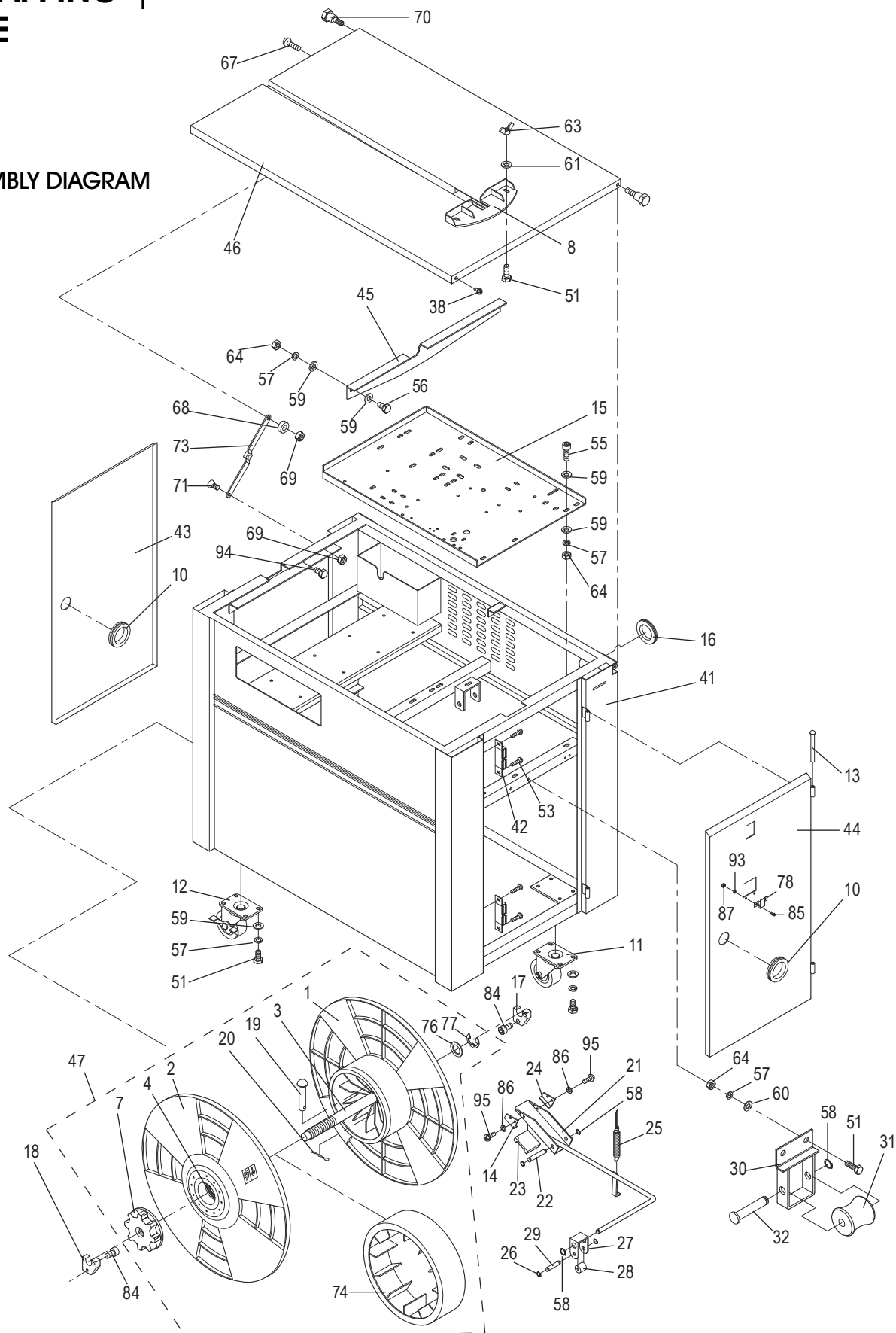
## ELECTRIC PARTS LIST

| #   | DESCRIPTION                    | QTY. | ULINE PART NO. | MFG PART NO. |
|-----|--------------------------------|------|----------------|--------------|
| 5   | Safety Switch Plate            | 1    | -----          | TF-005       |
| 15  | Terminal Bracket               | 1    | H-959-15Q      | TF-015       |
| 18  | Safety Limit Switch            | 1    | H-959-TF018    | TF-018       |
| 19  | Adiabatic Plate                | 1    | H-959-TF019    | TF-019       |
| 20  | Fan Cover                      | 1    | H-959-FC       | TF-020       |
| 21  | Fan (110V)                     | 1    | H-959-TF021    | TF-021       |
| 23A | Heater Transformer Assy (110V) | 1    | H-959-TF023A   | TF-023A      |
| 31  | Switch Cover                   | 1    | H-959-TF031    | TF-031       |
| 41  | Fan Support                    | 1    | -----          | TJ-022       |
| 53  | Hex Bolt (M6 x 20)             | 2    | H-959-HBM6     | HBS0620      |
| 55  | Machine Screw (M4 x 25)        | 2    | H-959-S0425    | PMS0425      |
| 57  | Machine Screw (M4 x 10)        | 8    | H-959-TB196    | PMS0410      |
| 60  | Lock Washer (M4)               | 8    | H-959-SW04     | SW04         |
| 61  | Lock Washer (M6)               | 2    | H-959-SW06     | SW06         |
| 63  | Lockwasher (M5)                | 6    | H-959-SW05     | SW05         |
| 66  | Plate Washer (M6; Pkg. of 50)  | 4    | H-959-PW06     | PW06C        |
| 68  | Hex Nut (M6)                   | 2    | H-959-HN06     | HN06         |
| 70  | Hex Nut (M4)                   | 2    | H-959-TF071    | HN04         |
| 74  | Machine Screw (M5 x 8)         | 2    | -----          | TMS0508      |
| 76  | Plate Washer (M4)              | 4    | H-959-PW04     | PW04         |

# ULINE H-959 POLY STRAPPING MACHINE

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FRAME ASSEMBLY DIAGRAM



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## FRAME ASSEMBLY PARTS LIST

| #  | DESCRIPTION            | QTY. | ULINE PART NO | MFG. PART NO. |
|----|------------------------|------|---------------|---------------|
| 1  | Inner Flange           | 1    | H-959-TE001   | TE-001        |
| 2  | Outer Flange           | 1    | H-959-TC014   | TC-014        |
| 3  | Shaft                  | 1    | H-959-TE003   | TE-003        |
| 4  | Protector              | 1    | H-959-TC015   | TC-015        |
| 7  | Reel Nut Handle        | 1    | H-959-TC016   | TC-016        |
| 8  | Package Guide          | 1    | H-959-TC004   | TC-004        |
| 10 | Grommet                | 2    | H-959-TE010   | TE-010        |
| 11 | Caster                 | 2    | H-959-TE011   | TE-011        |
| 12 | Caster W/ Brake        | 2    | H-959-TE012   | TE-012        |
| 13 | Lock Pin               | 4    | H-959-LPIN    | TE-013        |
| 14 | Brake Holder (Right)   | 1    | H-959-TE014   | TE-014        |
| 15 | Bracket                | 1    | -----         | TC-002        |
| 16 | Grommet                | 1    | H-959TC-008   | TC-008        |
| 17 | Bush (Left)            | 1    | H-959-TE017   | TE-017        |
| 18 | Bush (Right)           | 1    | H-959-TE018   | TE-018        |
| 19 | Pin                    | 1    | H-959-TC020   | TC-020        |
| 20 | Split Pin              | 1    | H-959-TC021   | TC-021        |
| 21 | Brake Set              | 1    | H-959-TE021   | TE-021        |
| 22 | Pin                    | 1    | -----         | TE-022        |
| 23 | Rubber Brake Pad       | 1    | H-959-TE023   | TE-023        |
| 24 | Brake Holder (Left)    | 1    | H-959-TE024   | TE-024        |
| 25 | Spring                 | 1    | H-959-TE025   | TE-025        |
| 26 | Snap Ring              | 2    | H-959-SNAP    | ER04          |
| 27 | Roller Holder          | 1    | H-959-TE027   | TE-027        |
| 28 | Roller                 | 1    | H-959-TE028   | TE-028        |
| 29 | Pin                    | 1    | H-959-TE029   | TE-029        |
| 30 | Band Guide Bracket     | 1    | H-959-TE030   | TE-030        |
| 31 | Roller                 | 1    | H-959-TC049   | TC-049        |
| 32 | Shaft                  | 1    | H-959-TC048   | TC-048        |
| 41 | Frame                  | 1    | -----         | TE-041        |
| 42 | Magnet Catch           | 4    | H-959-TE042   | TE-042        |
| 43 | Left Side Door         | 1    | H-959-LDOOR   | TE-043        |
| 44 | Right Side Door        | 1    | H-959-RDOOR   | TE-044        |
| 45 | Support                | 1    | -----         | TE-045        |
| 46 | Top Plate              | 1    | H-959-TC043   | TC-043        |
| 47 | Reel Assembly          | 1    | H-959-TE001A  | TE-001A       |
| 51 | Hex Bolt (M6 x 12)     | 12   | H-959-HB0612  | HB0612        |
| 53 | Machine Screw (M3 x 5) | 8    | H-959-0305Q   | TMS0305       |

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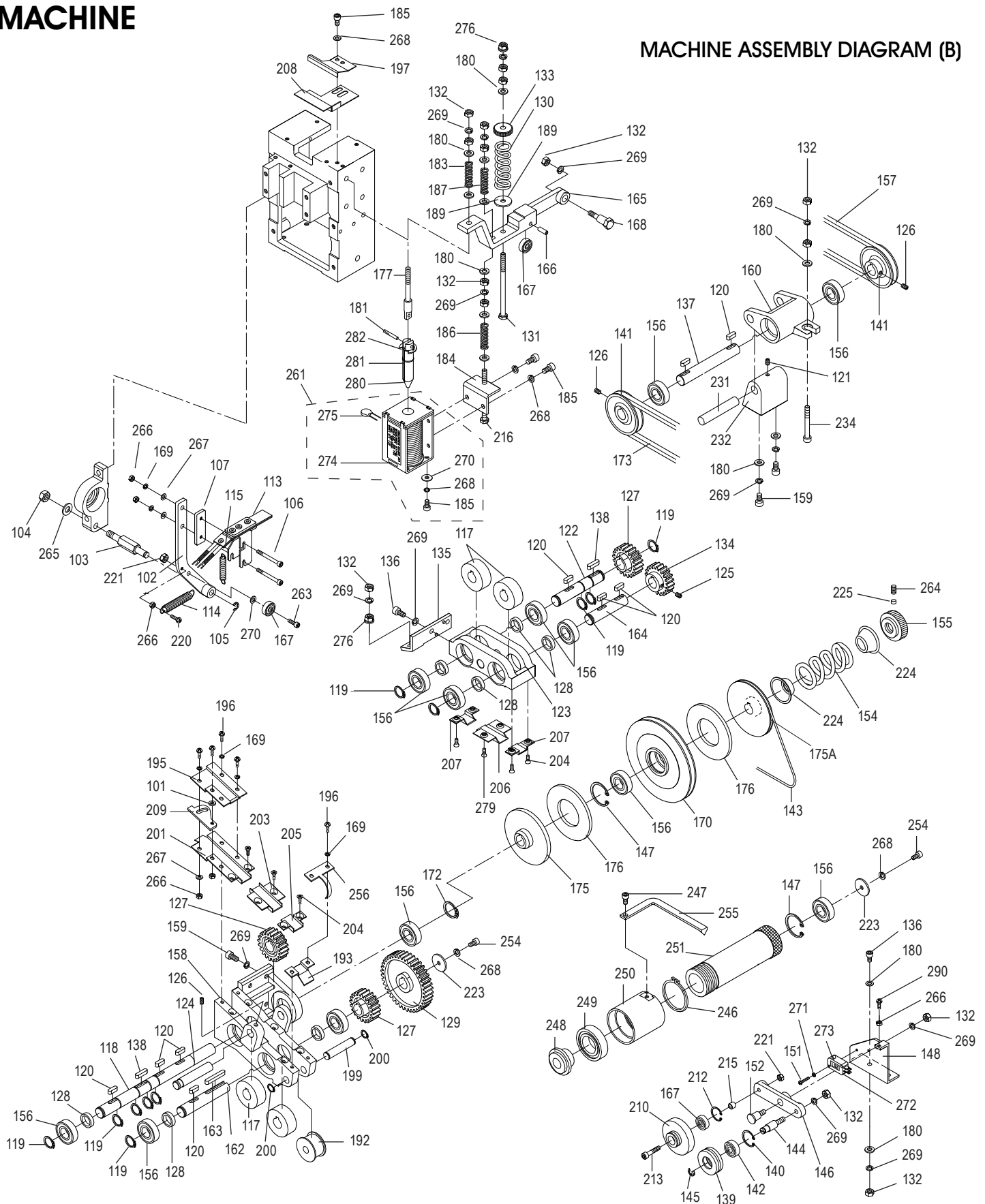
## FRAME ASSEMBLY PARTS LIST

| #  | DESCRIPTION                            | QTY. | ULINE PART NO | MFG. PART NO. |
|----|----------------------------------------|------|---------------|---------------|
| 55 | Hex Bolt (M6 x 20)                     | 14   | H-959-HBM6    | HBS0620       |
| 56 | Machine Screw (M6 x 20)                | 2    | -----         | HB0620        |
| 57 | Lock Washer (M6)                       | 20   | H-959-SW06    | SW06          |
| 58 | Snap Ring (S-10)                       | 5    | H-959-SR10    | SR10          |
| 59 | Plate Washer - C (M6; Pkg. of 50)      | 50   | H-959-PW06    | PW06C         |
| 60 | Plate Washer A                         | 2    | H-959-PW06A   | PW06A         |
| 61 | Plate Washer B                         | 2    | H-959-PW06BQ  | PW06B         |
| 63 | Wing Nut (M6)                          | 2    | H-959-WN06A   | WN06          |
| 64 | Hex Nut (M6)                           | 8    | H-959-HN06    | HN06          |
| 65 | Safety Switch Plate                    | 2    | -----         | TE-065        |
| 67 | Machine Screw (M6 x 12)                | 1    | H-959-0612Q   | TMS0612       |
| 68 | Collar                                 | 1    | H-959-TC068   | TC-068        |
| 69 | Lock Nut (M6)                          | 2    | H-959-NTE06Q  | NTE06         |
| 70 | Shaft                                  | 2    | H-959-TC070   | TC-070        |
| 71 | Machine Screw (M6 x 12)                | 1    | H-959-FMS612  | FMS0612       |
| 73 | Hinge                                  | 1    | H-959-HINGE   | T5-2-10170    |
| 74 | Center Drum (230mm)                    | 1    | H-959-TC074   | TC-074        |
| 75 | Center Drum (280mm) (Option Not Shown) | 1    | H-959-TC075   | TC-075        |
| 76 | Washer                                 | 1    | H-959-TC076   | TC-076        |
| 77 | Snap Ring (E-19)                       | 1    | H-959-ER19    | ER19          |
| 78 | Guide                                  | 1    | H-959-TB205   | TB-205        |
| 84 | Hex Bolt (M6 x 12)                     | 4    | H-959-HB0612  | HB0612        |
| 85 | Machine Screw (M4 x 8)                 | 2    | H-959-MSCREW  | TMS0408       |
| 86 | Lock Washer (M4)                       | 2    | H-959-SW04    | SW04          |
| 87 | Hex Nut (M4)                           | 6    | H-959-HN04    | HN04          |
| 92 | Machine Screw (M4 x 25)                | 4    | H-959-S0425   | PMS0425       |
| 93 | Plate Washer (M4)                      | 6    | H-959-PW04    | PW04          |
| 94 | Hex Bolt (M6 x 10)                     | 1    | -----         | HB0610        |
| 95 | Machine Screw (M4 x 8)                 | 2    | H-959PMS0408  | PMS0408       |

# ULINE H-959 POLY STRAPPING MACHINE

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MACHINE ASSEMBLY DIAGRAM (B)



# ULINE H-959 POLY STRAPPING MACHINE

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## MACHINE ASSEMBLY (B) PARTS LIST

| #   | DESCRIPTION                          | QTY. | ULINE PART NO. | MFG. PART NO. |
|-----|--------------------------------------|------|----------------|---------------|
| 101 | Plate Washer (M4)                    | 2    | H-959-PW04     | PW04          |
| 102 | Heater Arm                           | 1    | H-959-TB102    | TB-102        |
| 103 | Pin                                  | 1    | H-959-TB103    | TB-103        |
| 104 | Hex Nut (M8)                         | 1    | H-959-HN08     | HN08          |
| 105 | Snap Ring (E-6)                      | 1    | H-959-ER06     | ER06          |
| 106 | Hex Bolt (M4 x 40)                   | 2    | H-959-M4X40    | HBS0440H      |
| 107 | Side Plate                           | 1    | H-959-TB107    | TB-107        |
| 113 | Heater Assembly                      | 1    | H-959-TB113    | TB-113        |
| 114 | Return Spring                        | 1    | H-959-TB114    | TB-114        |
| 115 | Spring                               | 1    | H-959-TB115    | TB-115        |
| 117 | Roller                               | 4    | H-959-TB117    | TB-117        |
| 118 | Shaft For Outside Tension Adjustment | 1    | H-959-TB118A   | TB-118A       |
| 119 | Stop Ring (S-15)                     | 9    | H-959-SR15     | SR-15         |
| 120 | Key (5 x 5 x 15)                     | 9    | H-959-KYA05    | KYA050515     |
| 121 | Hex Set Screw (M5 x 6)               | 2    | -----          | HSS0506G      |
| 122 | Shaft                                | 1    | -----          | TB-122        |
| 123 | Holder                               | 1    | -----          | TB-123        |
| 124 | Pin                                  | 1    | -----          | TB-124        |
| 125 | Hex Set Screw (M6 x 6)               | 1    | H-959-M6X6     | HSS0606G      |
| 126 | Hex Set Screw (M5 x 8)               | 3    | H-959-M5X8     | HSS0508G      |
| 127 | Gear                                 | 3    | H-959-TB127    | TB-127        |
| 128 | Collar                               | 7    | H-959-TB128    | TB-128        |
| 129 | Feed Gear                            | 1    | -----          | TB-129        |
| 130 | Spring                               | 1    | H-959-TB130    | TB-130        |
| 131 | Hex Bolt (M6 x 100)                  | 1    | H-959HB06100   | HB06100       |
| 132 | Hex Nut (M6)                         | 16   | H-959-HN06     | HN06          |
| 133 | Nut                                  | 1    | H-959-TB133    | TB-133        |
| 134 | Gear                                 | 1    | H-959-TB134    | TB-134        |
| 135 | Holder Arm                           | 1    | -----          | TB-135        |
| 136 | Hex Bolt (M6 x 16)                   | 4    | -----          | -----         |
| 137 | Shaft                                | 1    | H-959-TB137    | TB-137        |
| 138 | Key (5 x 5 x 20)                     | 2    | H-959-TB138    | KYA050520     |
| 139 | Pulley                               | 1    | H-959-TB139    | TB-139        |
| 140 | Stop Ring (S-22)                     | 1    | -----          | RR22          |
| 141 | Pulley                               | 1    | H-959-TB141    | TB-141        |
| 142 | Bearing, 608ZZ                       | 1    | H-959-608ZZ    | BR608ZZ       |
| 143 | Round Belt                           | 1    | H-959-TB143    | TB-143        |

# ULINE H-959 POLY STRAPPING MACHINE

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## MACHINE ASSEMBLY (B) PARTS LIST CONTINUED

| #    | DESCRIPTION                   | QTY. | ULINE PART NO. | MFG. PART NO. |
|------|-------------------------------|------|----------------|---------------|
| 144  | Shaft                         | 1    | -----          | TB-144        |
| 145  | Snap Ring (E-7)               | 1    | H-959-ER07S    | ER07S         |
| 146  | Arm                           | 1    | -----          | TB-146        |
| 147  | Snap Ring (H-32)              | 2    | H-959-RR32     | RR32          |
| 148  | Bracket                       | 1    | H-959-TB148    | TB-148        |
| 151  | Machine Screw (M3 x 15)       | 2    | H-959-0315     | PMS0315       |
| 152  | Shaft                         | 1    | H-959-TB152    | TB-152        |
| 154  | Spring                        | 1    | H-959-TB154    | TB-154        |
| 155  | Nut                           | 1    | -----          | TB-155        |
| 156  | Bearing, 6002ZZ               | 12   | H-959-6002ZZ   | BR6002ZZ      |
| 157  | V-Belt (K-21)                 | 1    | H-959-TB157    | TB-157        |
| 158  | Bracket                       | 1    | -----          | TB-158        |
| 159  | Hex Bolt (M6 x 20)            | 6    | H-959-HBM6     | HBS0620       |
| 160  | Bracket                       | 1    | H-959-TB160    | TB-160        |
| 162  | Shaft                         | 1    | -----          | TB-162        |
| 163  | Key (5 x 5 x 38)              | 1    | -----          | KYA050538     |
| 164  | Shaft                         | 1    | -----          | TB-164        |
| 165  | Solenoid Arm                  | 1    | -----          | TB-165        |
| 166  | Spring Pin (5 x 20)           | 1    | -----          | SP0520        |
| 167  | Bearing, 635ZZ                | 3    | H-959-TA076    | BR635ZZ       |
| 168  | Arm Pin                       | 1    | H-959-APIN     | TB-168        |
| 169  | Lock Washer (M4)              | 6    | H-959-SW04     | SW04          |
| 170  | Pulley                        | 1    | H-959-TB170    | TB-170        |
| 172  | Stop Ring (S-15)              | 1    | H-959-SR15     | SR15          |
| 173  | V-Belt (K-19)                 | 1    | H-959-TB173    | TB-173        |
| 175  | Plate                         | 1    | H-959-TB175    | TB-175        |
| 175A | Plate                         | 1    | H-959-TB175A   | TB-175A       |
| 176  | Friction Disc                 | 2    | H-959-TB176    | TB-176        |
| 177  | Pull Shaft                    | 1    | H-959-TB177    | TB-177        |
| 180  | Plate Washer (M6; Pkg. of 50) | 23   | H-959-PW06A    | PW06A         |
| 181  | Spring Pin (4 x 14)           | 1    | H-959-SP0414   | SP0414        |
| 183  | Spring                        | 1    | -----          | TB-183        |
| 184  | Stop Bracket                  | 1    | -----          | TB-184        |
| 185  | Hex Bolt (M5 x 10)            | 4    | H-959HBS0510   | HBS0510       |
| 186  | Spring                        | 1    | -----          | TB-186        |
| 187  | Spring                        | 1    | -----          | TB-187        |
| 189  | Retainer                      | 1    | H-32-TB189     | TB-189        |
| 192  | Roller                        | 1    | H-959-TB192    | TB-192        |
| 193  | Guide                         | 1    | H-959-TB193    | TB-193        |

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## MACHINE ASSEMBLY (B) PARTS LIST CONTINUED

| #   | DESCRIPTION                      | QTY. | ULINE PART NO. | MFG. PART NO. |
|-----|----------------------------------|------|----------------|---------------|
| 195 | Outlet Cover                     | 1    | H-959-195      | TB-195        |
| 196 | Machine Screw (M4 x 10)          | 7    | H-959-TB196    | PMS0410       |
| 197 | Strapping Inlet Guide (Top)      | 1    | H-959-TB197    | TB-197        |
| 199 | Pin                              | 1    | H-959-TB199    | TB-199        |
| 200 | Stop Ring (S-10)                 | 2    | H-959-SR10     | SR10          |
| 201 | Outlet Guide                     | 1    | H-959-201      | TB-201        |
| 203 | Guide                            | 1    | H-959-203      | TB-203        |
| 204 | Machine Screw (M4 x 8)           | 10   | H-959FMS0408   | FMS0408       |
| 205 | Guide                            | 1    | H-959-TB205    | TB-205        |
| 206 | Cover                            | 1    | H-959-TB206    | TB-206        |
| 207 | Guide                            | 2    | H-959-TB207    | TB-207        |
| 208 | Strapping Inlet Guide (Bottom)   | 1    | H-959-TB208    | TB-208        |
| 209 | Strapping Width Adjustment Plate | 1    | H-959-209      | TB-209        |
| 210 | Pulley                           | 1    | H-959-TB210    | TB-210        |
| 212 | Stop Ring (S-19)                 | 1    | -----          | RR19          |
| 213 | Hex Bolt (M5 x 25)               | 1    | H-959-HB0525   | HBS0525H      |
| 215 | Collar                           | 1    | -----          | TB-215        |
| 216 | Hex Bolt (M6 X 80)               | 1    | -----          | HB0680        |
| 220 | Machine Screw (M4 x 12)          | 2    | H-959-M4X12    | PMS0412       |
| 221 | Hex Nut (M5)                     | 2    | H-959-HN05     | HN05          |
| 223 | Washer                           | 2    | H-959-TB223    | TB-223        |
| 224 | Spring Retainer                  | 2    | -----          | TB-224        |
| 225 | Bushing                          | 1    | H-959-TB225    | TB-225        |
| 231 | Pin                              | 1    | H-959-TB231Q   | TB-231        |
| 232 | Bracket                          | 1    | H-959-TB232Q   | TB-232        |
| 234 | Hex Bolt (M6 x 75)               | 1    | -----          | HBS0665H      |
| 246 | Stop Ring                        | 1    | H-959-SR40     | SR-40         |
| 247 | Hex Bolt (M5 x 6)                | 1    | H-959HBS0506   | HBS0506       |
| 248 | Spring Retainer                  | 1    | H-959-TB248    | TB-248        |
| 249 | Bearing, 6005ZZ                  | 1    | H-959-BR6005   | BR6005ZZ      |
| 250 | Spring Retaining Tube            | 1    | H-959-TB250    | TB-250        |
| 251 | Tension Adjustment Tube          | 1    | H-959-TB251    | TB-251        |
| 254 | Hex Bolt (M5 x 12)               | 2    | H-959HBS0512   | HBS0512       |
| 255 | Tension Gauge Arm                | 1    | H-959-TB255    | TB-255        |
| 256 | Feed Guide                       | 1    | H-959-TB256    | TB-256        |
| 261 | Solenoid (110V) Assembly         | 1    | H-959-TF003A   | TF-003A       |
| 263 | Hex Bolt (M5 x 16)               | 1    | H-959-M5X16    | HBS0516       |
| 265 | Lock Washer (M8)                 | 1    | H-959-SW08     | SW08          |
| 266 | Hex Nut (M4)                     | 7    | H-959-HN04     | HN04          |



**ULINE** H-959  
**POLY STRAPPING  
 MACHINE**

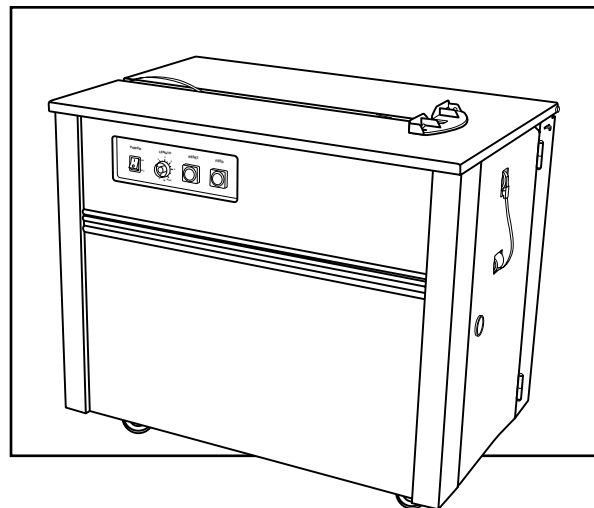
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**MACHINE ASSEMBLY (B) PARTS LIST CONTINUED**

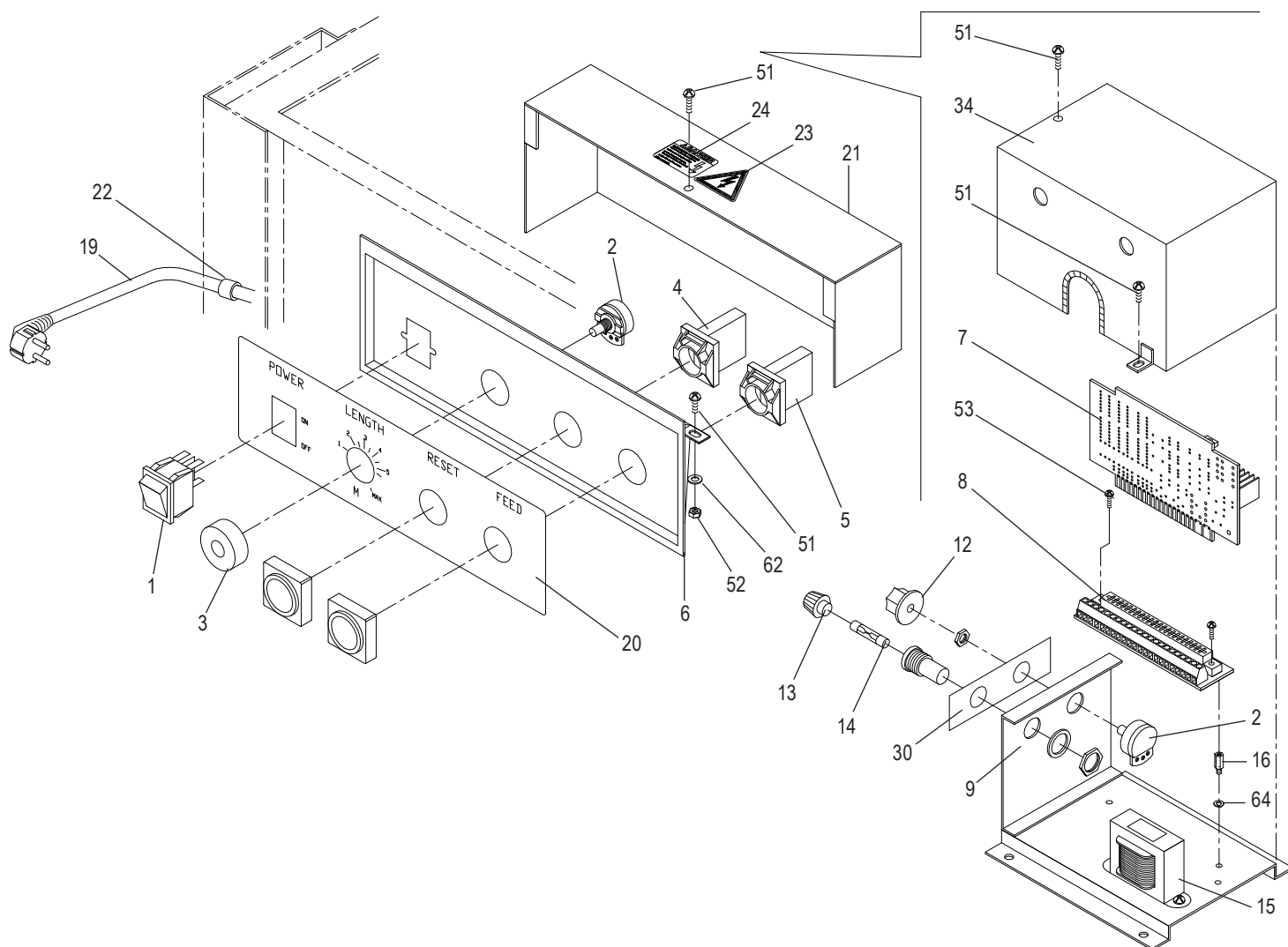
| #   | DESCRIPTION            | QTY. | ULINE PART NO. | MFG. PART NO. |
|-----|------------------------|------|----------------|---------------|
| 267 | Plate Washer (M4)      | 3    | H-959-PW04     | PW04          |
| 268 | Lock Washer            | 1    | H-959-SW05     | SW05          |
| 269 | Lock Washer (M6)       | 15   | H-959-SW06     | SW06          |
| 270 | Plate Washer (M5)      | 1    | H-959-PW05     | PW05          |
| 271 | Lock Washer (M3)       | 2    | -----          | SW03          |
| 272 | Microswitch (LS-2)     | 1    | H-959-TF007    | TF-007        |
| 273 | Name Plate (LS-2)      | 1    | H-959-LS2Q     | LA-50081      |
| 274 | Name Plate (SOL-1)     | 1    | H-959-SOL1Q    | LA-50083      |
| 275 | Varistor               | 1    | H-959-TF071    | TF-071        |
| 276 | Flange Nut (M6)        | 2    | H-959-FLG06    | FLG06         |
| 279 | Machine Screw (M4 x 6) | 2    | H-959FMS0406   | FMS0406       |
| 280 | Solenoid Shaft         | 1    | H-959-TA060    | TA-060        |
| 281 | Seal                   | 1    | H-959-TA086    | TA-086        |
| 282 | Stop Ring (S-12)       | 1    | H-959-TB172    | ER12          |
| 290 | Machine Screw          | 1    | -----          | TMS0412       |

**ULINE H-959**  
**MÁQUINA FLEJADORA**  
**DE POLIPROPILENO**

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**DIAGRAMA DEL PANEL DE CONTROL Y LA CUBIERTA DE LA TARJETA DE CIRCUITOS**



# ULINE H-959

## MÁQUINA FLEJADORA DE POLIPROPILENO

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### LISTA DE PARTES DEL PANEL DE CONTROL

| #  | DESCRIPCIÓN                            | CANT. | NO. DE PARTE DE ULINE | NO. DE PARTE DEL FABRICANTE |
|----|----------------------------------------|-------|-----------------------|-----------------------------|
| 1  | Interruptor de Encendido               | 1     | H-959-TG001           | TG-001                      |
| 2  | Resistencia Variable para Longitud     | 2     | H-959-TG002           | TG-002                      |
| 3  | Perilla para Longitud                  | 1     | H-959-TG003           | TG-003                      |
| 4  | Botón Interruptor (R) - Reset          | 1     | H-959-SWITCH          | TG-004                      |
| 5  | Botón Interruptor (L) - Feed           | 1     | H-959-TG005           | TG-005                      |
| 6  | Panel de Control                       | 1     | -----                 | TG-006                      |
| 7  | Tarjeta de Circuitos                   | 1     | H-959-TG007           | TG-007                      |
| 8  | Cavidad para Tarjetas de Circuitos     | 1     | H-959-TG008           | TG-008                      |
| 9  | Base para Circuitos                    | 1     | -----                 | TG-017                      |
| 12 | Perilla para el Temporizador del Motor | 1     | H-959-KNOBQ           | TG-012                      |
| 13 | Soporte para Fusible                   | 1     | H-959-TG013           | TG-013                      |
| 14 | Fusible (10A/110V AC)                  | 1     | H-959TG014            | T6-6-30133                  |
| 15 | Transformador (110V)                   | 1     | H-959-TG015           | TG-015                      |
| 16 | Tornillo                               | 1     | -----                 | TG-016                      |
| 19 | Enchufe                                | 1     | H-959-POWER           | TG-019                      |
| 20 | Placa de Control                       | 1     | -----                 | LA-10018                    |
| 21 | Tapa de los Interruptores              | 1     | H-959-TG021           | TG-021                      |
| 22 | Ojal                                   | 1     | H-959-TG022           | TG-022                      |
| 23 | Etiqueta                               | 1     | -----                 | LA-40001                    |
| 24 | Etiqueta                               | 1     | -----                 | LA-40003                    |
| 30 | Placa del Nombre                       | 1     | -----                 | LA-20170                    |
| 34 | Cubierta                               | 1     | -----                 | TG-035                      |
| 51 | Tornillo de la Máquina (M4 x 8)        | 6     | H-959-MSCREW          | TMS0408                     |
| 52 | Tuerca Hexagonal (M4)                  | 3     | H-959-HN04            | HN04                        |
| 53 | Tornillo de la Máquina (M3 x 12)       | 2     | H-959-M3X12           | TMS0312                     |
| 62 | Rondana (M4)                           | 2     | H-959-PW04            | PW04                        |
| 63 | Tornillo de la Máquina (M4 x 8)        | 2     | H-959-MSCREW          | TMS0408                     |
| 64 | Rondana de Presión 03                  | 2     | -----                 | SW03                        |

# MÁQUINA FLEJADORA DE POLIPROPILENO

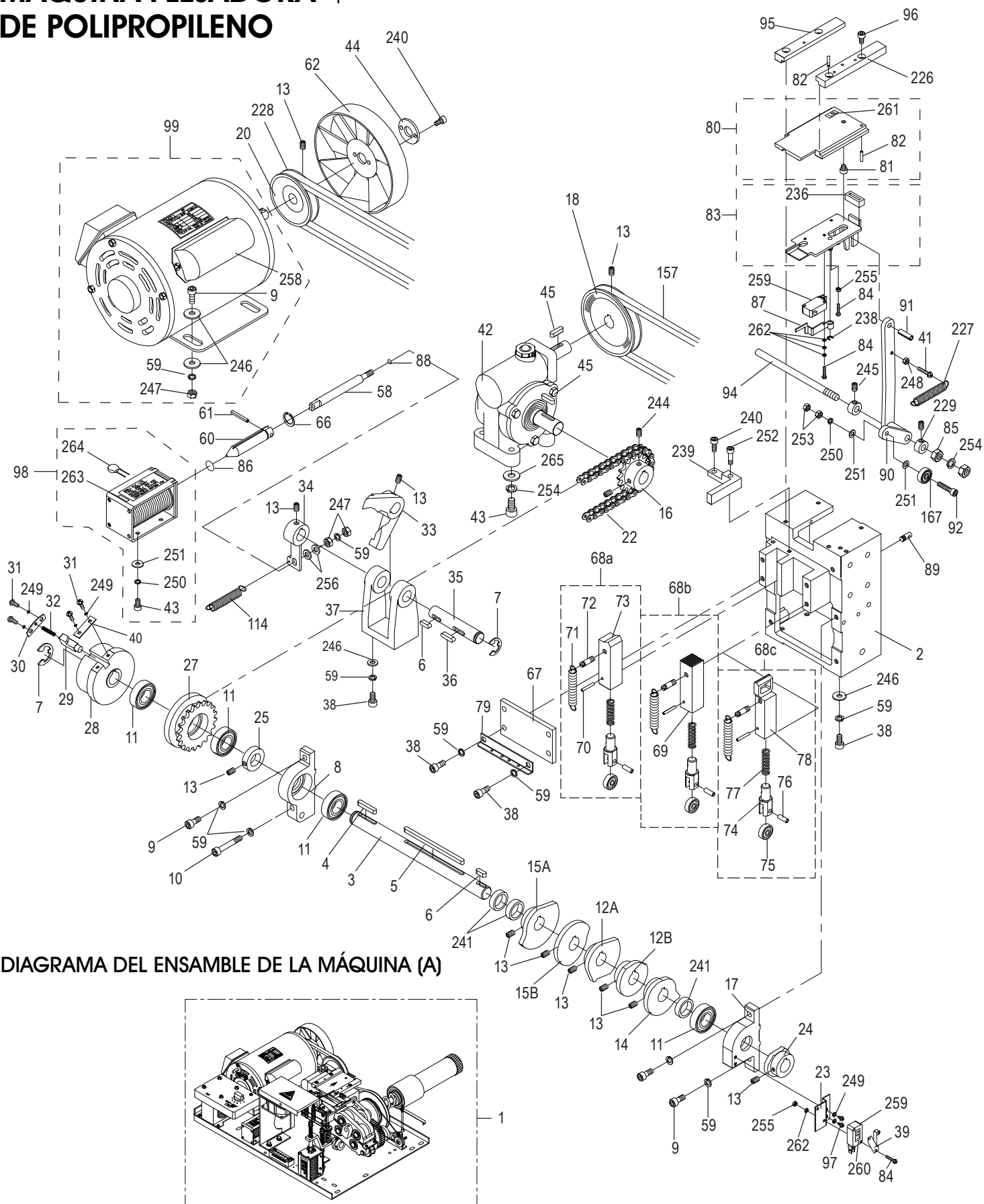


DIAGRAMA DEL ENSAMBLE DE LA MÁQUINA (A)

# MÁQUINA FLEJADORA DE POLIPROPILENO

## LISTA DE PARTES DEL ENSAMBLE DE LA MÁQUINA (A)

| #   | DESCRIPCIÓN                           | CANT. | NO. DE PARTE DE ULINE | NO. DE PARTE DEL FABRICANTE |
|-----|---------------------------------------|-------|-----------------------|-----------------------------|
| 1   | Unidad de Control Principal           | 1     | -----                 | TA-901                      |
| 2   | Bloque Principal del Cuerpo           | 1     | H-959BLOCKQ           | T5-1-10110                  |
| 3   | Barra de Levas                        | 1     | -----                 | TA-003                      |
| 4   | Llave (5 x 5 x 30)                    | 1     | -----                 | KYA050530                   |
| 5   | Llave (5 x 5 x 101)                   | 1     | -----                 | KYA0505101                  |
| 6   | Llave (5 x 5 x 15)                    | 2     | H-959-KYA05           | KYA050515                   |
| 7   | Anillo de Presión (E-12)              | 2     | H-959-TB172           | ER12                        |
| 8   | Soporte del Balero (R)                | 1     | -----                 | TA-008-2                    |
| 9   | Remache Hexagonal (M6 x 20)           | 6     | H-959-HBM6            | HBS0620                     |
| 10  | Remache Hexagonal (M6 x 45)           | 1     | -----                 | HBS0645H                    |
| 11  | Balero, 6003ZZ                        | 4     | H-959-6003ZZ          | BR6003ZZ                    |
| 12A | Apoyo de Levas                        | 1     | H-959-TA12AQ          | TA-012A                     |
| 12B | Apoyo de Levas                        | 1     | H-959-TA12BQ          | TA-012B                     |
| 13  | Tornillo Hexagonal de Ajuste (M6 x 8) | 13    | H-959-HSS060          | HSS0608G                    |
| 14  | Separador de Leva                     | 1     | H-959-TA014           | TA-014                      |
| 15A | Barra de Leva Trasera                 | 1     | H-959-TA15AQ          | TA-015A                     |
| 15B | Leva de Calentamiento                 | 1     | H-959-TA15BQ          | TA-015B                     |
| 16  | Engrane                               | 1     | H-959-TA016           | TA-016                      |
| 17  | Balero de Soporte (R)                 | 1     | -----                 | TA-017-2                    |
| 18  | Polea                                 | 1     | H-959-TA018           | TA-018                      |
| 20  | Polea                                 | 1     | H-959-TA020           | TA-020                      |
| 22  | Cadena                                | 1     | H-959-TA022           | TA-022                      |
| 23  | Soporte del Microswitch               | 1     | H-959-TF002           | TF-002                      |
| 24  | Leva Trasera                          | 1     | H-959-TA024           | TA-024                      |
| 25  | Collar                                | 1     | -----                 | TA-025                      |
| 27  | Rueda Dentada                         | 1     | H-959-TA027           | TA-027                      |
| 28  | Cavidad                               | 1     | H-959-TA028           | TA-028                      |
| 29  | Perno                                 | 1     | H-959-TA029           | TA-029                      |
| 30  | Soporte                               | 1     | -----                 | TA-030                      |
| 31  | Tornillo de Máquina (M4 x 8)          | 6     | H-959PMS0408          | PMS0408                     |
| 32  | Resorte                               | 1     | H-959-32              | TA-032                      |
| 33  | Tope de Leva                          | 1     | H-959-33              | TA-033                      |
| 34  | Alarma del Embrague                   | 1     | H-959-TA034           | TA-034                      |
| 35  | Eje                                   | 1     | -----                 | TA-035                      |
| 36  | Llave (5 x 5 x 20)                    | 1     | H-959-TB138           | KYA050520                   |
| 37  | Soporte del Embrague                  | 1     | -----                 | TA-037                      |
| 38  | Remache Hexagonal (M6 x 16)           | 14    | -----                 | HBS0616                     |
| 39  | Gatillo                               | 1     | H-959-TF009           | TF-009                      |
| 40  | Guía                                  | 1     | -----                 | TA-040                      |
| 41  | Tornillo de Máquina (M4 x 20)         | 1     | H-959-M4X20           | PMS0420                     |
| 42  | Caja de Cambios                       | 1     | H-959-TA042           | TA-042                      |
| 43  | Remache Hexagonal (M8 x 20)           | 4     | -----                 | HBS0820                     |

**MÁQUINA FLEJADORA  
DE POLIPROPILENO****CONTINUACIÓN DE LA LISTA DE PARTES DEL ENSAMBLE DE LA MÁQUINA (A)**

| #   | DESCRIPCIÓN                                                                                                                                                                                                                                                                             | CANT. | NO. DE PARTE DE ULINE | NO. DE PARTE DEL FABRICANTE |
|-----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-----------------------|-----------------------------|
| 44  | Rondana                                                                                                                                                                                                                                                                                 | 1     | H-959-TF022           | TF-022                      |
| 45  | Llave (5 x 5 x 25)                                                                                                                                                                                                                                                                      | 2     | -----                 | KYA050525                   |
| 58  | Tiro del Eje                                                                                                                                                                                                                                                                            | 1     | H-959-TA058           | TA-058                      |
| 59  | Rondana de Presión (M6)                                                                                                                                                                                                                                                                 | 19    | H-959-SW06            | SW06                        |
| 60  | Solenoide del Eje                                                                                                                                                                                                                                                                       | 1     | H-959-TA060           | TA-060                      |
| 61  | Pasador (4 x 14)                                                                                                                                                                                                                                                                        | 1     | H-959-SP0414          | SP0414                      |
| 62  | Abanico                                                                                                                                                                                                                                                                                 | 1     | H-959-TF028           | TF-028                      |
| 66  | Anillo de Presión (S-12)                                                                                                                                                                                                                                                                | 1     | H-959-TB172           | ER12                        |
| 67  | Tapa de la Guía de Barra                                                                                                                                                                                                                                                                | 1     | H-959-TA067           | TA-067                      |
| 68A | <b>Ensamble de Barra Trasera</b><br>Incluye:<br>• Pasador #70 (3 x 18)<br>• Resorte de Retorno #71<br>• Gancho de Resorte #72<br>• Barra Trasera #73<br>(No se Vende por Separado, es Parte del Ensamble)<br>• Pistón #74<br>• Balero #75<br>• Pasador #76 (5 x 14)<br>• Resorte #77    | 1     | H-959-13000           | T513000                     |
| 68B | <b>Ensamble de Barra de Presión</b><br>Incluye:<br>• Barra Frontal #69<br>(No se Vende por Separado, es Parte del Ensamble)<br>• Pasador #70 (3 x 18)<br>• Resorte de Retorno #71<br>• Gancho de Resorte #72<br>• Pistón #74<br>• Balero #75<br>• Pasador #76 (5 x 14)<br>• Resorte #77 | 1     | H-959-14000           | T514000                     |
| 68C | <b>Ensamble de Barra Frontal</b><br>Incluye:<br>• Pasador #70 (3 x 18)<br>• Resorte de Retorno #71<br>• Gancho de Resorte #72<br>• Pistón #74<br>• Balero #75<br>• Pasador #76 (5 x 14)<br>• Resorte #77<br>• Barra Frontal #78<br>(No se Vende por Separado, es Parte del Ensamble)    | 1     | H-959-15000           | T515000                     |
| 69  | Barra Frontal<br>(No se Vende por Separado, es Parte del Ensamble)                                                                                                                                                                                                                      | 1     | -----                 | -----                       |
| 70  | Pasador (3 x 18)                                                                                                                                                                                                                                                                        | 3     | -----                 | -----                       |
| 71  | Resorte de Retorno                                                                                                                                                                                                                                                                      | 3     | H-959-TA071           | TA-071                      |
| 72  | Gancho de Resorte                                                                                                                                                                                                                                                                       | 3     | -----                 | -----                       |
| 73  | Barra Trasera<br>(No se Vende por Separado, es Parte del Ensamble)                                                                                                                                                                                                                      | 1     | -----                 | -----                       |
| 74  | Pistón                                                                                                                                                                                                                                                                                  | 3     | -----                 | -----                       |
| 75  | Balero                                                                                                                                                                                                                                                                                  | 4     | -----                 | -----                       |
| 76  | Pasador (5 x 14)                                                                                                                                                                                                                                                                        | 3     | -----                 | -----                       |
| 77  | Resorte                                                                                                                                                                                                                                                                                 | 3     | -----                 | -----                       |

# MÁQUINA FLEJADORA DE POLIPROPILENO

## CONTINUACIÓN DE LA LISTA DE PARTES DEL ENSAMBLE DE LA MÁQUINA (A)

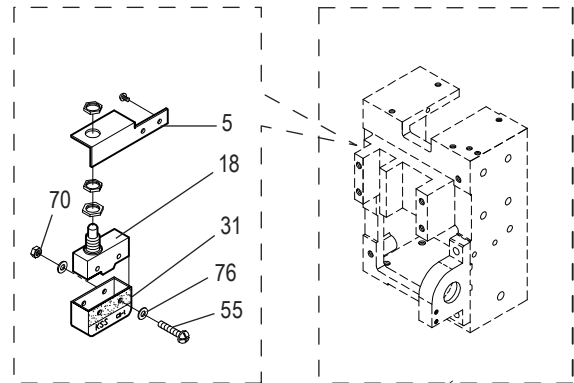
| #   | DESCRIPCIÓN                                                                                                                                                                                                     | CANT. | NO. DE PARTE DE ULINE | NO. DE PARTE DEL FABRICANTE |
|-----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|-----------------------|-----------------------------|
| 78  | Barra Frontal<br>(No se Vende por Separado, es Parte del Ensamble)                                                                                                                                              | 1     | -----                 | -----                       |
| 79  | Soporte para Gancho de Resorte                                                                                                                                                                                  | 1     | H-959TA072Q           | TA-072                      |
| 80  | Ensamble de la Placa de Deslizamiento LS1<br>Incluye:<br>• Remache Hexagonal #81 (M5 x 5.2)<br>• Pasador #82 (3 x 14)<br>• Placa del Nombre (LS-1)                                                              | 1     | H-959-SLIDE           | TA-080A                     |
| 81  | Remache Hexagonal (M5 x 5.2)                                                                                                                                                                                    | 3     | H-959-SP0314          | SP0314                      |
| 82  | Pasador (3 x 14)                                                                                                                                                                                                | 3     | H-959-SP0314          | SP0314                      |
| 83  | Ensamble del Separador<br>Incluye:<br>• Tapón de Goma del Ensamble #236                                                                                                                                         | 1     | H-959-TA083           | TA-083A                     |
| 84  | Tornillo de Máquina (M3 x 15)                                                                                                                                                                                   | 5     | H-959-0315            | PMS0315                     |
| 85  | Tuerca Hexagonal (M8)                                                                                                                                                                                           | 2     | H-959-HN08            | HN08                        |
| 86  | Sello (Grande)                                                                                                                                                                                                  | 1     | H-959-TA086           | TA-086                      |
| 87  | Gatillo                                                                                                                                                                                                         | 1     | H-959-TA087           | TA-087                      |
| 88  | Sello (Chico)                                                                                                                                                                                                   | 1     | H-959-88Q             | TA-088                      |
| 89  | Gancho de Resorte                                                                                                                                                                                               | 1     | H-959-TA089           | TA-089                      |
| 90  | Brazo                                                                                                                                                                                                           | 1     | H-959-TA090           | TA-090                      |
| 91  | Pasador (6 x 20)                                                                                                                                                                                                | 1     | H-959-SP0620          | SP0620                      |
| 92  | Remache Hexagonal (M5 x 25)                                                                                                                                                                                     | 1     | H-959-HB0525          | HBS0525                     |
| 94  | Eje                                                                                                                                                                                                             | 1     | H-959-TA094           | TA-094                      |
| 95  | Guía (Izquierdo)                                                                                                                                                                                                | 1     | H-32-TA095            | TA-095                      |
| 96  | Remache Hexagonal (M5 x 12)                                                                                                                                                                                     | 4     | H-959HBS0512          | HBS0512                     |
| 97  | Tornillo de Máquina (M4 x 8)                                                                                                                                                                                    | 2     | H-959PMS0408          | PMS0408                     |
| 98  | Ensamble del Solenoide (110V)                                                                                                                                                                                   | 1     | H-959-TF003A          | TF-003A                     |
| 99  | Ensamble del Motor (110V)<br>Incluye:<br>• Remache Hexagonal #9 (M6 x 20)<br>• Rondana de Presión #59 (M6)<br>• Rondana #246 (M6; Paq. de 50)<br>• Tuerca Hexagonal #247 (M6)<br>• Condensador de Arranque #258 | 1     | H-959-TF001           | TF-001                      |
| 114 | Resorte                                                                                                                                                                                                         | 1     | H-32-TA114            | TA-114                      |
| 157 | Banda-V (K-21)                                                                                                                                                                                                  | 1     | H-959-TB157           | TB-157                      |
| 226 | Guía (Derecho)                                                                                                                                                                                                  | 1     | H-32-TA226            | TA-226                      |
| 227 | Resorte de Retorno                                                                                                                                                                                              | 1     | H-959-TB114           | TB-114                      |
| 228 | Banda-V (M-21)                                                                                                                                                                                                  | 1     | H-959-TA228           | TA-228                      |
| 229 | Collar                                                                                                                                                                                                          | 2     | H-959-TA229           | TA-229                      |
| 236 | Tapón de Goma del Ensamble                                                                                                                                                                                      | 1     | H-959-TA236           | TA-236                      |
| 238 | Anillo de Presión (E-3)                                                                                                                                                                                         | 1     | H-959-TA238           | TA-238                      |
| 239 | Soporte de la Cortadora                                                                                                                                                                                         | 1     | H-959-TA239           | TA-239                      |
| 240 | Remache Hexagonal (M5 x 16)                                                                                                                                                                                     | 4     | H-959-M5X16           | HBS0516                     |
| 241 | Separador                                                                                                                                                                                                       | 3     | -----                 | TA-241                      |
| 244 | Tornillo Hexagonal de Ajuste (M5 x 6)                                                                                                                                                                           | 2     | H-959HBS0506          | HBS0506                     |

**MÁQUINA FLEJADORA  
DE POLIPROPILENO****CONTINUACIÓN DE LA LISTA DE PARTES DEL ENSAMBLE DE LA MÁQUINA (A)**

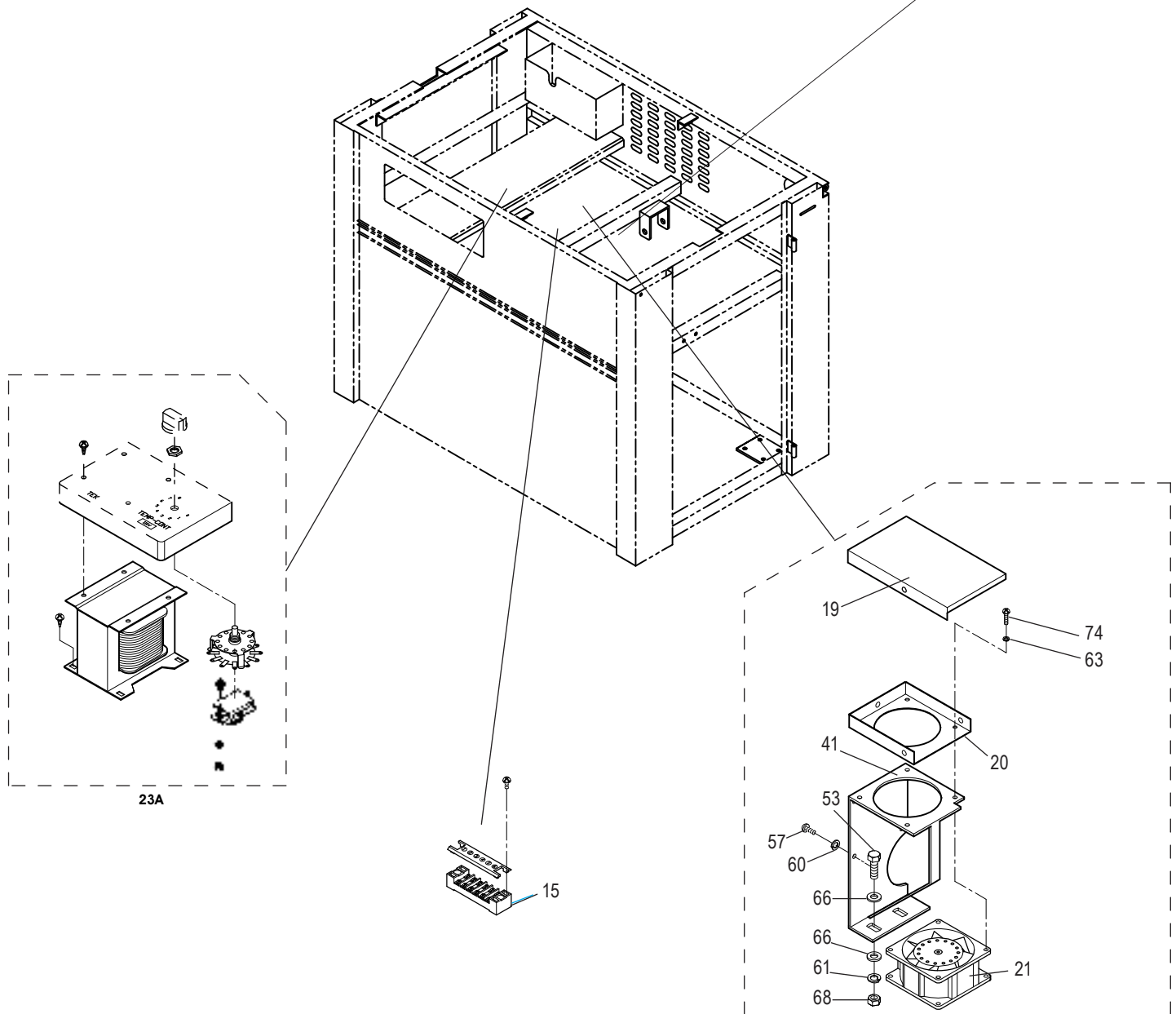
| #   | DESCRIPCIÓN                           | CANT. | NO. DE PARTE DE ULINE | NO. DE PARTE DEL FABRICANTE |
|-----|---------------------------------------|-------|-----------------------|-----------------------------|
| 245 | Tornillo Hexagonal de Ajuste (M6 x 6) | 2     | H-959-M6X6            | HSS0606G                    |
| 246 | Rondana (M6; Paq. de 50)              | 18    | H-959-PW06            | PW06C                       |
| 247 | Tuerca Hexagonal (M6)                 | 6     | H-959-HN06            | HN06                        |
| 248 | Tuerca Hexagonal (M4)                 | 1     | H-959-HN04            | HN04C                       |
| 249 | Rondana de Presion (M4)               | 4     | H-959-SW04            | SW04                        |
| 250 | Rondana de Presion (M5)               | 5     | H-959-SW05            | SW05                        |
| 251 | Rondana (M5)                          | 2     | H-959-PW05            | PW05                        |
| 252 | Remache Hexagonal (M5 x 25)           | 1     | H-959-HB0525          | HBS0525H                    |
| 253 | Tuerca Hexagonal (M5)                 | 2     | H-959-HN05            | HN05                        |
| 254 | Rondana de Presion (M8)               | 5     | H-959-SW08            | SW08                        |
| 255 | Tuerca Hexagonal (M3)                 | 1     | -----                 | HN03                        |
| 256 | Rondana (M6)                          | 2     | H-959-PW06A           | PW06A                       |
| 258 | Condensador de Arranque               | 1     | H-959-TF046           | TF-046                      |
| 259 | Microinterruptor (LS-1, LS-3)         | 2     | H-959-TF006           | TF-006                      |
| 260 | Placa del Nombre (LS-3)               | 1     | -----                 | LA-50082                    |
| 261 | Placa del Nombre (LS-1)               | 1     | H-959LA50080          | LA-50080                    |
| 262 | Rondana de Presión (M3)               | 3     | -----                 | SW03                        |
| 263 | Placa del Nombre (SOL-2)              | 1     | H-959SOL2Q            | LA-50084                    |
| 264 | Varistor                              | 1     | H-959-TF071           | TF-071                      |
| 265 | Rondana (M8)                          | 4     | -----                 | PW08C                       |



# MÁQUINA FLEJADORA DE POLIPROPILENO



## DIAGRAMA DE PARTES ELÉCTRICAS

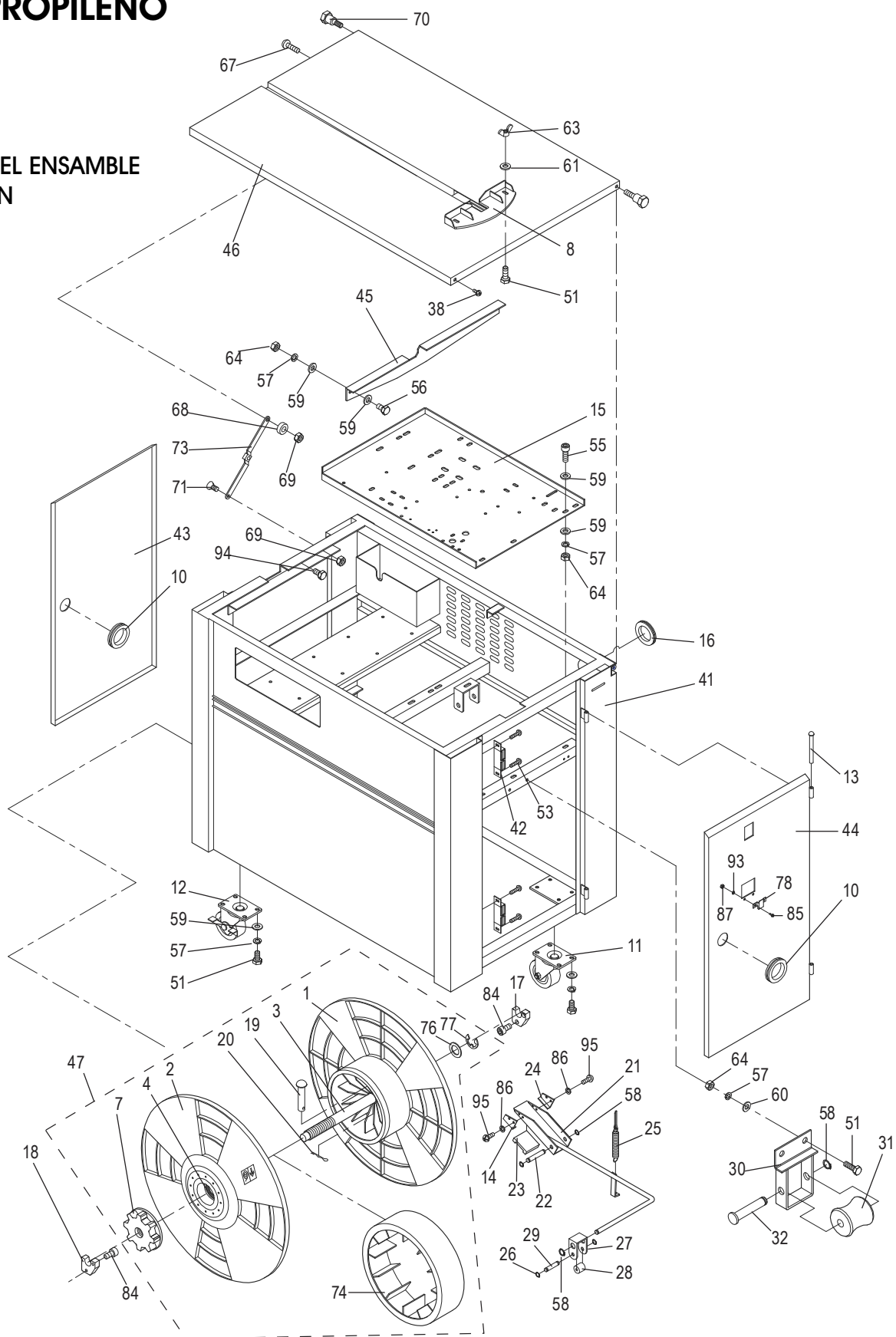


**MÁQUINA FLEJADORA  
DE POLIPROPILENO****LISTA DE PARTES ELÉCTRICAS**

| #   | DESCRIPCIÓN                                        | CANT. | NO. DE PARTE DE ULINE | NO. DE PARTE DEL FABRICANTE |
|-----|----------------------------------------------------|-------|-----------------------|-----------------------------|
| 5   | Placa del Interruptor de Seguridad                 | 1     | -----                 | TF-005                      |
| 15  | Soporte de la Terminal                             | 1     | H-959-15Q             | TF-015                      |
| 18  | Interruptor de Límite de Seguridad                 | 1     | H-959-TF018           | TF-018                      |
| 19  | Placa Adiabática                                   | 1     | H-959-TF019           | TF-019                      |
| 20  | Tapa del Abanico                                   | 1     | H-959-FC              | TF-020                      |
| 21  | Abanico (110V)                                     | 1     | H-959-TF021           | TF-021                      |
| 23A | Ensamble del Transformador de Calentamiento (110V) | 1     | H-959-TF023A          | TF-023A                     |
| 31  | Tapa del Interruptor                               | 1     | H-959-TF031           | TF-031                      |
| 41  | Soporte del Abanico                                | 1     | -----                 | TJ-022                      |
| 53  | Remache Hexagonal (M6 x 20)                        | 2     | H-959-HBM6            | HBS0620                     |
| 55  | Tornillo de Máquina (M4 x 25)                      | 2     | H-959-S0425           | PMS0425                     |
| 57  | Tornillo de Máquina (M4 x 10)                      | 8     | H-959-TB196           | PMS0412                     |
| 60  | Rondana de Presión (M4)                            | 8     | H-959-SW04            | PMS0410                     |
| 61  | Rondana de Presión (M6)                            | 2     | H-959-SW06            | SW06                        |
| 63  | Rondana de Presión (M5)                            | 6     | H-959-SW05            | SW05                        |
| 66  | Rondana (M6; Paq. de 50)                           | 4     | H-959-PW06            | PW06                        |
| 68  | Tuerca Hexagonal (M6)                              | 2     | H-959-HN06            | HN06                        |
| 70  | Tuerca Hexagonal (M4)                              | 2     | H-959-TF071           | HN04                        |
| 74  | Tornillo de Máquina (M5 x 8)                       | 2     | -----                 | TMS0508                     |
| 76  | Rondana (M4)                                       | 4     | H-959-PW04            | PW04                        |

# MÁQUINA FLEJADORA DE POLIPROPILENO

## DIAGRAMA DEL ENSAMBLE DEL ARMAZÓN



**LISTA DE PARTES DEL ENSAMBLE DEL MARCO**

| #  | DESCRIPCIÓN                   | CANT. | NO. DE PARTE DE ULINE | NO. DE PARTE DEL FABRICANTE |
|----|-------------------------------|-------|-----------------------|-----------------------------|
| 1  | Carril Interno                | 1     | H-959-TE001           | TE-001                      |
| 2  | Carril Externo                | 1     | H-959-TC014           | TC-014                      |
| 3  | Eje                           | 1     | H-959-TE003           | TE-003                      |
| 4  | Protector                     | 1     | H-959-TC015           | TC-015                      |
| 7  | Tuerca del Riel               | 1     | H-959-TC016           | TC-016                      |
| 8  | Guía del Paquete              | 1     | H-959-TC004           | TC-004                      |
| 10 | Ojal                          | 2     | H-959-TE010           | TE-010                      |
| 11 | Rueda                         | 2     | H-959-TE011           | TE-011                      |
| 12 | Rueda con Freno               | 2     | H-959-TE012           | TE-012                      |
| 13 | Perno de Bloqueo              | 4     | H-959-LPIN            | TE-013                      |
| 14 | Soporte del Freno (Derecho)   | 1     | H-959-TE014           | TE-014                      |
| 15 | Soporte                       | 1     | -----                 | TC-002                      |
| 16 | Ojal                          | 1     | H-959TC-008           | TC-008                      |
| 17 | Cubierta de Metal (Izquierdo) | 1     | H-959-TE017           | TE-017                      |
| 18 | Cubierta de Metal (Derecho)   | 1     | H-959-TE018           | TE-018                      |
| 19 | Perno                         | 1     | H-959-TC020           | TC-020                      |
| 20 | Pasador                       | 1     | H-959-TC021           | TC-021                      |
| 21 | Set de Freno                  | 1     | H-959-TE021           | TE-021                      |
| 22 | Perno                         | 1     | -----                 | TE-022                      |
| 23 | Goma de los Frenos            | 1     | H-959-TE023           | TE-023                      |
| 24 | Soporte de Freno (Izquierdo)  | 1     | H-959-TE024           | TE-024                      |
| 25 | Resorte                       | 1     | H-959-TE025           | TE-025                      |
| 26 | Anillo de Presión             | 2     | H-959-SNAP            | ER04                        |
| 27 | Soporte de Rodillo            | 1     | H-959-TE027           | TE-027                      |
| 28 | Rodillo                       | 1     | H-959-TE028           | TE-028                      |
| 29 | Perno                         | 1     | H-959-TE029           | TE-029                      |
| 30 | Soporte de Guía de la Banda   | 1     | H-959-TE030           | TE-030                      |
| 31 | Rodillo                       | 1     | H-959-TC049           | TC-049                      |
| 32 | Eje                           | 1     | H-959-TC048           | TC-048                      |
| 41 | Marco                         | 1     | -----                 | TE-041                      |
| 42 | Captura de Imán               | 4     | H-959-TE042           | TE-042                      |
| 43 | Puerta del Lado Izquierdo     | 1     | H-959-LDOOR           | TE-043                      |
| 44 | Puerta del Lado Derecho       | 1     | H-959-RDOOR           | TE-044                      |
| 45 | Soporte                       | 1     | -----                 | TE-045                      |
| 46 | Placa Superior                | 1     | H-959-TC043           | TC-043                      |
| 47 | Ensamble del Riel             | 1     | H-959-TE001A          | TE-001A                     |
| 51 | Remache Hexagonal (M6 x 12)   | 12    | H-959-HB0612          | HB0612                      |
| 53 | Tornillo de Máquina (M3 x 5)  | 8     | H-959-0305Q           | TMS0305                     |

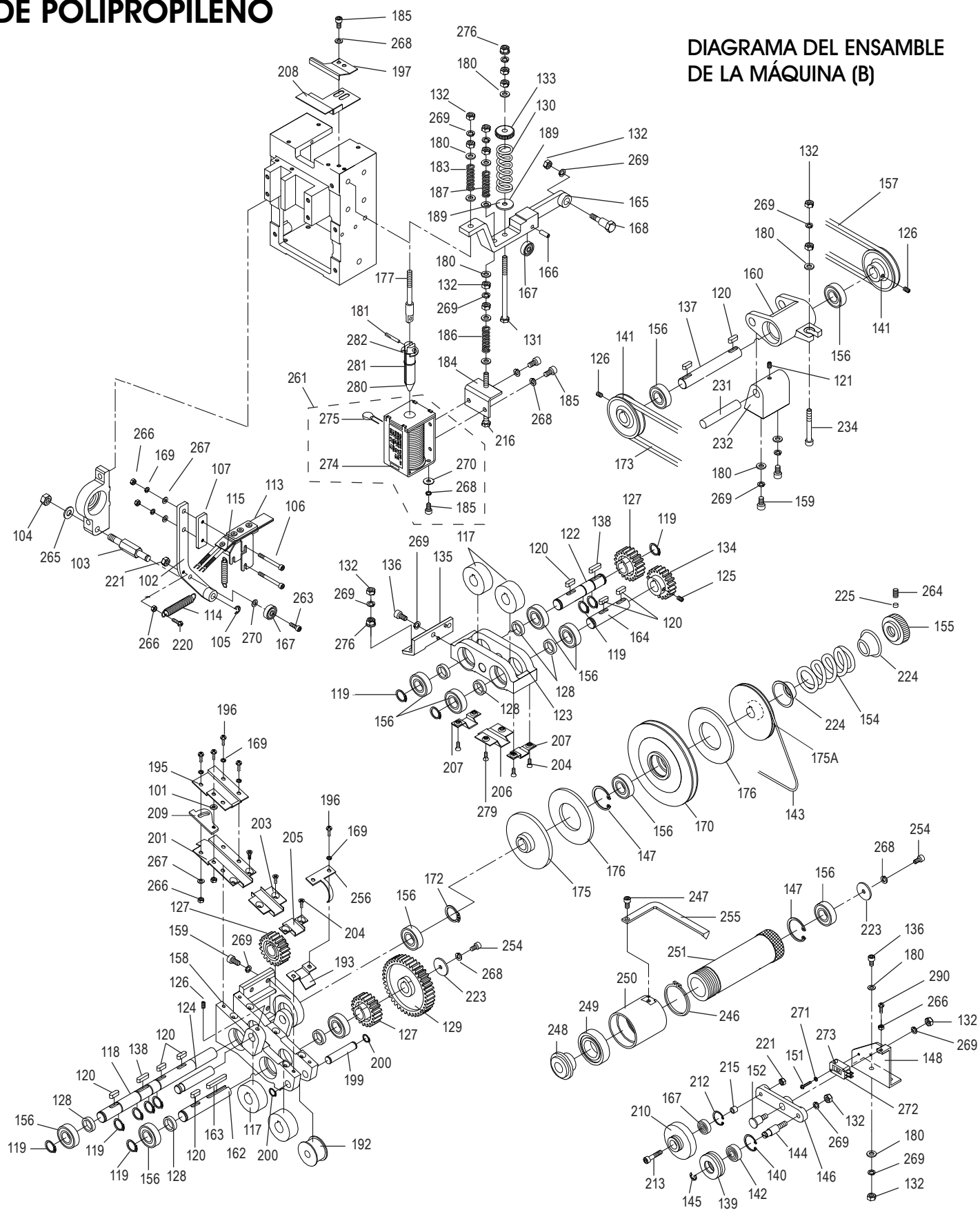
# MÁQUINA FLEJADORA DE POLIPROPILENO

## CONTINUACIÓN DE LA LISTA DE PARTES DEL ENSAMBLE DEL MARCO

| #  | DESCRIPCIÓN                        | CANT. | NO. DE PARTE DE ULINE | NO. DE PARTE DEL FABRICANTE |
|----|------------------------------------|-------|-----------------------|-----------------------------|
| 55 | Remache Hexagonal (M6 x 20)        | 14    | H-959-HBM6            | HBS0620                     |
| 56 | Tornillo de Máquina (M6 x 20)      | 2     | -----                 | HB0620                      |
| 57 | Rondana de Presión (M6)            | 20    | H-959-SW06            | SW06                        |
| 58 | Anillo de Presión (S-10)           | 5     | H-959-SR10            | SR10                        |
| 59 | Rondana - C (M6; Paq. de 50)       | 50    | H-959-PW06            | PW06C                       |
| 60 | Rondana A                          | 2     | H-959-PW06A           | PW06A                       |
| 61 | Rondana B                          | 2     | H-959-PW06BQ          | PW06B                       |
| 63 | Tuerca Mariposa (M6)               | 2     | H-959-WN06A           | WN06                        |
| 64 | Tuerca Hexagonal (M6)              | 8     | H-959-HN06            | HN06                        |
| 65 | Placa del Interruptor de Seguridad | 2     | -----                 | TE-065                      |
| 67 | Tornillo de Máquina (M6 x 12)      | 1     | H-959-0612Q           | TMS0612                     |
| 68 | Collar                             | 1     | H-959-TC068           | TC-068                      |
| 69 | Tuerca de Seguridad (M6)           | 2     | H-959-NTE06Q          | NTE06                       |
| 70 | Eje                                | 2     | H-959-TC070           | TC-070                      |
| 71 | Tornillo de Máquina (M6 x 12)      | 1     | H-959-FMS612          | FMS0612                     |
| 73 | Bisagra                            | 1     | H-959-HINGE           | T5-2-10170                  |
| 74 | Tambor Intermedio (230mm)          | 1     | H-959-TC074           | TC-074                      |
| 75 | Tambor Intermedio (280mm)          | 1     | H-959-TC075           | TC-075                      |
| 76 | Rondana                            | 1     | H-959-TC076           | TC-076                      |
| 77 | Anillo de Presión (E-19)           | 1     | H-959-ER19            | ER19                        |
| 78 | Guía                               | 1     | H-959-TB205           | TB-205                      |
| 84 | Remache Hexagonal (M6 x 12)        | 4     | H-959-HB0612          | HB0612                      |
| 85 | Tornillo de Máquina (M4 x 8)       | 2     | H-959-MSCREW          | TMS0408                     |
| 86 | Rondana de Presión (M4)            | 2     | H-959-SW04            | SW04                        |
| 87 | Tuerca Hexagonal (M4)              | 6     | H-959-HN04            | HN04                        |
| 92 | Tornillo de Máquina (M4 x 25)      | 4     | H-959-S0425           | PMS0425                     |
| 93 | Rondana (M4)                       | 6     | H-959-PW04            | PW04                        |
| 94 | Remache Hexagonal (M6 x 10)        | 1     | -----                 | HB0610                      |
| 95 | Tornillo de Máquina (M4 x 8)       | 2     | H-959PMS0408          | PMS0408                     |

# MÁQUINA FLEJADORA DE POLIPROPILENO

## DIAGRAMA DEL ENSAMBLE DE LA MÁQUINA (B)



**MÁQUINA FLEJADORA  
DE POLIPROPILENO****LISTA DE PARTES DEL ENSAMBLE DE LA MÁQUINA (B)**

| #   | DESCRIPCIÓN                           | CANT. | NO. DE PARTE DE ULINE | NO. DE PARTE DEL FABRICANTE |
|-----|---------------------------------------|-------|-----------------------|-----------------------------|
| 101 | Rondana (M4)                          | 2     | H-959-PW04            | PW04                        |
| 102 | Brazo de Calentamiento                | 1     | H-959-TB102           | TB-102                      |
| 103 | Perno                                 | 1     | H-959-TB103           | TB-103                      |
| 104 | Tuerca Hexagonal (M8)                 | 1     | H-959-HN08            | HN08                        |
| 105 | Anillo de Presión (E-6)               | 1     | H-959-ER06            | ER06                        |
| 106 | Remache Hexagonal (M4 x 40)           | 2     | H-959-M4X40           | HBS0440H                    |
| 107 | Placa Lateral                         | 1     | H-959-TB107           | TB-107                      |
| 113 | Ensamble de Calentador                | 1     | H-959-TB113           | TB-113                      |
| 114 | Resorte de Retorno                    | 1     | H-959-TB114           | TB-114                      |
| 115 | Resorte                               | 1     | H-959-TB115           | TB-115                      |
| 117 | Rodillo                               | 4     | H-959-TB117           | TB-117                      |
| 118 | Eje para el Ajuste de Tensión Externo | 1     | H-959-TB118A          | TB-118A                     |
| 119 | Anillo de Retención (S-15)            | 9     | H-959-SR15            | SR15                        |
| 120 | Llave (5 x 5 x 15)                    | 9     | H-959-KYA05           | KYA050515                   |
| 121 | Tornillo Hexagonal de Ajuste (M5 x 6) | 2     | -----                 | HSS0506G                    |
| 122 | Eje                                   | 1     | -----                 | TB-122                      |
| 123 | Soporte                               | 1     | -----                 | TB-123                      |
| 124 | Perno                                 | 1     | -----                 | TB-124                      |
| 125 | Tornillo Hexagonal de Ajuste (M6 x 6) | 1     | H-959-M6X6            | HSS0606G                    |
| 126 | Tornillo Hexagonal de Ajuste (M5 x 8) | 3     | H-959-M5X8            | HSS0508G                    |
| 127 | Engrane                               | 3     | H-959-TB127           | TB-127                      |
| 128 | Collar                                | 7     | H-959-TB128           | TB-128                      |
| 129 | Engrane de Alimentación               | 1     | -----                 | TB-129                      |
| 130 | Resorte                               | 1     | H-959-TB130           | TB-130                      |
| 131 | Remache Hexagonal (M6 x 100)          | 1     | H-959HB06100          | HB06100                     |
| 132 | Tuerca Hexagonal (M6)                 | 16    | H-959-HN06            | HN06                        |
| 133 | Tuerca                                | 1     | H-959-TB133           | TB-133                      |
| 134 | Engrane                               | 1     | H-959-TB134           | TB-134                      |
| 135 | Brazo de Soporte                      | 1     | -----                 | TB-135                      |
| 136 | Remache Hexagonal (M6 x 16)           | 4     | -----                 | -----                       |
| 137 | Eje                                   | 1     | H-959-TB137           | TB-137                      |
| 138 | Llave (5 x 5 x 20)                    | 2     | H-959-TB138           | KYA050520                   |
| 139 | Polea                                 | 1     | H-959-TB139           | TB-139                      |
| 140 | Anillo de Retención (S-22)            | 1     | -----                 | RR22                        |
| 141 | Polea                                 | 1     | H-959-TB141           | TB-141                      |
| 142 | Balero, 608ZZ                         | 1     | H-959-608ZZ           | BR608ZZ                     |
| 143 | Banda Redonda                         | 1     | H-959-TB143           | TB-143                      |

**MÁQUINA FLEJADORA  
DE POLIPROPILENO****CONTINUACIÓN DE LA LISTA DE PARTES DEL ENSAMBLE DE LA MÁQUINA (B)**

| #    | DESCRIPCIÓN                   | CANT. | NO. DE PARTE DE ULINE | NO. DE PARTE DEL FABRICANTE |
|------|-------------------------------|-------|-----------------------|-----------------------------|
| 144  | Eje                           | 1     | -----                 | TB-144                      |
| 145  | Anillo de Presión (E-7)       | 1     | H-959-ER07S           | ER07S                       |
| 146  | Brazo                         | 1     | -----                 | TB-146                      |
| 147  | Anillo de Presión (H-32)      | 2     | H-959-RR32            | RR32                        |
| 148  | Soporte                       | 1     | H-959-TB148           | TB-148                      |
| 151  | Tornillo de Máquina (M3 x 15) | 2     | H-959-0315            | PMS0315                     |
| 152  | Eje                           | 1     | H-959-TB152           | TB-152                      |
| 154  | Resorte                       | 1     | H-959-TB154           | TB-154                      |
| 155  | Tuerca                        | 1     | -----                 | TB-155                      |
| 156  | Balero, 6002ZZ                | 12    | H-959-6002ZZ          | BR6002ZZ                    |
| 157  | Banda-V (K-21)                | 1     | H-959-TB157           | TB-157                      |
| 158  | Soporte                       | 1     | -----                 | TB-158                      |
| 159  | Remache Hexagonal (M6 x 20)   | 6     | H-959-HBM6            | HBS0620                     |
| 160  | Soporte                       | 1     | H-959-TB160           | TB-160                      |
| 162  | Eje                           | 1     | -----                 | TB-162                      |
| 163  | Llave (5 x 5 x 38)            | 1     | -----                 | KYA050538                   |
| 164  | Eje                           | 1     | -----                 | TB-164                      |
| 165  | Brazo Solenoide               | 1     | -----                 | TB-165                      |
| 166  | Pasador (5 x 20)              | 1     | -----                 | SP0520                      |
| 167  | Balero, 635ZZ                 | 3     | H-959-TA076           | BR635ZZ                     |
| 168  | Pasador de Brazo              | 1     | H-959-APIN            | TB-168                      |
| 169  | Rondana de Presión (M4)       | 6     | H-959-SW04            | SW04                        |
| 170  | Riel                          | 1     | H-959-TB170           | TB-170                      |
| 172  | Tope de Anillo (S-15)         | 1     | H-959-SR15            | SR15                        |
| 173  | Banda-V (K-19)                | 1     | H-959-TB173           | TB-173                      |
| 175  | Placa                         | 1     | H-959-TB175           | TB-175                      |
| 175a | Placa                         | 1     | H-959-TB175A          | TB-175A                     |
| 176  | Disco de Fricción             | 2     | H-959-TB176           | TB-176                      |
| 177  | Tiro del Eje                  | 1     | H-959-TB177           | TB-177                      |
| 180  | Rondana (M6)                  | 23    | H-959-PW06A           | PW06A                       |
| 181  | Pasador (4 x 14)              | 1     | H-959-SP0414          | SP0414                      |
| 183  | Resorte                       | 1     | -----                 | TB-183                      |
| 184  | Soporte de Detención          | 1     | -----                 | TB-184                      |
| 185  | Remache Hexagonal (M5 x 10)   | 4     | H-959HBS0510          | HBS0510                     |
| 186  | Resorte                       | 1     | -----                 | TB-186                      |
| 187  | Resorte                       | 1     | -----                 | TB-187                      |
| 189  | Retenedor                     | 1     | H-32-TB189            | TB-189                      |
| 192  | Rodillo                       | 1     | H-959-TB192           | TB-192                      |
| 193  | Guía                          | 1     | H-959-TB193           | TB-193                      |



**MÁQUINA FLEJADORA  
DE POLIPROPILENO****CONTINUACIÓN DE LA LISTA DE PARTES DEL ENSAMBLE DE LA MÁQUINA (B)**

| #   | DESCRIPCIÓN                         | CANT. | NO. DE PARTE DE ULINE | NO. DE PARTE DEL FABRICANTE |
|-----|-------------------------------------|-------|-----------------------|-----------------------------|
| 195 | Tapa de Salida                      | 1     | H-959-195             | TB-195                      |
| 196 | Tornillo de Máquina (M4 x 10)       | 7     | H-959-TB196           | PMS0410                     |
| 197 | Guía del Canal del Fleje (Superior) | 1     | H-959-TB197           | TB-197                      |
| 199 | Perno                               | 1     | H-959-TB199           | TB-199                      |
| 200 | Tope de Anillo (S-10)               | 2     | H-959-SR10            | SR10                        |
| 201 | Guía de Salida                      | 1     | H-959-201             | TB-201                      |
| 203 | Guía                                | 1     | H-959-203             | TB-203                      |
| 204 | Tornillo de Máquina (M4 x 8)        | 10    | H-959FMS0408          | FMS0408                     |
| 205 | Guía                                | 1     | H-959-TB205           | TB-205                      |
| 206 | Tapa                                | 1     | H-959-TB206           | TB-206                      |
| 207 | Guía                                | 2     | H-959-TB207           | TB-207                      |
| 208 | Guía del Canal del Fleje (Inferior) | 1     | H-959-TB208           | TB-208                      |
| 209 | Placa de Ajuste del Ancho del Fleje | 1     | H-959-209             | TB-209                      |
| 210 | Polea                               | 1     | H-959-TB210           | TB-210                      |
| 212 | Tope de Anillo (S-19)               | 1     | -----                 | RR19                        |
| 213 | Remache Hexagonal (M5 x 25)         | 1     | H-959-HB0525          | HBS0525H                    |
| 215 | Collar                              | 1     | -----                 | TB-215                      |
| 216 | Remache Hexagonal (M6 x 80)         | 1     | -----                 | HB0680                      |
| 220 | Tornillo de Máquina (M4 x 12)       | 2     | H-959-M4X12           | PMS0412                     |
| 221 | Tuerca Hexagonal (M5)               | 2     | H-959-HN05            | HN05                        |
| 223 | Rondana                             | 2     | H-959-TB223           | TB-223                      |
| 224 | Retenedor de Resorte                | 2     | -----                 | TB-224                      |
| 225 | Tubo                                | 1     | H-959-TB225           | TB-225                      |
| 231 | Perno                               | 1     | H-959-TB231Q          | TB-231                      |
| 232 | Soporte                             | 1     | H-959-TB232Q          | TB-232                      |
| 234 | Remache Hexagonal (M6 x 75)         | 1     | -----                 | HBS0665H                    |
| 246 | Tope de Anillo                      | 1     | H-959-SR40            | SR-40                       |
| 247 | Remache Hexagonal (M5 x 6)          | 1     | H-959HBS0506          | HBS0506                     |
| 248 | Retenedor de Resorte                | 1     | H-959-TB248           | TB-248                      |
| 249 | Balero, 6005ZZ                      | 1     | H-959-BR6005          | BR6005ZZ                    |
| 250 | Tubo de Retención de Resorte        | 1     | H-959-TB250           | TB-250                      |
| 251 | Tubo de Ajuste de Tensión           | 1     | H-959-TB251           | TB-251                      |
| 254 | Remache Hexagonal (M5 x 12)         | 2     | H-959HBS0512          | HBS0512                     |
| 255 | Brazo de Calibrador de Tensión      | 1     | H-959-TB255           | TB-255                      |
| 256 | Guía de Alimentación                | 1     | H-959-TB256           | TB-256                      |
| 261 | Ensamble del Solenoide (110V)       | 1     | H-959-TF003A          | TF-003A                     |
| 263 | Remache Hexagonal (M5 x 16)         | 1     | H-959-M5X16           | HBS0516                     |
| 265 | Rondana de Presión (M8)             | 1     | H-959-SW08            | SW08                        |
| 266 | Tuerca Hexagonal (M4)               | 7     | H-959-HN04            | HN04                        |

**ULINE H-959**  
**MÁQUINA FLEJADORA**  
**DE POLIPROPILENO**

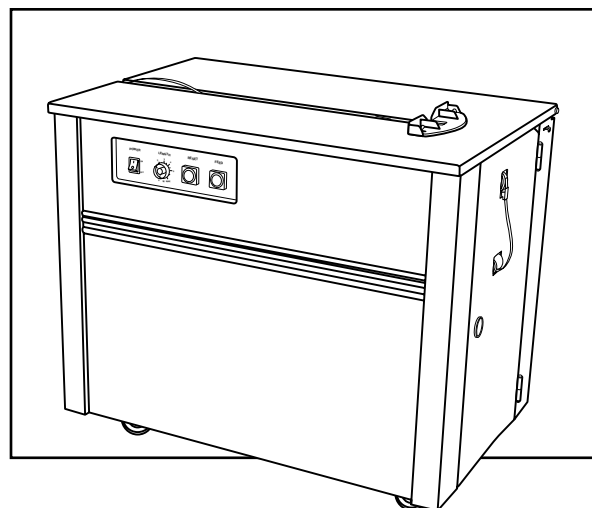
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CONTINUACIÓN DE LA LISTA DE PARTES DEL ENSAMBLE DE LA MÁQUINA (B)

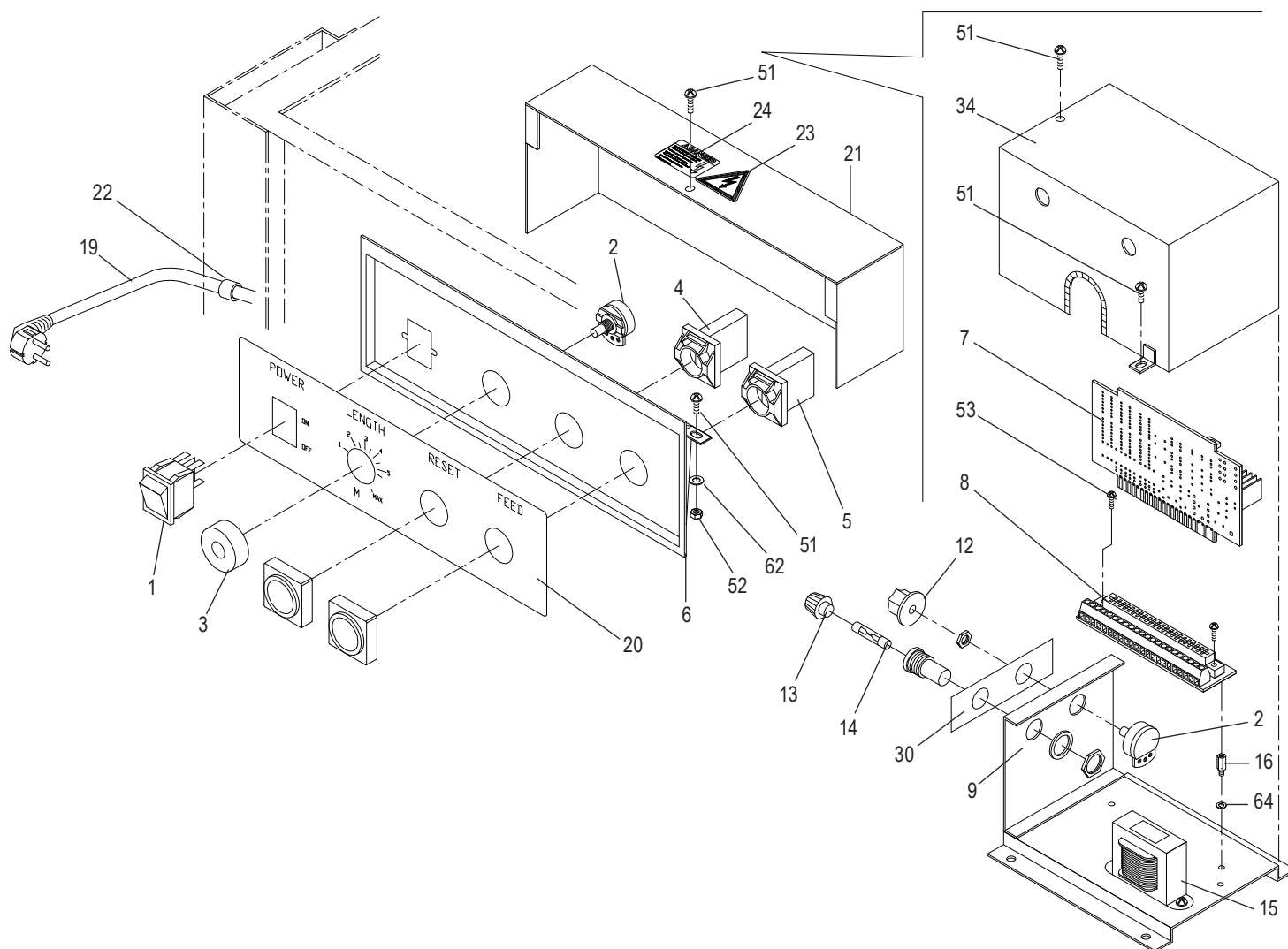
| #   | DESCRIPCIÓN                  | CANT. | NO. DE PARTE DE ULINE | NO. DE PARTE DEL FABRICANTE |
|-----|------------------------------|-------|-----------------------|-----------------------------|
| 267 | Rondana (M4)                 | 3     | H-959-PW04            | PW04                        |
| 268 | Rondana de Presión           | 1     | H-959-SW05            | SW05                        |
| 269 | Rondana de Presión (M6)      | 15    | H-959-SW06            | SW06                        |
| 270 | Rondana (M5)                 | 1     | H-959-PW05            | PW05                        |
| 271 | Rondana de Presión (M3)      | 2     | -----                 | SW03                        |
| 272 | Microswitch (LS-2)           | 1     | H-959-TF007           | TF-007                      |
| 273 | Placa de Nombre (LS-2)       | 1     | H-959-LS2Q            | LA-50081                    |
| 274 | Placa de Nombre (SOL-1)      | 1     | H-959-SOL1Q           | LA-50083                    |
| 275 | Varistor                     | 1     | H-959-TF071           | TF-071                      |
| 276 | Tuerca de Carril (M6)        | 2     | H-959-FLG06           | FLG06                       |
| 279 | Tornillo de Máquina (M4 x 6) | 2     | H-959FMS0406          | FMS0406                     |
| 280 | Eje Solenoide                | 1     | H-959-TA060           | TA-060                      |
| 281 | Sello                        | 1     | H-959-TA086           | TA-086                      |
| 282 | Tope de Anillo (S-12)        | 1     | H-959-TB172           | ER12                        |
| 290 | Tornillo de Máquina          | 1     | -----                 | TMS0412                     |

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**SCHÉMA DU PANNEAU DE COMMANDE ET BOÎTIER DE LA CARTE DE CIRCUITS IMPRIMÉS**



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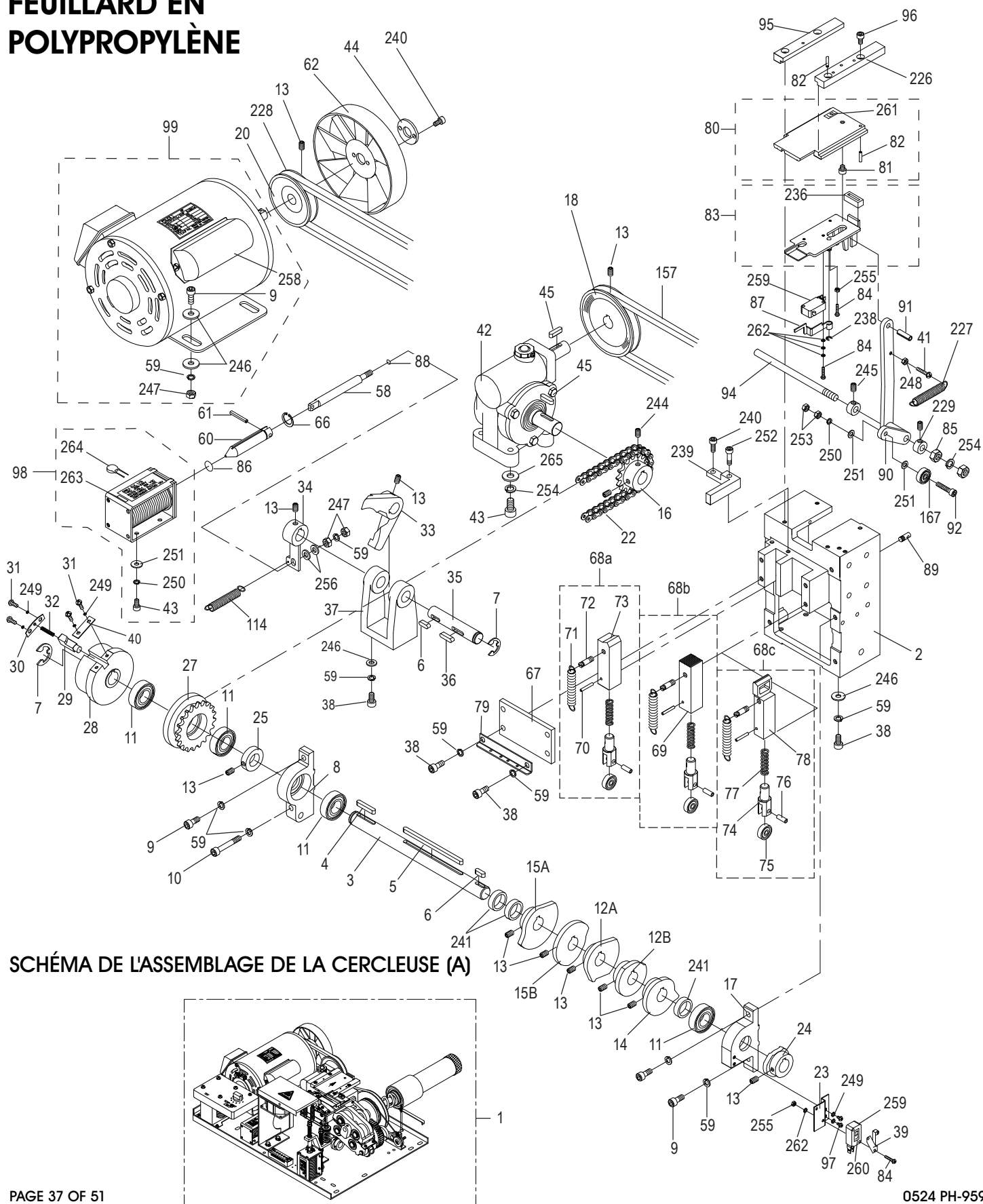
### LISTE DES PIÈCES DU PANNEAU DE COMMANDE

| #  | DESCRIPTION                                               | QTÉ | RÉF. ULINE   | RÉF. DU FABRICANT |
|----|-----------------------------------------------------------|-----|--------------|-------------------|
| 1  | Interrupteur                                              | 1   | H-959-TG001  | TG-001            |
| 2  | Résistance variable pour longueur                         | 2   | H-959-TG002  | TG-002            |
| 3  | Bouton de longueur                                        | 1   | H-959-TG003  | TG-003            |
| 4  | Interrupteur à bouton-poussoir (droit) – Réinitialisation | 1   | H-959-SWITCH | TG-004            |
| 5  | Interrupteur à bouton-poussoir (gauche) – Alimentation    | 1   | H-959-TG005  | TG-005            |
| 6  | Panneau de commande                                       | 1   | -----        | TG-006            |
| 7  | Carte de circuits imprimés                                | 1   | H-959-TG007  | TG-007            |
| 8  | Prise de la carte de circuits imprimés                    | 1   | H-959-TG008  | TG-008            |
| 9  | Base pour boîtier de la carte de circuits imprimés        | 1   | -----        | TG-017            |
| 12 | Bouton pour minuterie du moteur                           | 1   | H-959-KNOB   | TG-012            |
| 13 | Porte-fusible                                             | 1   | H-959-TG013  | TG-013            |
| 14 | Fusible (10 A/110 V c.a.)                                 | 1   | H-959-TG014  | T6-6-30133        |
| 15 | Transformateur (110 V)                                    | 1   | H-959-TG015  | TG-015            |
| 16 | Boulon                                                    | 1   | -----        | TG-016            |
| 19 | Cordon d'alimentation                                     | 1   | H-959-POWER  | TG-019            |
| 20 | Étiquette de commande                                     | 1   | -----        | LA-10018          |
| 21 | Couvercle de l'interrupteur                               | 1   | H-959-TG021  | TG-021            |
| 22 | Passe-fil                                                 | 1   | H-959-TG022  | TG-022            |
| 23 | Étiquette                                                 | 1   | -----        | LA-40001          |
| 24 | Étiquette                                                 | 1   | -----        | LA-40003          |
| 30 | Plaque signalétique                                       | 1   | -----        | LA-20170          |
| 34 | Couvercle                                                 | 1   | -----        | TG-035            |
| 51 | Vis à métaux (M4 x 8)                                     | 6   | H-959-MSCREW | TMS0408           |
| 52 | Écrou hexagonal (M4)                                      | 3   | H-959-HN04   | HN04              |
| 53 | Vis à métaux (M3 X 12)                                    | 2   | H-959-M3X12  | TMS0312           |
| 62 | Rondelle plate (M4)                                       | 2   | H-959-PW04   | PW04              |
| 63 | Vis à métaux (M4 x 8)                                     | 2   | H-959-MSCREW | TMS0408           |
| 64 | Rondelle de blocage 03                                    | 2   | -----        | SW03              |

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**SCHEMA DE L'ASSEMBLAGE DE LA CERCLEUSE (A)**

# ULINE H-959

## CERCLEUSE POUR

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### LISTE DES PIÈCES DE L'ASSEMBLAGE DE LA CERCLEUSE (A)

| #   | DESCRIPTION                                | QTÉ | RÉF. ULINÉ   | RÉF. DU FABRICANT |
|-----|--------------------------------------------|-----|--------------|-------------------|
| 1   | Tête de commande                           | 1   | -----        | TA-901            |
| 2   | Bloc de corps principal                    | 1   | H-959BLOCKQ  | T5-1-10110        |
| 3   | Arbre à came                               | 1   | -----        | TA-003            |
| 4   | Clé (5 x 5 x 30)                           | 1   | -----        | KYA050530         |
| 5   | Clé (5 x 5 x 101)                          | 1   | -----        | KYA0505101        |
| 6   | Clé (5 x 5 x 15)                           | 2   | H-959-KYA05  | KYA050515         |
| 7   | Anneau de retenue (E-12)                   | 2   | H-959-TB172  | ER12              |
| 8   | Chaise de palier (droit)                   | 1   | -----        | TA-008-2          |
| 9   | Boulon hexagonal (M6 x 20)                 | 6   | H-959-HBM6   | HBS0620           |
| 10  | Boulon hexagonal (M6 x 45)                 | 1   | -----        | HBS0645H          |
| 11  | Roulement, 6003ZZ                          | 4   | H-959-6003ZZ | BR6003ZZ          |
| 12A | Came de soutien                            | 1   | H-959-TA12AQ | TA-012A           |
| 12B | Came de soutien                            | 1   | H-959-TA12BQ | TA-012B           |
| 13  | Ensemble de vis à tête hexagonale (M6 x 8) | 13  | H-959-HSS060 | HSS0608G          |
| 14  | Séparateur à came                          | 1   | H-959-TA014  | TA-014            |
| 15A | Came de barre arrière                      | 1   | H-959-TA15AQ | TA-015A           |
| 15B | Came d'élément chauffant                   | 1   | H-959-TA15BQ | TA-015B           |
| 16  | Roue dentée                                | 1   | H-959-TA016  | TA-016            |
| 17  | Chaise de palier (droit)                   | 1   | -----        | TA-017-2          |
| 18  | Poulie                                     | 1   | H-959-TA018  | TA-018            |
| 20  | Poulie                                     | 1   | H-959-TA020  | TA-020            |
| 22  | Chaîne                                     | 1   | H-959-TA022  | TA-022            |
| 23  | Support de microcontact                    | 1   | H-959-TF002  | TF-002            |
| 24  | Came arrière                               | 1   | H-959-TA024  | TA-024            |
| 25  | Collet                                     | 1   | -----        | TA-025            |
| 27  | Roue dentée                                | 1   | H-959-TA027  | TA-027            |
| 28  | Boîtier                                    | 1   | H-959-TA028  | TA-028            |
| 29  | Tige                                       | 1   | H-959-TA029  | TA-029            |
| 30  | Support                                    | 1   | -----        | TA-030            |
| 31  | Vis à métaux (M4 x 8)                      | 6   | H-959PMS0408 | PMS0408           |
| 32  | Ressort                                    | 1   | H-959-32     | TA-032            |
| 33  | Came d'arrêt                               | 1   | H-959-33     | TA-033            |
| 34  | Avertisseur d'embrayage                    | 1   | H-959-TA034  | TA-034            |
| 35  | Arbre                                      | 1   | -----        | TA-035            |
| 36  | Clé (5 x 5 x 20)                           | 1   | H-959-TB138  | KYA050520         |
| 37  | Support d'embrayage                        | 1   | -----        | TA-037            |
| 38  | Boulon hexagonal (M6 x 16)                 | 14  | -----        | HBS0616           |
| 39  | Détente de l'interrupteur                  | 1   | H-959-TF009  | TF-009            |
| 40  | Guide                                      | 1   | -----        | TA-040            |

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### LISTE DES PIÈCES DE L'ENSEMBLE DE LA CERCLEUSE (A) SUITE

| #   | DESCRIPTION                                                                                                                                                                                                                                                                                                                                                                                                                                 | QTE | RÉF. ULINE   | RÉF. DU FABRICANT |
|-----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|--------------|-------------------|
| 41  | Vis à métaux (M4 X 20)                                                                                                                                                                                                                                                                                                                                                                                                                      | 1   | H-959-M4X20  | PMS0420           |
| 42  | Boîte d'engrenages                                                                                                                                                                                                                                                                                                                                                                                                                          | 1   | H-959-TA042  | TA-042            |
| 43  | Boulon hexagonal (M8 x 20)                                                                                                                                                                                                                                                                                                                                                                                                                  | 4   | -----        | HBS0820           |
| 44  | Rondelle                                                                                                                                                                                                                                                                                                                                                                                                                                    | 1   | H-959-TF022  | TF-022            |
| 45  | Clé (5 x 5 x 25)                                                                                                                                                                                                                                                                                                                                                                                                                            | 2   | -----        | KYA050525         |
| 58  | Arbre de tirage                                                                                                                                                                                                                                                                                                                                                                                                                             | 1   | H-959-TA058  | TA-058            |
| 59  | Rondelle de blocage (M6)                                                                                                                                                                                                                                                                                                                                                                                                                    | 19  | H-959-SW06   | SW06              |
| 60  | Arbre de solénoïde                                                                                                                                                                                                                                                                                                                                                                                                                          | 1   | H-959-TA060  | TA-060            |
| 61  | Cheville ressort (4 x 14)                                                                                                                                                                                                                                                                                                                                                                                                                   | 1   | H-959-SP0414 | SP0414            |
| 62  | Ventilateur                                                                                                                                                                                                                                                                                                                                                                                                                                 | 1   | H-959-TF028  | TF-028            |
| 66  | Anneau de retenue (S-12)                                                                                                                                                                                                                                                                                                                                                                                                                    | 1   | H-959-TB172  | ER12              |
| 67  | Couvercle de guide de barre                                                                                                                                                                                                                                                                                                                                                                                                                 | 1   | H-959-TA067  | TA-067            |
| 68A | <b>Assemblage de barre arrière</b><br>Comprend : <ul style="list-style-type: none"> <li>• Cheville ressort n° 70 (3 x 18)</li> <li>• Cheville ressort de rappel n° 71</li> <li>• Crochet de sûreté n° 72</li> <li>• Barre arrière n° 73<br/>(non vendue séparément, pièce d'un ensemble)</li> <li>• Piston plongeur n° 74</li> <li>• Roulement n° 75</li> <li>• Cheville ressort n° 76 (5 x 14)</li> <li>• Ressort n° 77</li> </ul>         | 1   | H-959-13000  | T513000           |
| 68B | <b>Assemblage de barre de pression</b><br>Comprend : <ul style="list-style-type: none"> <li>• Barre de pression n° 69<br/>(non vendue séparément, pièce d'un ensemble)</li> <li>• Cheville ressort n° 70 (3 x 18)</li> <li>• Cheville ressort de rappel n° 71</li> <li>• Crochet de sûreté n° 72</li> <li>• Piston plongeur n° 74</li> <li>• Roulement n° 75</li> <li>• Cheville ressort n° 76 (5 x 14)</li> <li>• Ressort n° 77</li> </ul> | 1   | H-959-14000  | T514000           |
| 68C | <b>Assemblage de barre avant</b><br>Comprend : <ul style="list-style-type: none"> <li>• Cheville ressort n° 70 (3 x 18)</li> <li>• Cheville ressort de rappel n° 71</li> <li>• Crochet de sûreté n° 72</li> <li>• Piston plongeur n° 74</li> <li>• Roulement n° 75</li> <li>• Cheville ressort n° 76 (5 x 14)</li> <li>• Ressort n° 77</li> <li>• Barre avant n° 78<br/>(non vendue séparément, pièce d'un ensemble)</li> </ul>             | 1   | H-959-15000  | T515000           |
| 69  | Barre de pression<br>(non vendue séparément, pièce d'un ensemble)                                                                                                                                                                                                                                                                                                                                                                           | 1   | -----        | -----             |
| 70  | Cheville ressort (3 x 18)                                                                                                                                                                                                                                                                                                                                                                                                                   | 3   | -----        | -----             |
| 71  | Cheville ressort de rappel                                                                                                                                                                                                                                                                                                                                                                                                                  | 3   | H-959-TA071  | TA-071            |

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### LISTE DES PIÈCES DE L'ENSEMBLE DE LA CERCLEUSE (A) SUITE

| #   | DESCRIPTION                                                                                                                                                                                                                                  | QTÉ | RÉF. ULINE   | RÉF. DU FABRICANT |
|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|--------------|-------------------|
| 72  | Crochet de sûreté                                                                                                                                                                                                                            | 3   | -----        | -----             |
| 73  | Barre arrière (non vendue séparément, pièce d'un ensemble)                                                                                                                                                                                   | 1   | -----        | -----             |
| 74  | Piston plongeur                                                                                                                                                                                                                              | 3   | -----        | -----             |
| 75  | Roulement                                                                                                                                                                                                                                    | 4   | -----        | -----             |
| 76  | Cheville ressort (5 x 14)                                                                                                                                                                                                                    | 3   | -----        | -----             |
| 77  | Ressort                                                                                                                                                                                                                                      | 3   | -----        | -----             |
| 78  | Barre avant (non vendue séparément, pièce d'un ensemble)                                                                                                                                                                                     | 1   |              |                   |
| 79  | Support de crochet de sûreté                                                                                                                                                                                                                 | 1   | H-959TA072Q  | TA-072            |
| 80  | <b>Assemblage de plaque de glissement LS1</b><br>Comprend :<br>• Boulon hexagonal n° 81 (M5 x 5,2)<br>• Cheville ressort n° 82 (3 x 14)<br>• Plaque signalétique n° 261 (LS-1)                                                               | 1   | H-959-SLIDE  | TA-080A           |
| 81  | Boulon hexagonal (M5 x 5,2)                                                                                                                                                                                                                  | 1   | H-959-TA081  | HBS0505.2         |
| 82  | Cheville ressort (3 x 14)                                                                                                                                                                                                                    | 3   | H-959-SP0314 | SP0314            |
| 83  | <b>Ensemble du séparateur</b><br>Comprend :<br>• Assemblage du tampon en caoutchouc n° 236                                                                                                                                                   | 3   | H-959-TA083  | TA-083A           |
| 84  | Vis à métaux (M3 X 15)                                                                                                                                                                                                                       | 5   | H-959-0315   | PMS0315           |
| 85  | Écrou hexagonal (M8)                                                                                                                                                                                                                         | 2   | H-959-HN08   | HN08              |
| 86  | Joint (grand)                                                                                                                                                                                                                                | 1   | H-959-TA086  | TA-086            |
| 87  | Levier d'interrupteur                                                                                                                                                                                                                        | 1   | H-959-TA087  | TA-087            |
| 88  | Joint (petit)                                                                                                                                                                                                                                | 1   | H-959-88Q    | TA-088            |
| 89  | Crochet de sûreté                                                                                                                                                                                                                            | 1   | H-959-TA089  | TA-089            |
| 90  | Bras                                                                                                                                                                                                                                         | 1   | H-959-TA090  | TA-090            |
| 91  | Cheville ressort (6 x 20)                                                                                                                                                                                                                    | 1   | H-959-SP0620 | SP0620            |
| 92  | Boulon hexagonal (M5 x 25)                                                                                                                                                                                                                   | 1   | H-959-HB0525 | HBS0525           |
| 94  | Arbre                                                                                                                                                                                                                                        | 1   | H-959-TA094  | TA-094            |
| 95  | Guide (gauche)                                                                                                                                                                                                                               | 1   | H-32-TA095   | TA-095            |
| 96  | Boulon hexagonal (M5 x 12)                                                                                                                                                                                                                   | 4   | H-959HBS0512 | HBS0512           |
| 97  | Vis à métaux (M4 x 8)                                                                                                                                                                                                                        | 2   | H-959PMS0408 | PMS0408           |
| 98  | Ensemble solénoïde (110 V)                                                                                                                                                                                                                   | 1   | H-959-TF003A | TF-003A           |
| 99  | <b>Ensemble moteur (110 V)</b><br>Comprend :<br>• Boulon hexagonal n° 9 (M6 x 20)<br>• Rondelle de blocage n° 59 (M6)<br>• Rondelle plate n° 246 (M6, ensemble de 50)<br>• Écrou hexagonal n° 247 (M6)<br>• Condensateur de démarrage n° 258 | 1   | H-959-TF001  | TF-001            |
| 114 | Ressort                                                                                                                                                                                                                                      | 1   | H-32-TA114   | TA-114            |
| 157 | Courroie en V (K-21)                                                                                                                                                                                                                         | 1   | H-959-TB157  | TB-157            |
| 226 | Guide (droit)                                                                                                                                                                                                                                | 1   | H-32-TA226   | TA-226            |
| 227 | Ressort de rappel                                                                                                                                                                                                                            | 1   | H-959-TB114  | TB-114            |



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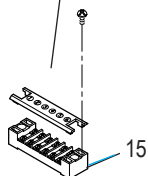
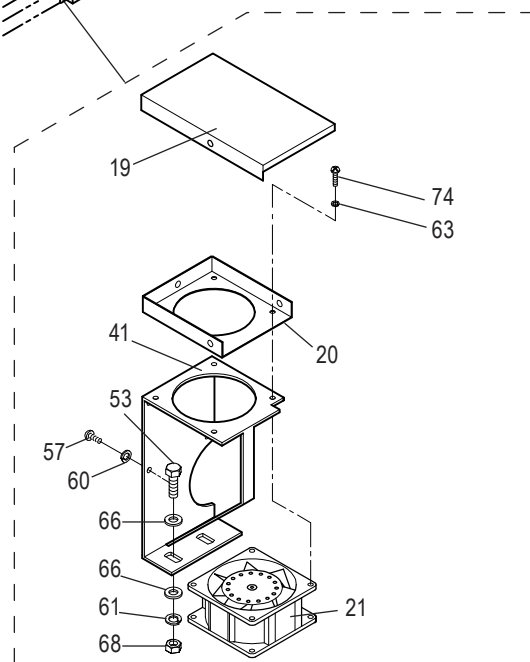
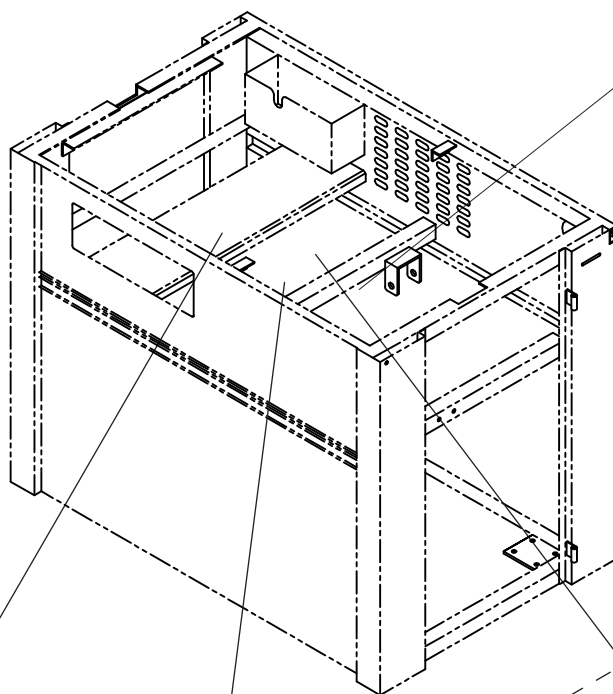
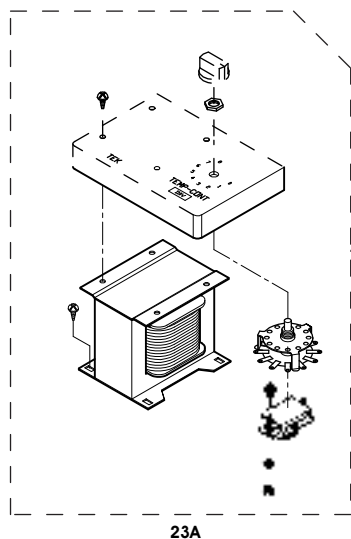
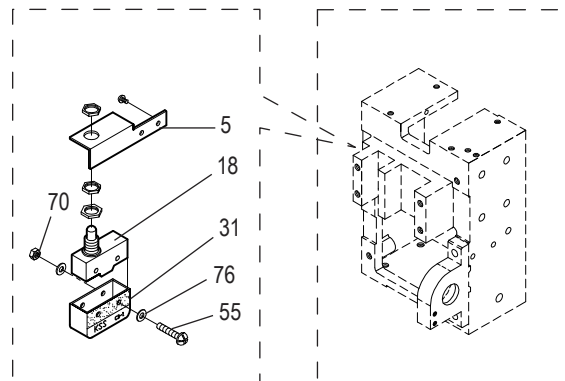
### LISTE DES PIÈCES DE L'ENSEMBLE DE LA CERCLEUSE (A) SUITE

| #   | DESCRIPTION                                | QTÉ | RÉF. ULINÉ   | RÉF. DU FABRICANT |
|-----|--------------------------------------------|-----|--------------|-------------------|
| 228 | Courroie en V (K-21)                       | 2   | H-959-TA228  | TA-228            |
| 229 | Collet                                     | 1   | H-959-TA229  | TA-229            |
| 236 | Assemblage du tampon en caoutchouc         | 1   | H-959-TA236  | TA-236            |
| 238 | Anneau de retenue (E-3)                    | 1   | H-959-TA238  | TA-238            |
| 239 | Support d'outil de coupe                   | 1   | H-959-TA239  | TA-239            |
| 240 | Boulon hexagonal (M5 x 16)                 | 4   | H-959-M5X16  | HBS0516           |
| 241 | Entretoise                                 | 3   | -----        | TA-241            |
| 244 | Ensemble de vis à tête hexagonale (M5 x 6) | 2   | H-959HBS0506 | HBS0506           |
| 245 | Ensemble de vis à tête hexagonale (M6 x 6) | 2   | H-959-M6X6   | HSS0606G          |
| 246 | Rondelle plate (M6, ensemble de 50)        | 18  | H-959-PW06   | PW06C             |
| 247 | Écrou hexagonal (M6)                       | 6   | H-959-HN06   | HN06              |
| 248 | Écrou hexagonal (M4)                       | 1   | H-959-HN04   | HN04              |
| 249 | Rondelle de blocage (M4)                   | 4   | H-959-SW04   | SW04              |
| 250 | Rondelle de blocage (M5)                   | 5   | H-959-SW05   | SW05              |
| 251 | Rondelle plate (M5)                        | 2   | H-959-PW05   | PW05              |
| 252 | Boulon hexagonal (M5 x 25)                 | 1   | H-959-HB0525 | HBS0525H          |
| 253 | Écrou hexagonal (M5)                       | 2   | H-959-HN05   | HN05              |
| 254 | Rondelle de blocage (M8)                   | 5   | H-959-SW08   | SW08              |
| 255 | Écrou hexagonal (M3)                       | 1   | -----        | HN03              |
| 256 | Rondelle plate (M6)                        | 2   | H-959-PW06A  | PW06A             |
| 258 | Condensateur de démarrage                  | 1   | H-959-TF046  | TF-046            |
| 259 | Microcontact (LS-1, LS-3)                  | 2   | H-959-TF006  | TF-006            |
| 260 | Plaque signalétique (LS-3)                 | 1   | -----        | LA-50082          |
| 261 | Plaque signalétique (LS-1)                 | 1   | H-959LA50080 | LA-50080          |
| 262 | Rondelle de blocage (M3)                   | 3   | -----        | SW03              |
| 263 | Plaque signalétique (SOL-2)                | 1   | H-959SOL2Q   | LA-50084          |
| 264 | Varistance                                 | 1   | H-959-TF071  | TF-071            |
| 265 | Rondelle plate (M8)                        | 4   | -----        | PW08C             |

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**SCHEMA DES PIÈCES ÉLECTRIQUES**



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## LISTE DES PIÈCES ÉLECTRIQUES

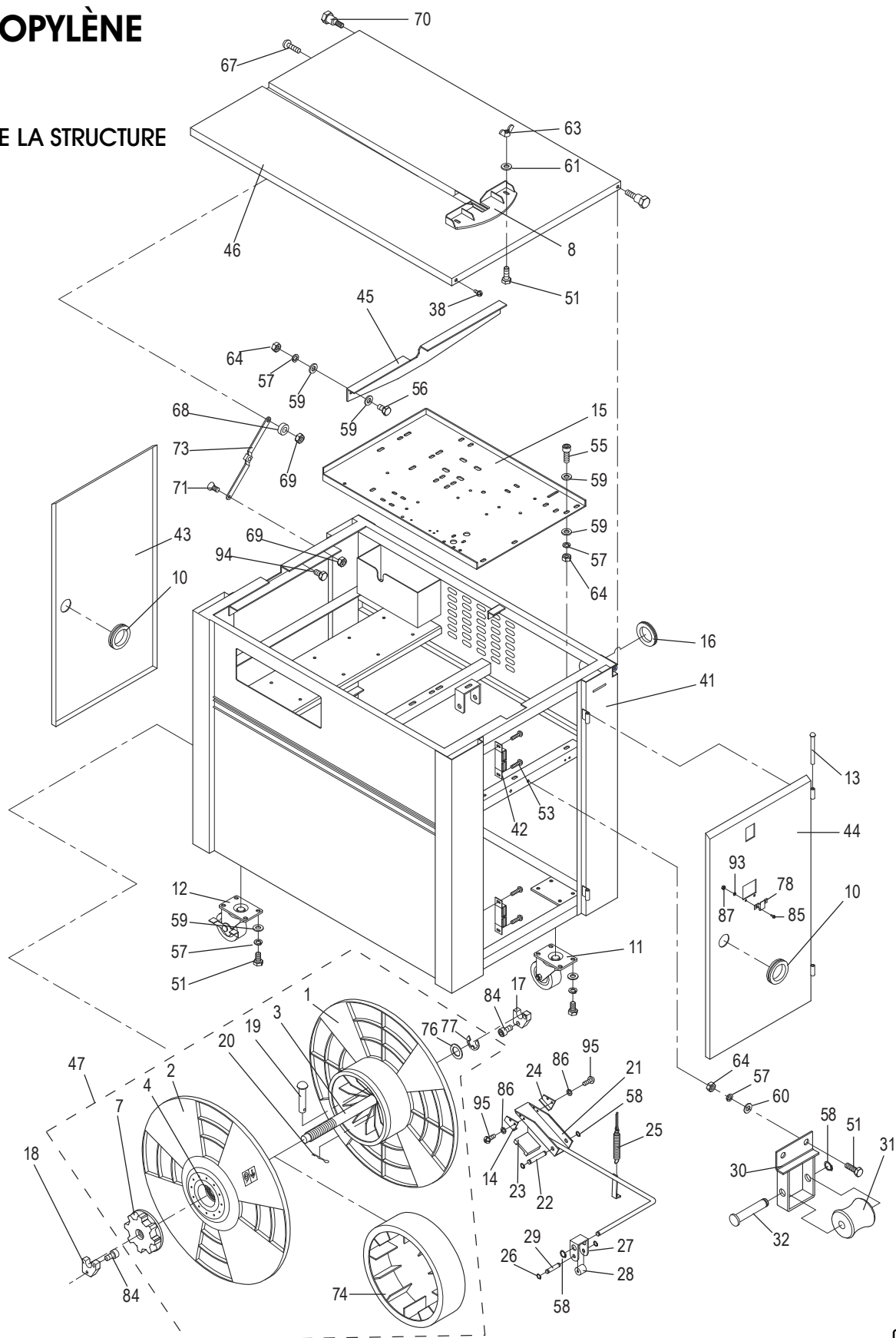
| #   | DESCRIPTION                                               | QTÉ | RÉF. ULINE   | RÉF. DU FABRICANT |
|-----|-----------------------------------------------------------|-----|--------------|-------------------|
| 5   | Plaque d'interrupteur de sécurité                         | 1   | -----        | TF-005            |
| 15  | Support de borne                                          | 1   | H-959-15Q    | TF-015            |
| 18  | Interrupteur de fin de course, sécurité                   | 1   | H-959-TF018  | TF-018            |
| 19  | Plaque adiabatique                                        | 1   | H-959-TF019  | TF-019            |
| 20  | Couvercle de ventilateur                                  | 1   | H-959-FC     | TF-020            |
| 21  | Ventilateur (110 V)                                       | 1   | H-959-TF021  | TF-021            |
| 23A | Assemblage de transformateur et élément chauffant (110 V) | 1   | H-959-TF023A | TF-023A           |
| 31  | Couvercle de l'interrupteur                               | 1   | H-959-TF031  | TF-031            |
| 41  | Support de ventilateur                                    | 1   | -----        | TJ-022            |
| 53  | Boulon hexagonal (M6 x 20)                                | 2   | H-959-HBM6   | HBS0620           |
| 55  | Vis à métaux (M4 X 25)                                    | 2   | H-959-S0425  | PMS0425           |
| 57  | Vis à métaux (M4 X 10)                                    | 8   | H-959-TB196  | PMS0410           |
| 60  | Rondelle de blocage (M4)                                  | 8   | H-959-SW04   | SW04              |
| 61  | Rondelle de blocage (M6)                                  | 2   | H-959-SW06   | SW06              |
| 63  | Rondelle de blocage (M5)                                  | 6   | H-959-SW05   | SW05              |
| 66  | Rondelle plate (M6, ensemble de 50)                       | 4   | H-959-PW06   | PW06C             |
| 68  | Écrou hexagonal (M6)                                      | 2   | H-959-HN06   | HN06              |
| 70  | Écrou hexagonal (M4)                                      | 2   | H-959-TF071  | HN04              |
| 74  | Vis à métaux (M5 x 8)                                     | 2   | -----        | TMS0508           |
| 76  | Rondelle plate (M4)                                       | 4   | H-959-PW04   | PW04              |

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### SCHÉMA DE LA STRUCTURE



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### LISTE DES PIÈCES DE LA STRUCTURE

| #  | DESCRIPTION                   | QTÉ | RÉF. ULINE   | RÉF. DU FABRICANT |
|----|-------------------------------|-----|--------------|-------------------|
| 1  | Bride intérieure              | 1   | H-959-TE001  | TE-001            |
| 2  | Bride extérieure              | 1   | H-959-TC014  | TC-014            |
| 3  | Arbre                         | 1   | H-959-TE003  | TE-003            |
| 4  | Protecteur                    | 1   | H-959-TC015  | TC-015            |
| 7  | Poignée à écrou pour bobine   | 1   | H-959-TC016  | TC-016            |
| 8  | Guide d'emballage             | 1   | H-959-TC004  | TC-004            |
| 10 | Passe-fil                     | 2   | H-959-TE010  | TE-010            |
| 11 | Roulette                      | 2   | H-959-TE011  | TE-011            |
| 12 | Roulette avec frein           | 2   | H-959-TE012  | TE-012            |
| 13 | Goupille d'arrêt              | 4   | H-959-LPIN   | TE-013            |
| 14 | Support de frein (droit)      | 1   | H-959-TE014  | TE-014            |
| 15 | Support                       | 1   | -----        | TC-002            |
| 16 | Passe-fil                     | 1   | H-959TC-008  | TC-008            |
| 17 | Douille (gauche)              | 1   | H-959-TE017  | TE-017            |
| 18 | Douille (droite)              | 1   | H-959-TE018  | TE-018            |
| 19 | Tige                          | 1   | H-959-TC020  | TC-020            |
| 20 | Goupille fendue               | 1   | H-959-TC021  | TC-021            |
| 21 | Ensemble de frein             | 1   | H-959-TE021  | TE-021            |
| 22 | Tige                          | 1   | -----        | TE-022            |
| 23 | Tampon de frein en caoutchouc | 1   | H-959-TE023  | TE-023            |
| 24 | Support de frein (gauche)     | 1   | H-959-TE024  | TE-024            |
| 25 | Ressort                       | 1   | H-959-TE025  | TE-025            |
| 26 | Anneau de retenue             | 2   | H-959-SNAP   | ER04              |
| 27 | Support de rouleau            | 1   | H-959-TE027  | TE-027            |
| 28 | Rouleau                       | 1   | H-959-TE028  | TE-028            |
| 29 | Tige                          | 1   | H-959-TE029  | TE-029            |
| 30 | Support de guide de ruban     | 1   | H-959-TE030  | TE-030            |
| 31 | Rouleau                       | 1   | H-959-TC049  | TC-049            |
| 32 | Arbre                         | 1   | H-959-TC048  | TC-048            |
| 41 | Cadre                         | 1   | -----        | TE-041            |
| 42 | Loqueteau à aimant            | 4   | H-959-TE042  | TE-042            |
| 43 | Porte gauche                  | 1   | H-959-LDOOR  | TE-043            |
| 44 | Porte droite                  | 1   | H-959-RDOOR  | TE-044            |
| 45 | Support                       | 1   | -----        | TE-045            |
| 46 | Plaque supérieure             | 1   | H-959-TC043  | TC-043            |
| 47 | Ensemble du bobine            | 1   | H-959-TE001A | TE-001A           |
| 51 | Boulon hexagonal (M6 x 12)    | 12  | H-959-HB0612 | HB0612            |
| 53 | Vis à métaux (M3 x 5)         | 8   | H-959-0305Q  | TMS0305           |

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### LISTE DES PIÈCES DE LA STRUCTURE

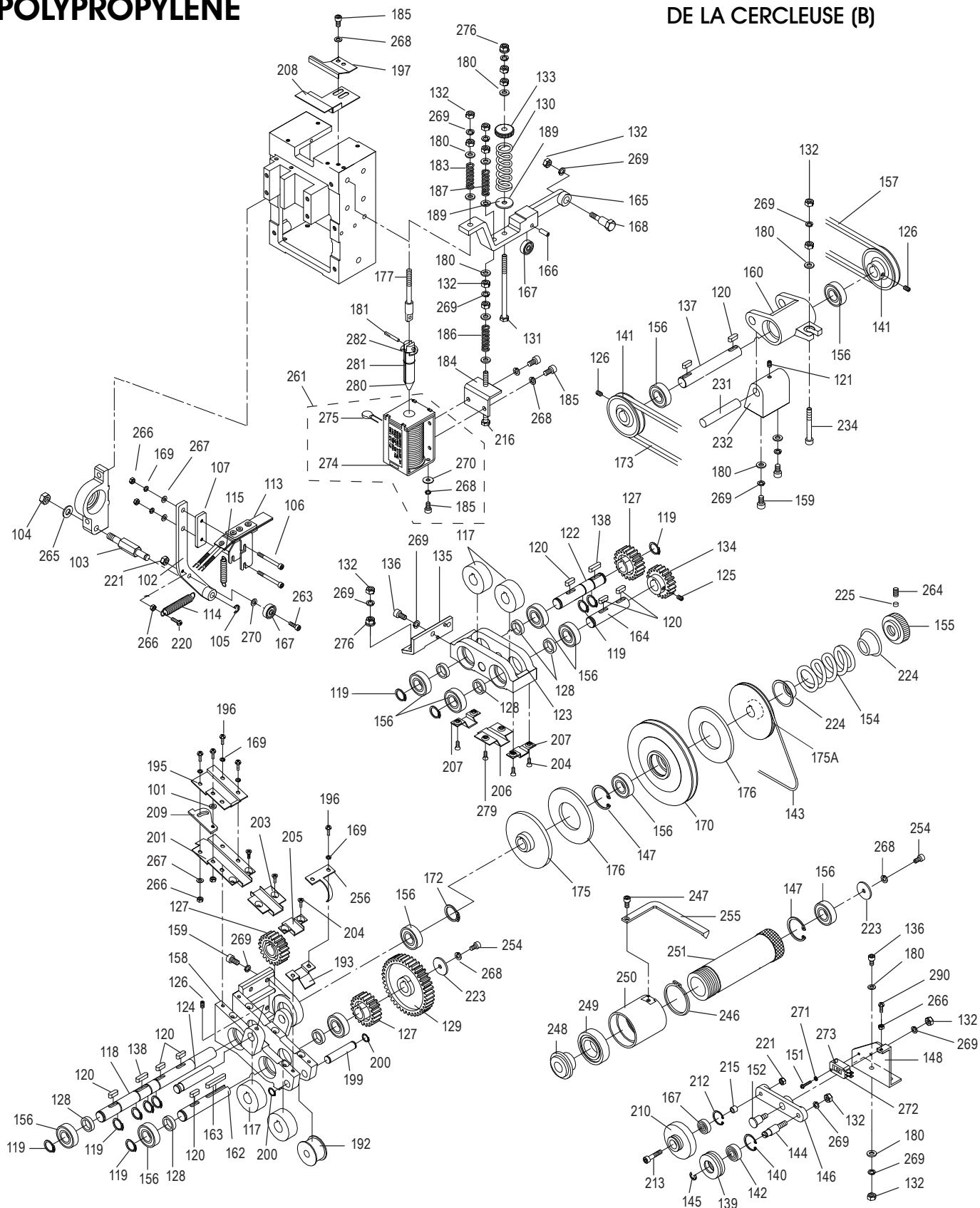
| #  | DESCRIPTION                                         | QTÉ | RÉF. ULINE   | RÉF. DU FABRICANT |
|----|-----------------------------------------------------|-----|--------------|-------------------|
| 55 | Boulon hexagonal (M6 x 20)                          | 14  | H-959-HBM6   | HBS0620           |
| 56 | Vis à métaux (M6 X 20)                              | 2   | -----        | HB0620            |
| 57 | Rondelle de blocage (M6)                            | 20  | H-959-SW06   | SW06              |
| 58 | Anneau de retenue (S-10)                            | 5   | H-959-SR10   | SR10              |
| 59 | Rondelle plate – C (M6, ensemble de 50)             | 50  | H-959-PW06   | PW06C             |
| 60 | Rondelle plate A                                    | 2   | H-959-PW06A  | PW06A             |
| 61 | Rondelle plate B                                    | 2   | H-959-PW06BQ | PW06B             |
| 63 | Écrou à oreilles (M6)                               | 2   | H-959-WN06A  | WN06              |
| 64 | Écrou hexagonal (M6)                                | 8   | H-959-HN06   | HN06              |
| 65 | Plaque d'interrupteur de sécurité                   | 2   | -----        | TE-065            |
| 67 | Vis à métaux (M6 X 12)                              | 1   | H-959-0612Q  | TMS0612           |
| 68 | Collet                                              | 1   | H-959-TC068  | TC-068            |
| 69 | Écrou freiné (M6)                                   | 2   | H-959-NTE06Q | NTE06             |
| 70 | Arbre                                               | 2   | H-959-TC070  | TC-070            |
| 71 | Vis à métaux (M6 X 12)                              | 1   | H-959-FMS612 | FMS0612           |
| 73 | Charnière                                           | 1   | H-959-HINGE  | T5-2-10170        |
| 74 | Tambour central (230 mm)                            | 1   | H-959-TC074  | TC-074            |
| 75 | Tambour central (280 mm) (facultatif, non illustré) | 1   | H-959-TC075  | TC-075            |
| 76 | Rondelle                                            | 1   | H-959-TC076  | TC-076            |
| 77 | Anneau de retenue (E-19)                            | 1   | H-959-ER19   | ER19              |
| 78 | Guide                                               | 1   | H-959-TB205  | TB-205            |
| 84 | Boulon hexagonal (M6 x 12)                          | 4   | H-959-HB0612 | HB0612            |
| 85 | Vis à métaux (M4 x 8)                               | 2   | H-959-MSCREW | TMS0408           |
| 86 | Rondelle de blocage (M4)                            | 2   | H-959-SW04   | SW04              |
| 87 | Écrou hexagonal (M4)                                | 6   | H-959-HN04   | HN04              |
| 92 | Vis à métaux (M4 X 25)                              | 4   | H-959-S0425  | PMS0425           |
| 93 | Rondelle plate (M4)                                 | 6   | H-959-PW04   | PW04              |
| 94 | Boulon hexagonal (M6 x 10)                          | 1   | -----        | HB0610            |
| 95 | Vis à métaux (M4 x 8)                               | 2   | H-959PMS0408 | PMS0408           |

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## SCHÉMA DE L'ASSEMBLAGE DE LA CERCLEUSE (B)



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### LISTE DES PIÈCES DE L'ASSEMBLAGE DE LA CERCLEUSE (B)

| #   | DESCRIPTION                                 | QTE | RÉF. ULINE   | RÉF. DU FABRICANT |
|-----|---------------------------------------------|-----|--------------|-------------------|
| 101 | Rondelle plate (M4)                         | 2   | H-959-PW04   | PW04              |
| 102 | Bras d'élément chauffant                    | 1   | H-959-TB102  | TB-102            |
| 103 | Tige                                        | 1   | H-959-TB103  | TB-103            |
| 104 | Écrou hexagonal (M8)                        | 1   | H-959-HN08   | HN08              |
| 105 | Anneau de retenue (E-6)                     | 1   | H-959-ER06   | ER06              |
| 106 | Boulon hexagonal (M4 x 40)                  | 2   | H-959-M4X40  | HBS0440H          |
| 107 | Plaque latérale                             | 1   | H-959-TB107  | TB-107            |
| 113 | Élément chauffant                           | 1   | H-959-TB113  | TB-113            |
| 114 | Ressort de rappel                           | 1   | H-959-TB114  | TB-114            |
| 115 | Ressort                                     | 1   | H-959-TB115  | TB-115            |
| 117 | Rouleau                                     | 4   | H-959-TB117  | TB-117            |
| 118 | Arbre pour réglage de la tension extérieure | 1   | H-959-TB118A | TB-118A           |
| 119 | Anneau de butée (S-15)                      | 9   | H-959-SR15   | SR-15             |
| 120 | Clé (5 x 5 x 15)                            | 9   | H-959-KYA05  | KYA050515         |
| 121 | Ensemble de vis à tête hexagonale (M5 x 6)  | 2   | -----        | HSS0506G          |
| 122 | Arbre                                       | 1   | -----        | TB-122            |
| 123 | Support                                     | 1   | -----        | TB-123            |
| 124 | Tige                                        | 1   | -----        | TB-124            |
| 125 | Ensemble de vis à tête hexagonale (M6 x 6)  | 1   | H-959-M6X6   | HSS0606G          |
| 126 | Ensemble de vis à tête hexagonale (M5 x 8)  | 3   | H-959-M5X8   | HSS0508G          |
| 127 | Engrenage                                   | 3   | H-959-TB127  | TB-127            |
| 128 | Collet                                      | 7   | H-959-TB128  | TB-128            |
| 129 | Engrenage d'alimentation                    | 1   | -----        | TB-129            |
| 130 | Ressort                                     | 1   | H-959-TB130  | TB-130            |
| 131 | Boulon hexagonal (M6 x 100)                 | 1   | H-959HB06100 | HB06100           |
| 132 | Écrou hexagonal (M6)                        | 16  | H-959-HN06   | HN06              |
| 133 | Écrou                                       | 1   | H-959-TB133  | TB-133            |
| 134 | Engrenage                                   | 1   | H-959-TB134  | TB-134            |
| 135 | Bras de support                             | 1   | -----        | TB-135            |
| 136 | Boulon hexagonal (M6 x 16)                  | 4   | -----        | -----             |
| 137 | Arbre                                       | 1   | H-959-TB137  | TB-137            |
| 138 | Clé (5 x 5 x 20)                            | 2   | H-959-TB138  | KYA050520         |
| 139 | Poulie                                      | 1   | H-959-TB139  | TB-139            |
| 140 | Anneau de butée (S-22)                      | 1   | -----        | RR22              |
| 141 | Poulie                                      | 1   | H-959-TB141  | TB-141            |
| 142 | Roulement, 608ZZ                            | 1   | H-959-608ZZ  | BR608ZZ           |
| 143 | Courroie ronde                              | 1   | H-959-TB143  | TB-143            |



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### LISTE DES PIÈCES DE L'ASSEMBLAGE DE LA CERCLEUSE (B) SUITE

| #    | DESCRIPTION                         | QTÉ | RÉF. ULINÉ   | RÉF. DU FABRICANT |
|------|-------------------------------------|-----|--------------|-------------------|
| 144  | Arbre                               | 1   | -----        | TB-144            |
| 145  | Anneau de retenue (E-7)             | 1   | H-959-ER07S  | ER07S             |
| 146  | Bras                                | 1   | -----        | TB-146            |
| 147  | Anneau de retenue (H-32)            | 2   | H-959-RR32   | RR32              |
| 148  | Support                             | 1   | H-959-TB148  | TB-148            |
| 151  | Vis à métaux (M3 X 15)              | 2   | H-959-0315   | PMS0315           |
| 152  | Arbre                               | 1   | H-959-TB152  | TB-152            |
| 154  | Ressort                             | 1   | H-959-TB154  | TB-154            |
| 155  | Écrou                               | 1   | -----        | TB-155            |
| 156  | Roulement, 6002ZZ                   | 12  | H-959-6002ZZ | BR6002ZZ          |
| 157  | Courroie en V (K-21)                | 1   | H-959-TB157  | TB-157            |
| 158  | Support                             | 1   | -----        | TB-158            |
| 159  | Boulon hexagonal (M6 x 20)          | 6   | H-959-HBM6   | HBS0620           |
| 160  | Support                             | 1   | H-959-TB160  | TB-160            |
| 162  | Arbre                               | 1   | -----        | TB-162            |
| 163  | Clé (5 x 5 x 38)                    | 1   | -----        | KYA050538         |
| 164  | Arbre                               | 1   | -----        | TB-164            |
| 165  | Bras de solénoïde                   | 1   | -----        | TB-165            |
| 166  | Cheville ressort (5 x 20)           | 1   | -----        | SP0520            |
| 167  | Roulement, 635ZZ                    | 3   | H-959-TA076  | BR635ZZ           |
| 168  | Goupille de bras                    | 1   | H-959-APIN   | TB-168            |
| 169  | Rondelle de blocage (M4)            | 6   | H-959-SW04   | SW04              |
| 170  | Poulie                              | 1   | H-959-TB170  | TB-170            |
| 172  | Anneau de butée (S-15)              | 1   | H-959-SR15   | SR15              |
| 173  | Courroie en V (K-19)                | 1   | H-959-TB173  | TB-173            |
| 175  | Plaque                              | 1   | H-959-TB175  | TB-175            |
| 175A | Plaque                              | 1   | H-959-TB175A | TB-175A           |
| 176  | Disque de friction                  | 2   | H-959-TB176  | TB-176            |
| 177  | Arbre de tirage                     | 1   | H-959-TB177  | TB-177            |
| 180  | Rondelle plate (M6, ensemble de 50) | 23  | H-959-PW06A  | PW06A             |
| 181  | Cheville ressort (4 x 14)           | 1   | H-959-SP0414 | SP0414            |
| 183  | Ressort                             | 1   | -----        | TB-183            |
| 184  | Support d'arrêt                     | 1   | -----        | TB-184            |
| 185  | Boulon hexagonal (M5 x 10)          | 4   | H-959HBS0510 | HBS0510           |
| 186  | Ressort                             | 1   | -----        | TB-186            |
| 187  | Ressort                             | 1   | -----        | TB-187            |
| 189  | Dispositif de retenue               | 1   | H-32-TB189   | TB-189            |
| 192  | Rouleau                             | 1   | H-959-TB192  | TB-192            |
| 193  | Guide                               | 1   | H-959-TB193  | TB-193            |

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### LISTE DES PIÈCES DE L'ASSEMBLAGE DE LA CERCLEUSE (B) SUITE

| #   | DESCRIPTION                               | QTÉ | RÉF. ULINÉ   | RÉF. DU FABRICANT |
|-----|-------------------------------------------|-----|--------------|-------------------|
| 195 | Couvercle de sortie                       | 1   | H-959-195    | TB-195            |
| 196 | Vis à métaux (M4 X 10)                    | 7   | H-959-TB196  | PMS0410           |
| 197 | Guide d'entrée du feuillard (supérieur)   | 1   | H-959-TB197  | TB-197            |
| 199 | Tige                                      | 1   | H-959-TB199  | TB-199            |
| 200 | Anneau de butée (S-10)                    | 2   | H-959-SR10   | SR10              |
| 201 | Guide de sortie                           | 1   | H-959-201    | TB-201            |
| 203 | Guide                                     | 1   | H-959-203    | TB-203            |
| 204 | Vis à métaux (M4 x 8)                     | 10  | H-959FMS0408 | FMS0408           |
| 205 | Guide                                     | 1   | H-959-TB205  | TB-205            |
| 206 | Couvercle                                 | 1   | H-959-TB206  | TB-206            |
| 207 | Guide                                     | 2   | H-959-TB207  | TB-207            |
| 208 | Guide d'entrée du feuillard (inférieur)   | 1   | H-959-TB208  | TB-208            |
| 209 | Plaque de réglage de largeur du feuillard | 1   | H-959-209    | TB-209            |
| 210 | Poulie                                    | 1   | H-959-TB210  | TB-210            |
| 212 | Anneau de butée (S-19)                    | 1   | -----        | RR19              |
| 213 | Boulon hexagonal (M5 x 25)                | 1   | H-959-HB0525 | HBS0525H          |
| 215 | Collet                                    | 1   | -----        | TB-215            |
| 216 | Boulon hexagonal (M6 x 80)                | 1   | -----        | HBO680            |
| 220 | Vis à métaux (M4 X 12)                    | 2   | H-959-M4X12  | PMS0412           |
| 221 | Écrou hexagonal (M5)                      | 2   | H-959-HN05   | HN05              |
| 223 | Rondelle                                  | 2   | H-959-TB223  | TB-223            |
| 224 | Coupelle d'appui du ressort               | 2   | -----        | TB-224            |
| 225 | Bague                                     | 1   | H-959-TB225  | TB-225            |
| 231 | Tige                                      | 1   | H-959-TB231Q | TB-231            |
| 232 | Support                                   | 1   | H-959-TB232Q | TB-232            |
| 234 | Boulon hexagonal (M6 x 75)                | 1   | -----        | HBS0665H          |
| 246 | Anneau de butée                           | 1   | H-959-SR40   | SR-40             |
| 247 | Boulon hexagonal (M5 x 6)                 | 1   | H-959HBS0506 | HBS0506           |
| 248 | Coupelle d'appui du ressort               | 1   | H-959-TB248  | TB-248            |
| 249 | Roulement, 6005ZZ                         | 1   | H-959-BR6005 | BR6005ZZ          |
| 250 | Tube de retenue de ressort                | 1   | H-959-TB250  | TB-250            |
| 251 | Tube de réglage de tension                | 1   | H-959-TB251  | TB-251            |
| 254 | Boulon hexagonal (M5 x 12)                | 2   | H-959HBS0512 | HBS0512           |
| 255 | Bras de jauge de tension                  | 1   | H-959-TB255  | TB-255            |
| 256 | Guide d'alimentation                      | 1   | H-959-TB256  | TB-256            |
| 261 | Ensemble solénoïde (110 V)                | 1   | H-959-TF003A | TF-003A           |
| 263 | Boulon hexagonal (M5 x 16)                | 1   | H-959-M5X16  | HBS0516           |
| 265 | Rondelle de blocage (M8)                  | 1   | H-959-SW08   | SW08              |
| 266 | Écrou hexagonal (M4)                      | 7   | H-959-HN04   | HN04              |

# ULINE H-959

## CERCLEUSE POUR FEUILLARD EN POLYPROPYLENE

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### LISTE DES PIÈCES DE L'ASSEMBLAGE DE LA CERCLEUSE (B) SUITE

| #   | DESCRIPTION                 | QTÉ | RÉF. ULINÉ   | RÉF. DU FABRICANT |
|-----|-----------------------------|-----|--------------|-------------------|
| 267 | Rondelle plate (M4)         | 3   | H-959-PW04   | PW04              |
| 268 | Rondelle de blocage         | 1   | H-959-SW05   | SW05              |
| 269 | Rondelle de blocage (M6)    | 15  | H-959-SW06   | SW06              |
| 270 | Rondelle plate (M5)         | 1   | H-959-PW05   | PW05              |
| 271 | Rondelle de blocage (M3)    | 2   | -----        | SW03              |
| 272 | Microcontact (LS-2)         | 1   | H-959-TF007  | TF-007            |
| 273 | Plaque signalétique (LS-2)  | 1   | H-959-LS2Q   | LA-50081          |
| 274 | Plaque signalétique (SOL-1) | 1   | H-959-SOL1Q  | LA-50083          |
| 275 | Varistance                  | 1   | H-959-TF071  | TF-071            |
| 276 | Écrou à embase (M6)         | 2   | H-959-FLG06  | FLG06             |
| 279 | Vis à métaux (M4 x 6)       | 2   | H-959FMS0406 | FMS0406           |
| 280 | Arbre de solénoïde          | 1   | H-959-TA060  | TA-060            |
| 281 | Bague d'étanchéité          | 1   | H-959-TA086  | TA-086            |
| 282 | Anneau de butée (S-12)      | 1   | H-959-TB172  | ER12              |
| 290 | Vis à métaux                | 1   | -----        | TMS0412           |