

# SM460 FOUR POST HOIST

## 6 TONNE FOUR POST HOIST

### Spare Parts Manual



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PART OF THE  
STENHØJ GROUP



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Updated 05/12/2025

**Before  
taking into operation  
check system compo-  
nents, control, emer-  
gency stop and safety  
equipment for condi-  
tion, damage and  
correct function!**



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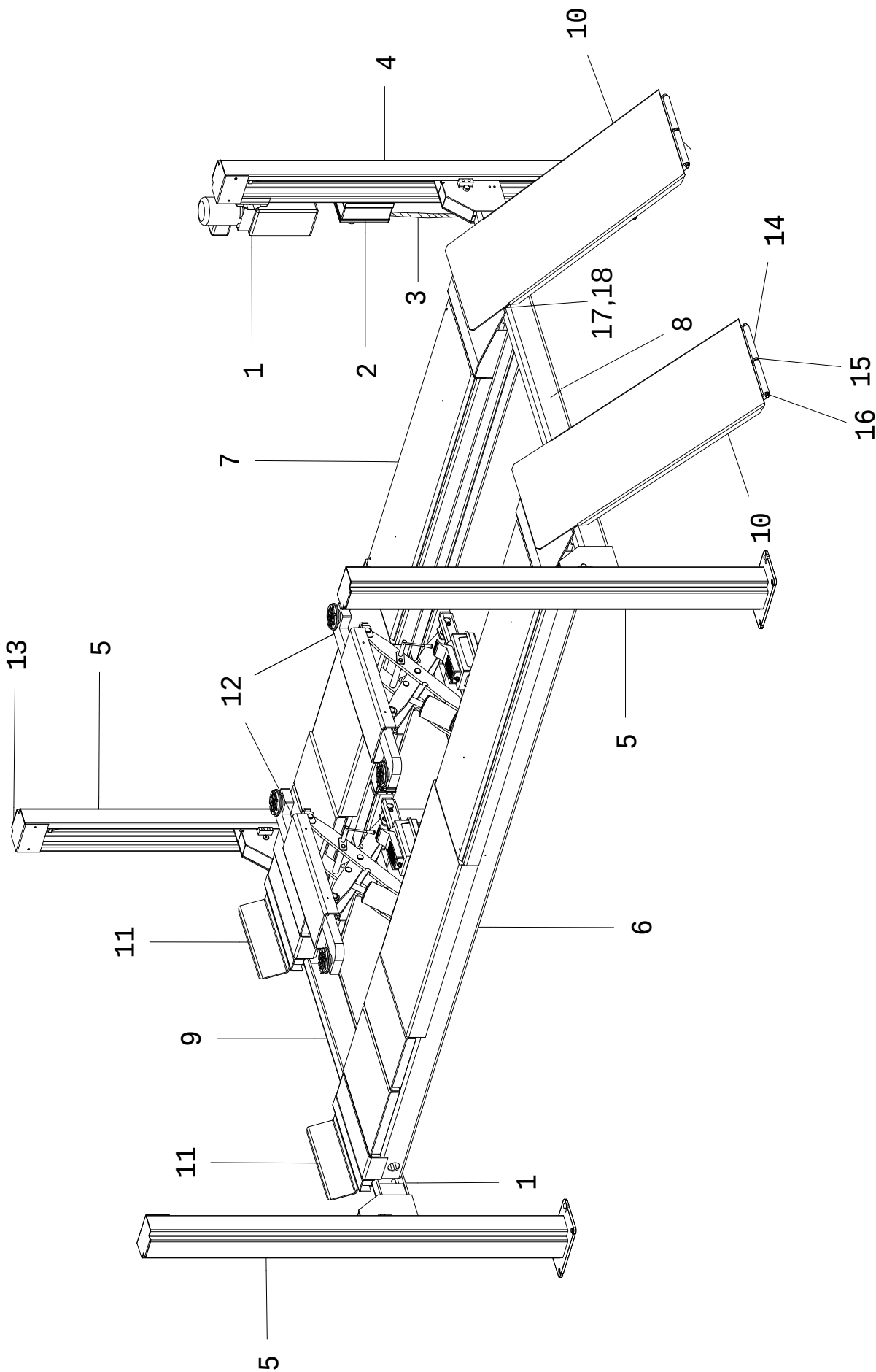
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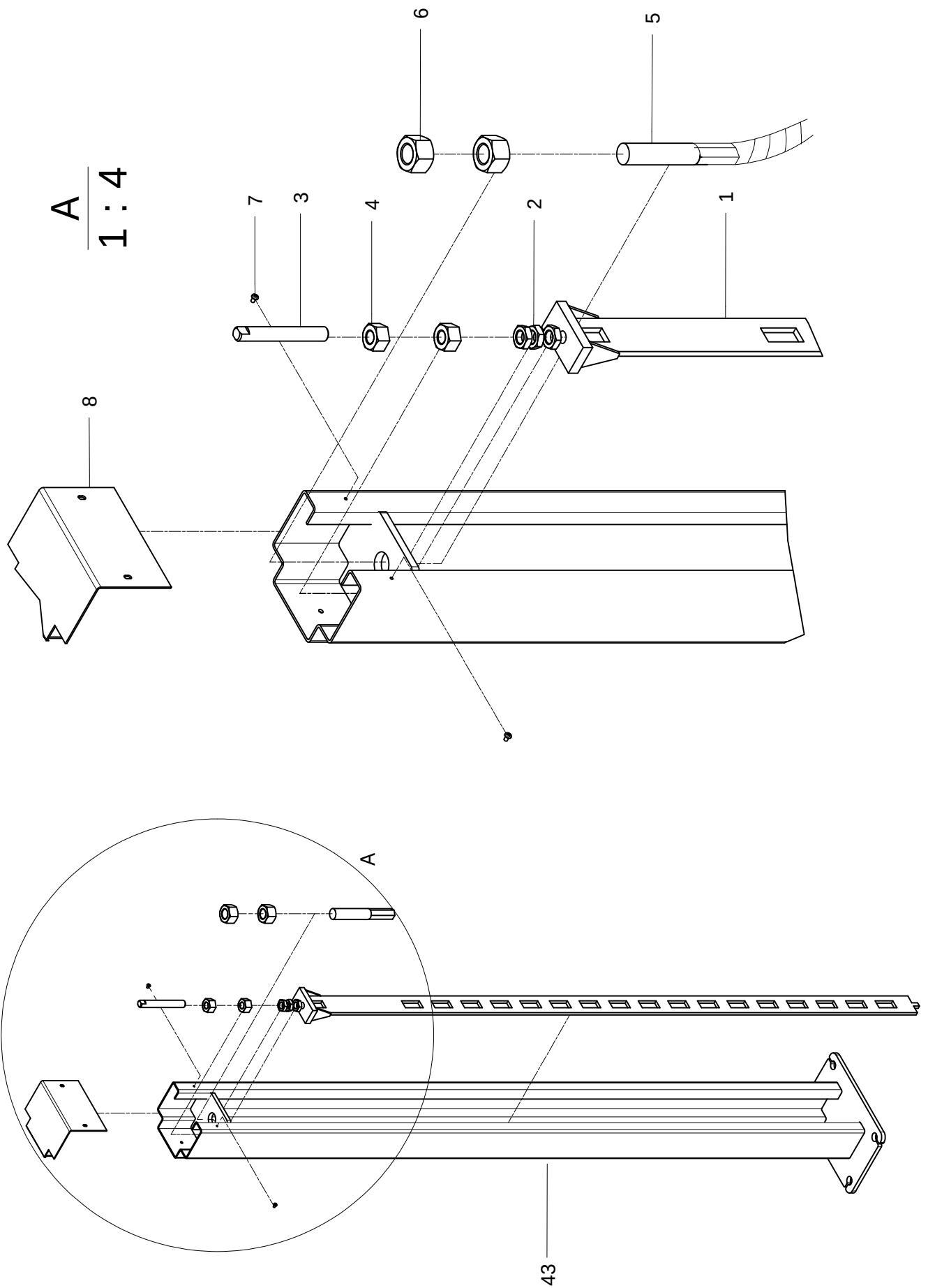
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STRUCTURE

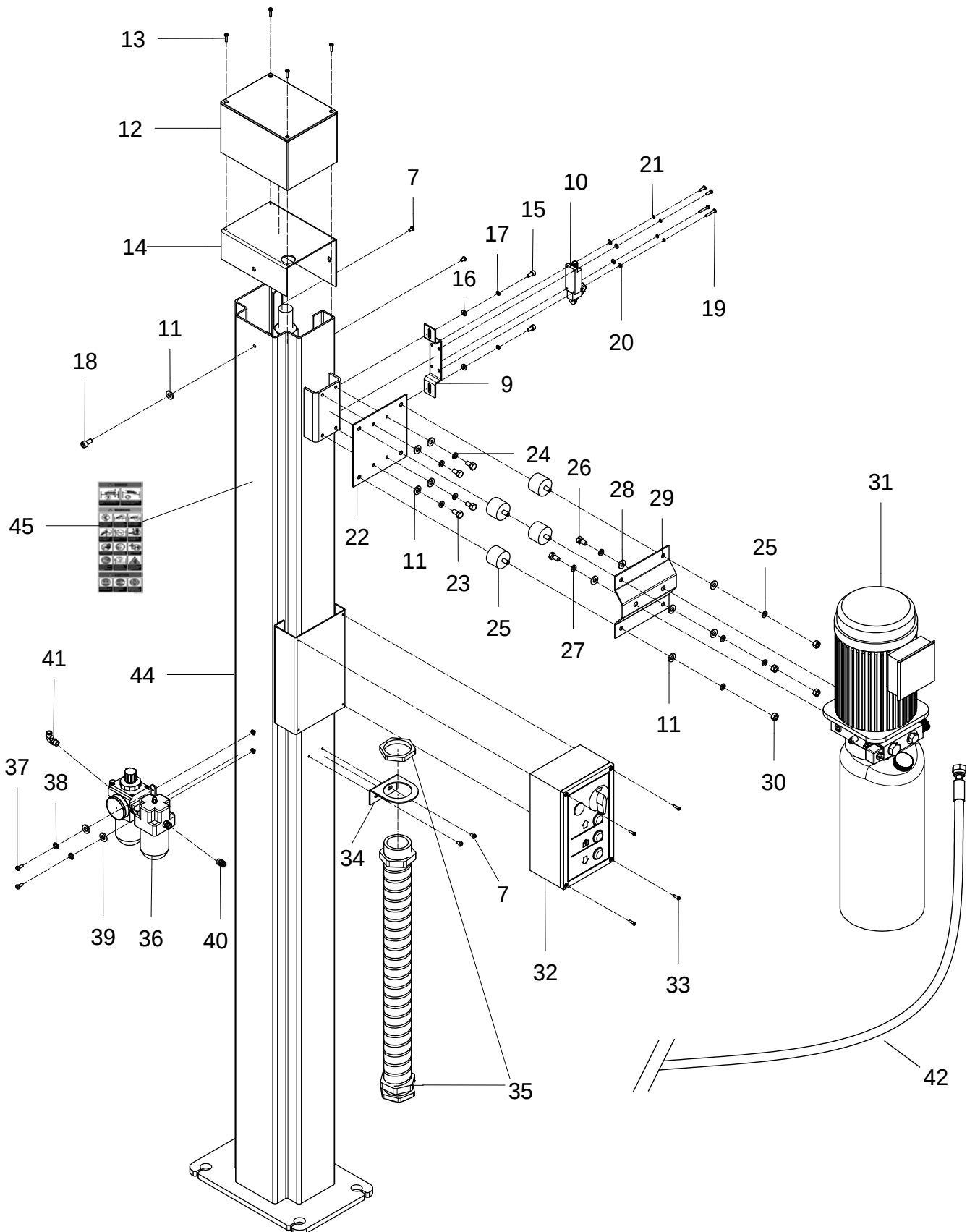


|           |      |                     |                                                               |                                             |
|-----------|------|---------------------|---------------------------------------------------------------|---------------------------------------------|
| SM460     |      | Molnar 4 Post Hoist |                                                               | 05/20                                       |
| STRUCTURE |      |                     |                                                               |                                             |
| ITEM      | QTY. | NO.                 | DESIGNATION                                                   | SPECIFICATIONS                              |
| 1         | 1    | SEE PAGE 13         | Power pack                                                    | S/N JB3D0504 onwards<br>S/N before JB3D0504 |
| 2         | 1    | SEE PAGE 15         | Control Box                                                   |                                             |
| 3         | 1    | SM450-S-3           | Service hose                                                  |                                             |
| 4         | 1    | SM460-S-4           | Control post                                                  |                                             |
| 5         | 3    | SM460-S-5           | Non-control post                                              |                                             |
| 6         | 1    | SM460-S-6           | Slave platform - SM460-S                                      |                                             |
|           |      | SM460-A-6           | Slave platform - SM460-A                                      |                                             |
| 7         | 1    | SM460-S-7           | Drive Platform - SM460-S                                      |                                             |
|           |      | SM460-A-7           | Drive Platform - SM460-A                                      |                                             |
| 8         | 1    | SM460-S-8           | Rear transverse beam                                          |                                             |
| 9         | 1    | SM460-S-9           | Front transverse beam                                         |                                             |
| 10        | 2    | SM450-S-10          | Run-up ramps                                                  |                                             |
| 11        | 2    | SM450-S-11          | Wheel Stops                                                   |                                             |
| 12        | 1    | MICRO 3000-B        | Jacking beam - NEW                                            |                                             |
| 12        | 1    | MICRO 3000          | Jacking beam - OLD                                            |                                             |
| 13        | 4    | SM460-S-13          | Post cover                                                    |                                             |
| 14        | 4    | SM450-S-14          | Run up ramp roller                                            |                                             |
| 15        | 2    | SM460-S-15          | Post base plate - Optional item for installation purpose only |                                             |
| 16        | 2    | SM450-S-16          | Circlip                                                       |                                             |
| 17        | 2    | SM450-S-17          | Run up ramp pin                                               |                                             |
| 18        | 2    | SM450-S-18          | Circlip                                                       |                                             |
| 19        | 2    | SM450-S-15          | Run up ramp roller pin                                        |                                             |

## SLAVE POST

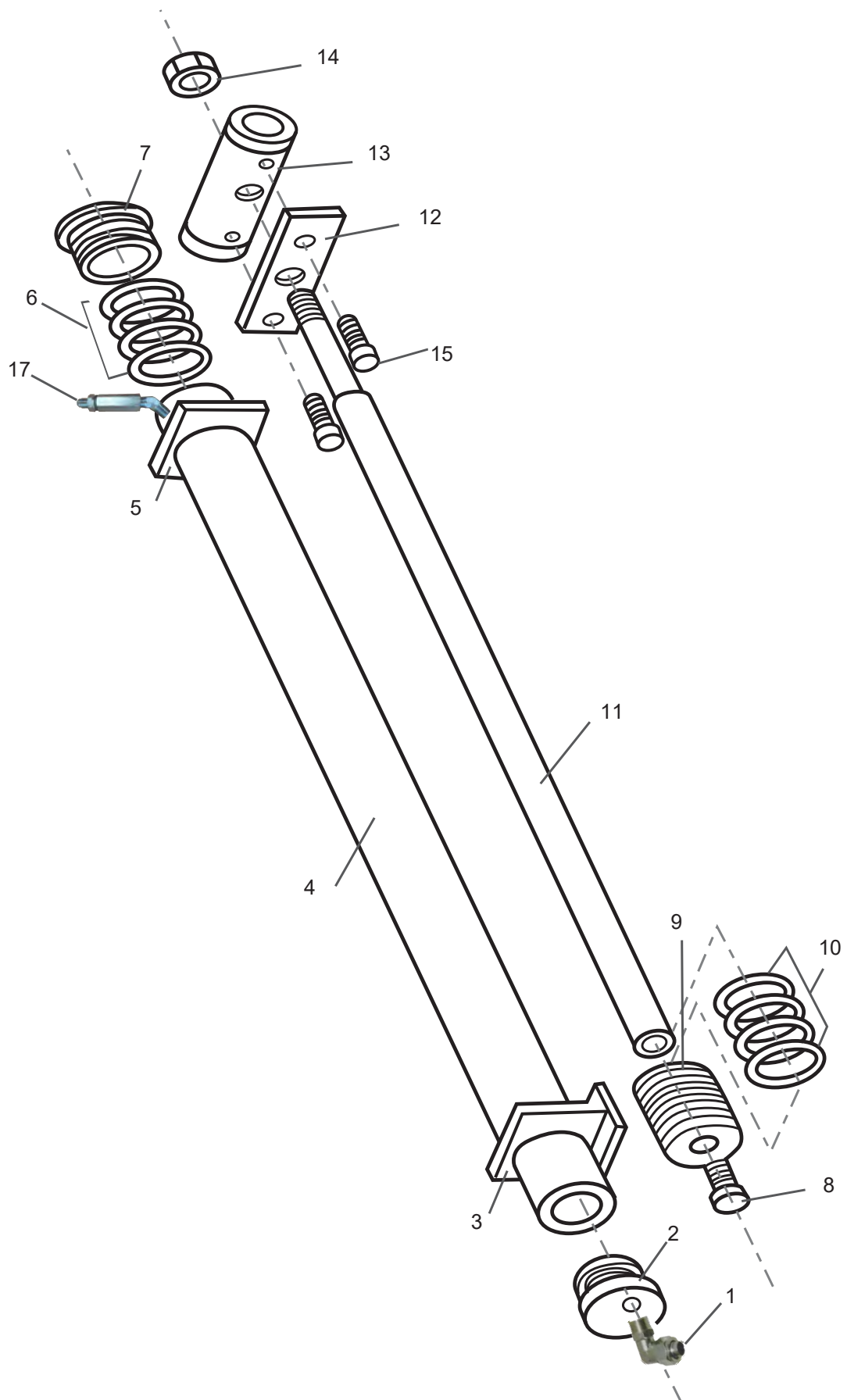


## DRIVE POST



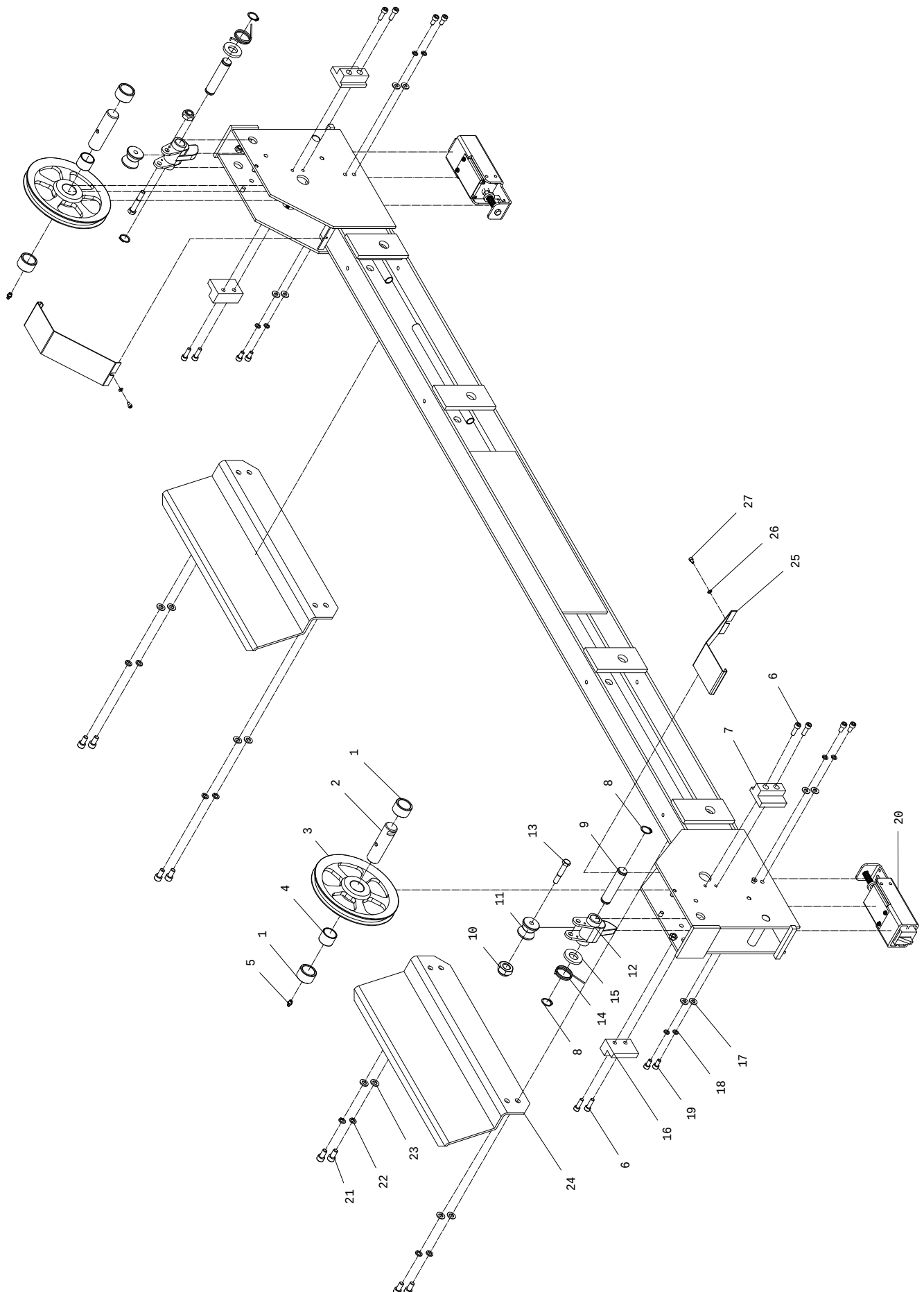
| SM460 |     | Molnar 4 Post Hoist      |                                                                                    | 08/20                                       |
|-------|-----|--------------------------|------------------------------------------------------------------------------------|---------------------------------------------|
| POST  |     |                          |                                                                                    |                                             |
| ITEM  | QTY | N0.                      | DESIGNATION                                                                        | SPECIFICATIONS                              |
| 1     | 4   | SM450-P-1-A<br>SM450-P-1 | Safety Bar (Old version)<br>Safety Bar (New version)                               | S/N before 4P5D0142<br>S/N 4P5D0142 onwards |
| 2     | 12  | SM450-P-2                | Adjusting nut (Thin)                                                               | M20 (S=30,M=10)                             |
| 3     | 4   | SM450-P-3                | Adjusting stud                                                                     |                                             |
| 4     | 8   | SM450-P-4                | Adjusting nut (Thick)                                                              | M20 (S=30,M=18)                             |
| 5     | 2   | SM460-R-10               | Cable                                                                              |                                             |
| 6     | 8   | SM450-R-7                | Cable nut                                                                          |                                             |
| 7     | 8   | SM450-P-5                | Cross head screw                                                                   | M5x8L                                       |
| 8     | 3   | SM460-P-6                | Salve post covers                                                                  |                                             |
| 9     | 1   | SM450-P-7A<br>SM450-P-7  | Mounting bracket for limit switch - NEW<br>Mounting bracket for limit switch - OLD |                                             |
| 10    | 1   | SM450-P-8                | Limit switch                                                                       |                                             |
| 11    | 1   | SM450-P-9                | Plain washer                                                                       | φ8                                          |
| 12    | 1   | SM450-PC-12              | Transformer Housing                                                                | S/N 4P5D0142 onwards                        |
| 13    | 4   | SM450-P-11               | Cross head screw                                                                   | M5                                          |
| 14    | 1   | SM460-P-12               | Drive post cover                                                                   |                                             |
| 15    | 2   | SM450-P-13               | Hex socket head screws                                                             | M6X12                                       |
| 16    | 2   | SM450-P-14               | Plain washer                                                                       | φ6                                          |
| 17    | 2   | SM450-P-15               | Spring washer                                                                      | φ6                                          |
| 18    | 1   | SM450-P-16               | Screw                                                                              | M8x15L                                      |
| 19    | 4   | SM450-P-17               | Cross Head Screw                                                                   | M4×16                                       |
| 20    | 4   | SM450-P-18               | Plain washer                                                                       | φ4                                          |
| 21    | 4   | SM450-P-19               | Spring washer                                                                      | φ4                                          |
| 22    | 1   | SM450-P-20               | Mounting Plate                                                                     | 125X125                                     |
| 23    | 4   | SM450-P-21               | Hex head full thread bolt                                                          | M8X15                                       |
| 24    | 4   | SM450-P-22               | Spring washer                                                                      | φ8                                          |
| 25    | 4   | SM450-P-23               | Anti vibration rubber for powerpack                                                |                                             |
| 26    | 2   | SM450-M-20               | Hex socket head screws                                                             | M10*20                                      |
| 27    | 2   | SM450-P-25               | Spring washer                                                                      | φ10                                         |
| 28    | 2   | SM450-P-26               | Plain washer                                                                       | φ10                                         |
| 29    | 1   | SM450-M-19               | Mounting plate for powerpack                                                       |                                             |
| 30    | 4   | SM450-P-28               | Hex nut                                                                            | M8                                          |
| 31    | 1   | SM460-M-22               | SEE PAGE 14                                                                        |                                             |
| 32    | 1   | SM450-PC-11              | SEE PAGE 16                                                                        |                                             |
| 33    | 4   | SM450-P-31               | Cross head screw                                                                   | M4x10                                       |
| 34    | 1   | SM450-P-32               | Bracket for service hose                                                           |                                             |
| 35    | 1   | SM450-S-3                | Service hose                                                                       | L=1600                                      |
| 36    | 1   | SM450-P-34               | Oil-water Separator                                                                | AL2000-02                                   |
| 37    | 2   | SM450-P-35               | Cross head screw                                                                   | M5x12L                                      |
| 38    | 2   | SM450-P-36               | Spring washer                                                                      | φ5                                          |
| 39    | 2   | SM450-P-37               | Plain washer                                                                       | φ5                                          |
| 40    | 1   | SM450-P-38               | Push-in Fitting                                                                    | PC8-02 1/4-φ8                               |
| 41    | 2   | SM450-P-39               | Push-in Fitting                                                                    | PL8-02 1/4-φ8                               |
| 42    | 1   | SM460-M-21               | Hydraulic hose                                                                     |                                             |
| 43    | 3   | SM460-S-5                | Slave post                                                                         |                                             |
| 44    | 1   | SM460-S-4                | Drive post                                                                         |                                             |
| 45    | 1   | SM450-P-45               | Warning Sticker                                                                    |                                             |

## CYLINDER



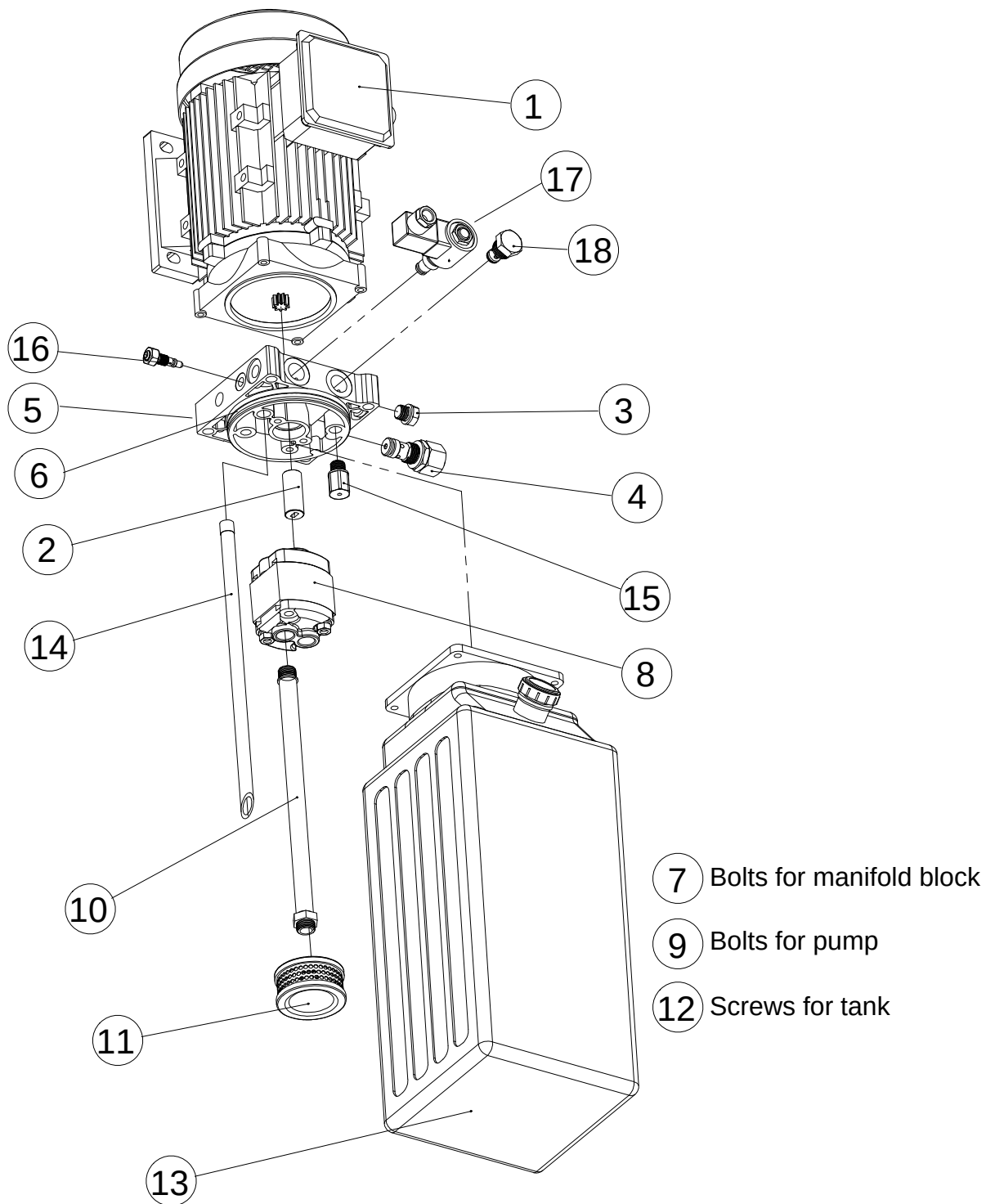
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|----------|------|---------------------|--------------------------------------------------------------------------------|----------------|
| SM460    |      | Molnar 4 Post Hoist |                                                                                | 10/20          |
| CYLINDER |      |                     |                                                                                |                |
| ITEM     | QTY. | NO.                 | DESIGNATION                                                                    | SPECIFICATIONS |
| 1        | 1    | SM450-C-1           | Elbow fitting                                                                  | M27            |
| 2        | 1    | SM460-C-2           | Cylinder tail cover                                                            |                |
| 3        | 1    | SM460-C-3           | Tail bracket                                                                   |                |
| 4        | 1    | SM460-C-4           | Barrel                                                                         |                |
| 5        | 1    | SM460-C-5           | Head bracket                                                                   |                |
| 6        | 1    | SM460-C-6           | Gland seal kit                                                                 |                |
| 7        | 1    | SM460-C-7           | Cylinder gland                                                                 |                |
| 8        | 1    | SM460-C-8           | Bolt                                                                           |                |
| 9        | 1    | SM460-C-9           | Piston                                                                         |                |
| 10       | 1    | SM460-C-10          | Piston seal kit                                                                |                |
| 11       | 1    | SM460-C-11          | Piston rod                                                                     |                |
| 12       | 1    | SM460-C-12          | Cable clamp plate                                                              |                |
| 13       | 1    | SM460-C-13          | Cable clamp yoke                                                               |                |
| 14       | 1    | SM460-C-14          | Nut                                                                            |                |
| 15       | 1    | SM450-C-15          | Bolt                                                                           |                |
| 16       | 1    | SM460-C-16A         | Cylinder complete - OLD (S/N before 4P6D0558, but also includes 4P6D0564-0569) |                |
|          |      | SM460-C-16B         | Cylinder complete - NEW (S/N 4P6D0558 onwards, but except 4P6D0564-0569)       |                |
| 17       | 1    | SM450-C-17          | Cylinder connector                                                             |                |
|          |      | SM460-C-SK          | Cylinder Seal Kit ( S/N before 4P5D1009)                                       |                |
|          |      | SM460-C-SKB         | Cylinder Seal Kit - New Supplier ( S/N 4P5D1009 onwards)                       |                |

## TRANSVERSE BEAM



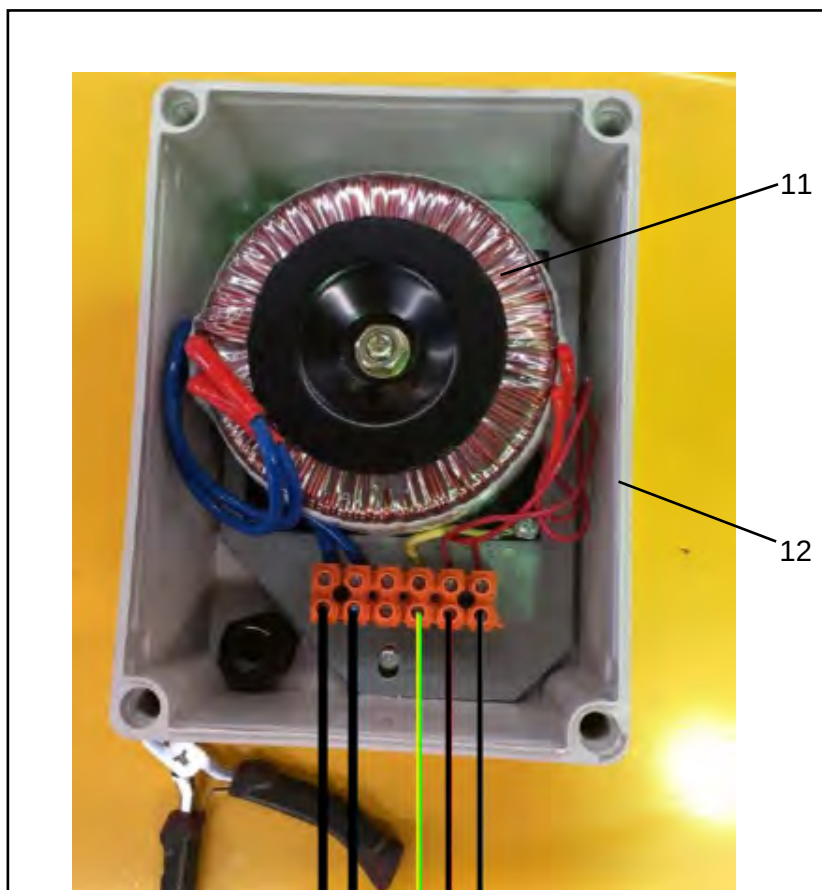
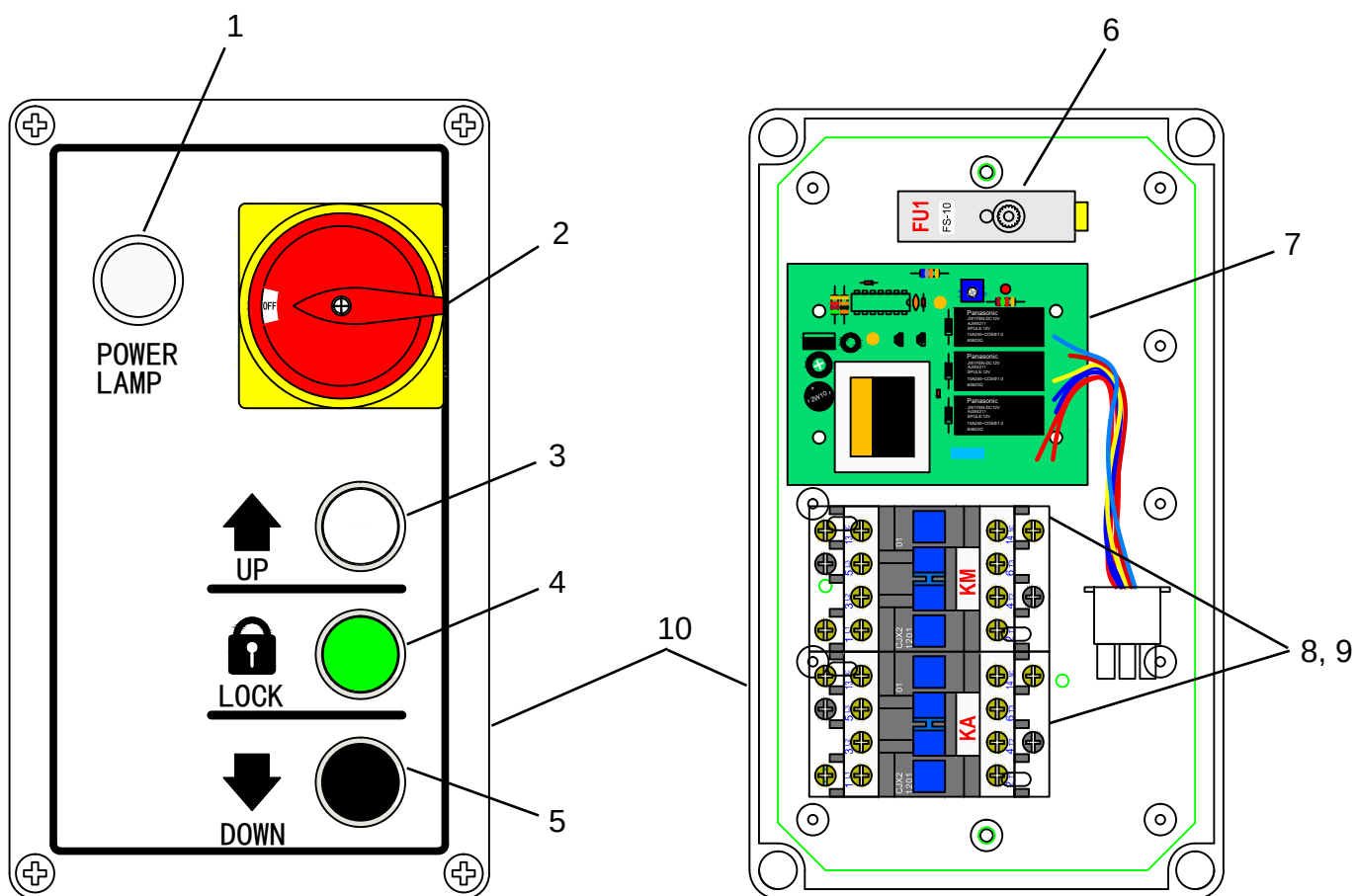
| SM460           |      | Molnar 4 Post Hoist |                                         | 12/20                      |
|-----------------|------|---------------------|-----------------------------------------|----------------------------|
| TRANSVERSE BEAM |      |                     |                                         |                            |
| ITEM            | QTY. | NO.                 | DESIGNATION                             | SPECIFICATIONS             |
| 1               | 8    | SM460-T-1           | Pulley Spacer                           | φ54xφ40.5x21L              |
| 2               | 4    | SM460-T-2           | Pulley Pin - transverse beam            | φ40x115L                   |
| 3               | 4    | SM460-T-3           | Pulley Single Groove                    |                            |
| 4               | 4    | SM460-T-4           | Bush                                    | φ44xφ40x30t                |
| 5               | 4    | SM450-T-5           | Grease Nipple                           | PT1/8XST                   |
| 6               | 8    | SM450-T-6           | Bolt                                    | M8X25                      |
| 7               | 8    | SM450-T-7           | Guide Block/Pin Retainer - Black Colour |                            |
|                 |      | SM450-T-7B          | Guide Block/Pin Retainer - White Colour | 2mm thinner for adjustment |
| 8               | 4    | SM450-T-8           | Circlip                                 | φ20.5x1                    |
| 9               | 4    | SM450-T-9           | Safety Shaft                            | φ22x100L                   |
| 10              | 4    | SM450-T-10          | Nut                                     | M10                        |
| 11              | 4    | SM450-T-11          | Safety Roller                           | φ40x35L                    |
| 12              | 4    | SM450-T-12          | Safety Toggle                           |                            |
| 13              | 4    | SM450-T-13          | Bolt                                    | M10X60                     |
| 14              | 4    | SM450-T-14          | Spring                                  | φ35xφ2.5x47L               |
| 15              | 4    | SM450-T-15          | Washer                                  |                            |
| 16              | 4    | SM450-T-16          | Guide block 2 - Black Colour            |                            |
|                 |      | SM450-T-16B         | Guide Block/Pin Retainer - White Colour | 2mm thinner for adjustment |
| 17              | 16   | SM450-T-17          | Washer                                  | φ16xφ9x1.6                 |
| 18              | 16   | SM450-T-18          | Locking Washer                          | φ8.1x2.1                   |
| 19              | 16   | SM460-T-19          | Bolt                                    | M8x20                      |
| 20              | 4    | SM450-T-20          | Safetv Lock Assembly -24V               | (S/N 4P5D0142 onwards)     |
|                 |      | SM450-T-20HV        | Safety Lock Assembly -220V              | (S/N before 4P5D0142)      |
| 21              | 8    | SM450-T-21          | Hex socket head screw                   | M10x20                     |
| 22              | 8    | SM450-T-22          | spring Washer                           | φ10.2x2.6                  |
| 23              | 8    | SM450-T-23          | Plain Washer                            | φ20xφ11x2                  |
| 24              | 2    | SM450-T-24          | Wheel Stop                              |                            |
| 25              | 4    | SM460-T-25          | Pulley Cover                            |                            |
| 26              | 2    | SM450-T-26          | Plain Washer                            | Φ10xΦ5.3x1                 |
| 27              | 2    | SM450-T-27          | Hex Screw With Flat Round Head          | M5x8L                      |

## POWER PACK



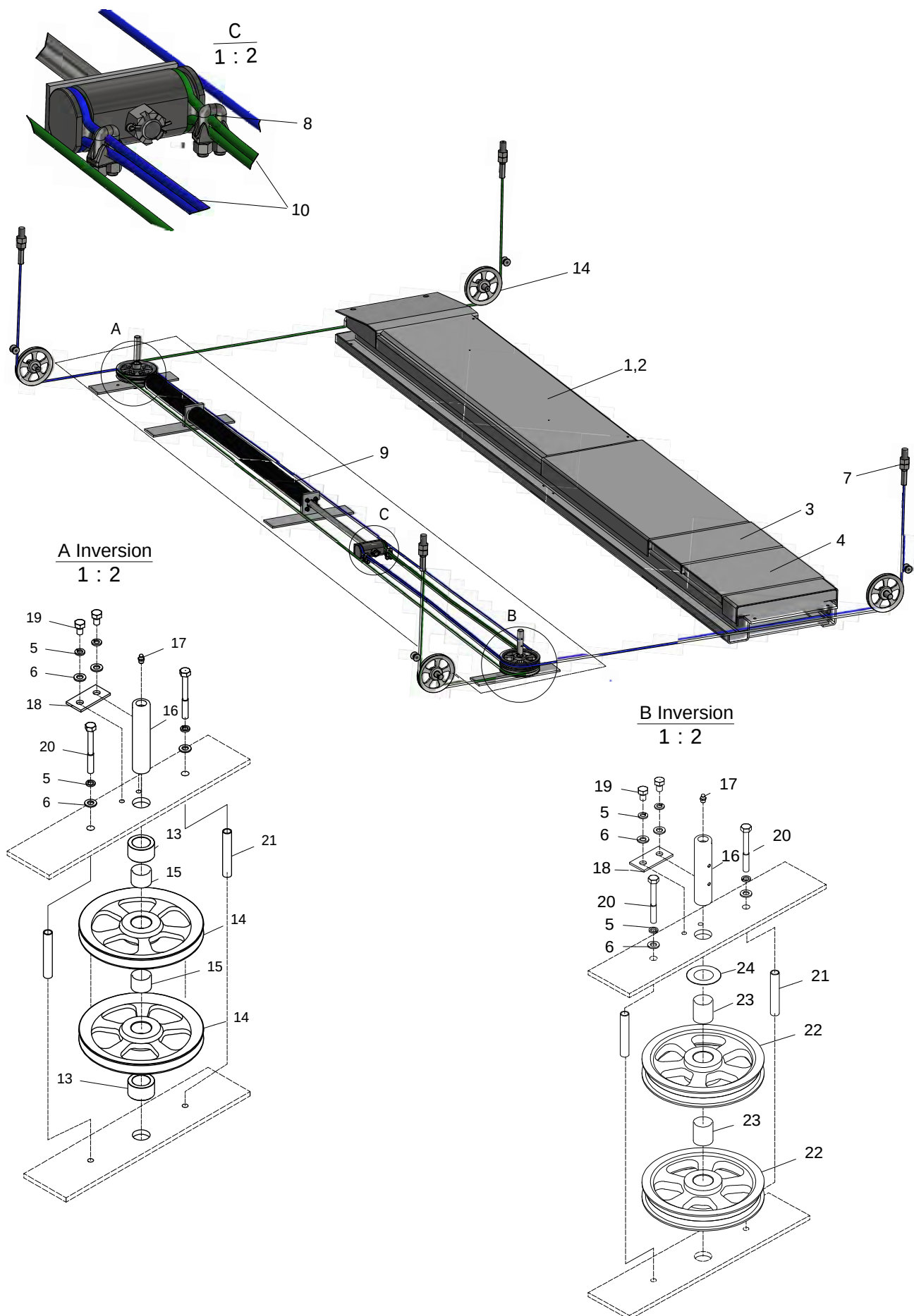
| SM460      |      | Molnar 4 Post Hoist |                                         | 14/20          |
|------------|------|---------------------|-----------------------------------------|----------------|
| POWER PACK |      |                     |                                         |                |
| ITEM       | QTY. | NO.                 | DESIGNATION                             | SPECIFICATIONS |
| 1          | 1    | SM460-M-1           | motor 3 phase                           |                |
|            |      | SM460-M-1A          | motor 1 phase                           |                |
| 2          | 1    | SM450-M-2           | shaft adaptor                           |                |
| 3          | 2    | SM450-M-3           | stopper                                 |                |
| 4          | 1    | SM450-M-4           | pressure valve                          |                |
| 5          | 1    | SM450-M-5           | manifold block                          |                |
| 6          | 1    | SM450-M-6           | seal ring                               |                |
| 7          | 4    | SM450-M-7           | bolt for block                          |                |
| 8          | 1    | SM460-M-8           | pump 3.2cc/rev - 3 phase power pack     |                |
|            |      | SM450-M-8           | pump 2.5cc/rev - 1 phase power pack     |                |
| 9          | 2    | SM450-M-9           | bolt for pump                           |                |
| 10         | 1    | SM450-M-10          | suction pipe                            |                |
| 11         | 1    | SM450-M-11          | filter                                  |                |
| 12         | 4    | SM450-M-12          | screw for tank                          |                |
| 13         | 1    | SM450-M-13          | oil tank                                |                |
| 14         | 1    | SM450-M-14          | oil return pipe                         |                |
| 15         | 1    | SM450-M-15          | cushion valve                           |                |
| 16         | 1    | SM450-M-16          | throttle valve - Lowering control valve |                |
| 17         | 4    | SM450-M-17          | solenoid valve set(valve + coil) - 24V  |                |
| 18         | 1    | SM450-M-18          | one-way valve                           |                |
|            | 1    | SM460-M-22          | complete hydraulic power pack 3 phase   |                |
|            |      | SM460-M-22A         | complete hydraulic power pack 1 phase   |                |

## CONTROL UNIT



|              |      |                     |                                     |                      |
|--------------|------|---------------------|-------------------------------------|----------------------|
| SM460        |      | Molnar 4 Post Hoist |                                     | 16/20                |
| CONTROL UNIT |      |                     |                                     |                      |
| ITEM         | QTY. | NO.                 | DESIGNATION                         | SPECIFICATIONS       |
|              | 1    | SM450-PC-11         | Control Unit complete - 3 phase     | S/N 4P5D0142 onwards |
|              | 1    | SM450-PC-11A        | 24V Control Unit complete - 1 phase |                      |
| 1            | 1    | SM450-PC-1          | Power lamp                          |                      |
| 2            | 1    | SM450-PC-2          | Main switch                         |                      |
| 3            | 1    | SM450-PC-3          | Push button up                      |                      |
| 4            | 1    | SM450-PC-4          | Push button lock                    |                      |
| 5            | 1    | SM450-PC-5          | Push button down                    |                      |
| 6            | 1    | SM450-PC-6          | Fuse holder                         |                      |
| 7            | 1    | SM450-PC-7          | PCB                                 |                      |
| 8/9          | 1+1  | SM450-PC-8          | Contactor                           |                      |
| 10           | 1    | SM450-PC-10         | Control box housing                 |                      |
| 11           | 1    | SM450-PC-11         | Transformer                         |                      |
| 12           | 1    | SM450-PC-12         | Transformer housing                 |                      |

## PLATFORM



| SM460    |      | Molnar 4 Post Hoist |                                                                                                             | 18/20          |
|----------|------|---------------------|-------------------------------------------------------------------------------------------------------------|----------------|
| PLATFORM |      |                     |                                                                                                             |                |
| ITEM     | QTY. | NO.                 | DESIGNATION                                                                                                 | SPECIFICATIONS |
| 1        | 2    | SM460-R-1           | side slip plate - SM460-A only                                                                              | 372mm<br>462mm |
| 2        | 24   | SM450-F10           | roller plate - SM460-A only                                                                                 |                |
| 3        | 2    | SM450-R-3           | filling plate 1 - SM460-A only                                                                              |                |
| 4        | 2    | SM450-R-4           | filling plate 2 - SM460-A only                                                                              |                |
| 5        | 4    | SM450-R-5           | spring washer                                                                                               |                |
| 6        | 4    | SM450-R-6           | plain washer                                                                                                |                |
| 7        | 8    | SM450-R-7           | cable nut                                                                                                   |                |
| 8        | 6    | SM450-R-8           | cable grips                                                                                                 |                |
| 9        | 1    | SM460-R-9           | cylinder                                                                                                    |                |
| 10       | 2    | SM460-R-10          | cable                                                                                                       |                |
| 13       | 2    | SM460-R-13          | single groove pulley spacer (platform)                                                                      |                |
| 14       | 2    | SM460-R-14          | pulley single groove (platform)                                                                             |                |
| 15       | 2    | SM460-R-15          | bush - DU bearing                                                                                           |                |
| 16       | 2    | SM460-R-16          | platform pulley pin (for single groove and double groove pulleys)                                           |                |
| 17       | 2    | SM450-T-17          | grease nipple                                                                                               |                |
| 18       | 2    | SM450-R-18          | shaft locking plate                                                                                         |                |
| 19       | 4    | SM450-R-19          | screw                                                                                                       |                |
| 20       | 4    | SM460-R-20          | retaining bolt                                                                                              |                |
| 21       | 4    | SM460-R-21          | retaining bolt tube                                                                                         |                |
| 22       | 2    | SM460-R-22          | pulley Double groove                                                                                        |                |
| 23       | 2    | SM460-R-23          | bush - DU bearing                                                                                           |                |
| 24       | 1    | SM460-R-24          | double groove pulley spacer - Nylon                                                                         |                |
| 25       | 4    | SM460-R-RB          | cable retaining bolt assembly - incl.no.5, 6, 20, 21                                                        |                |
|          |      | SM450-A-1           | Air Line T Piece         |                |
|          |      | SM450-A-2           | Air Line Pump Connector  |                |
|          |      | SM460-A-3           | Air Line                 |                |

|       |                     |  |  |       |
|-------|---------------------|--|--|-------|
| 19/20 | Molnar 4 Post Hoist |  |  | SM460 |
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|-------|--|---------------------|--|--|-------|
| 20/20 |  | Molnar 4 Post Hoist |  |  | SM460 |
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