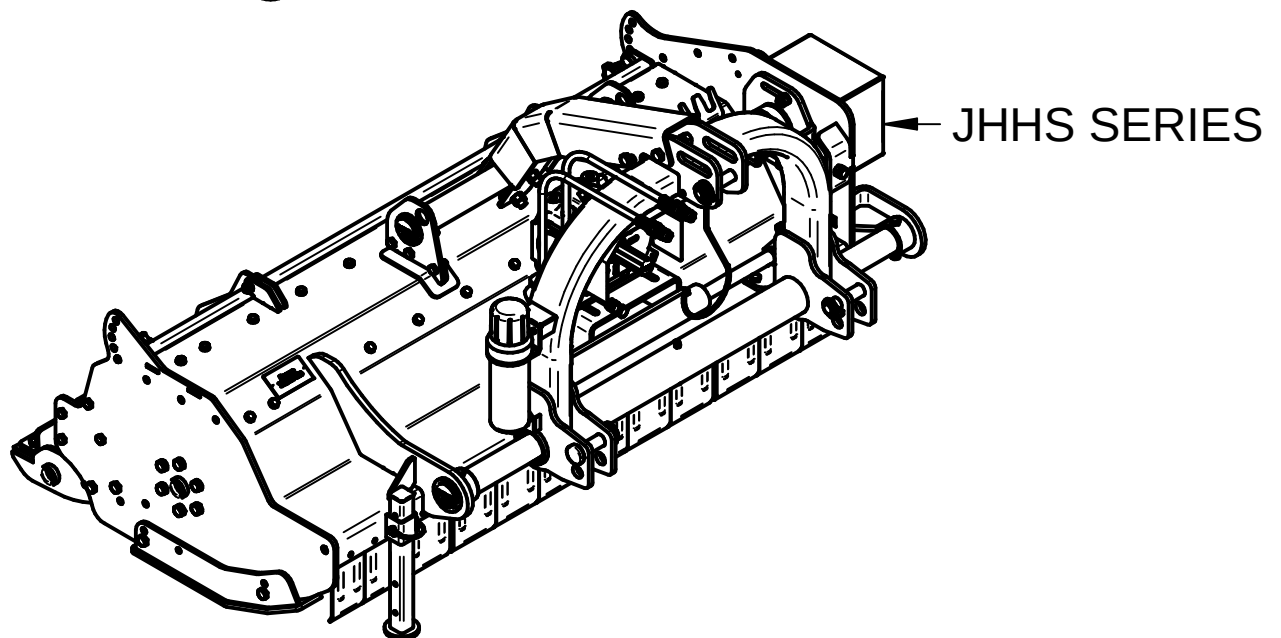
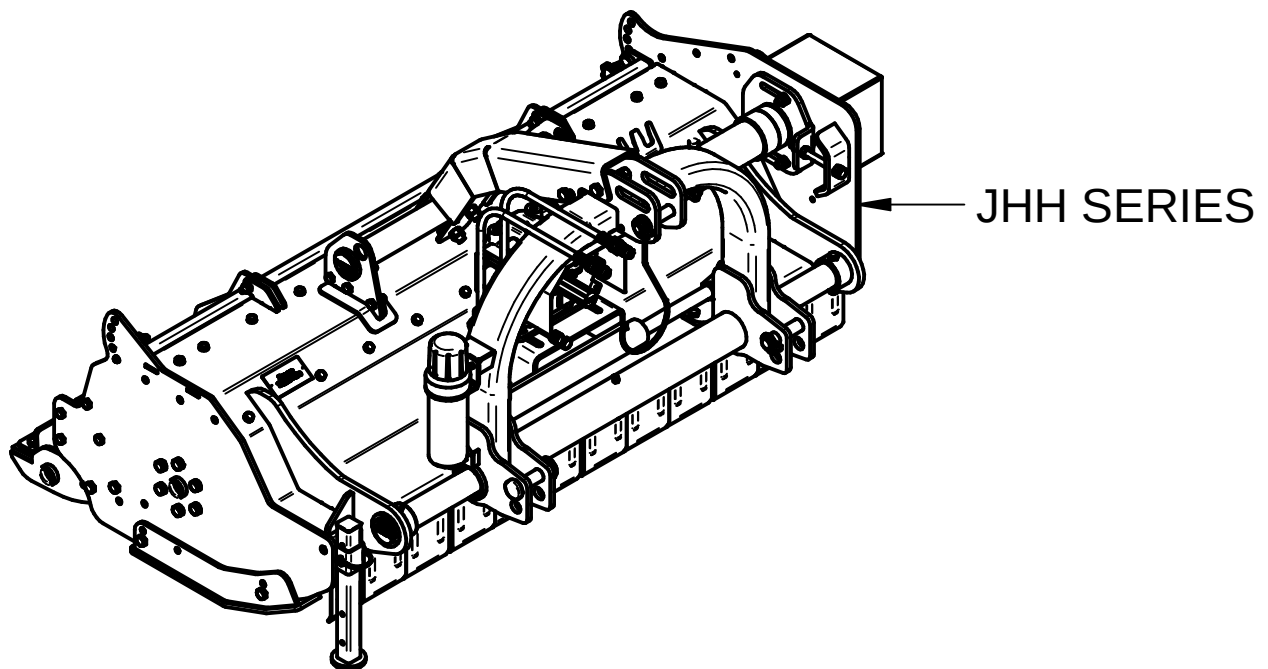
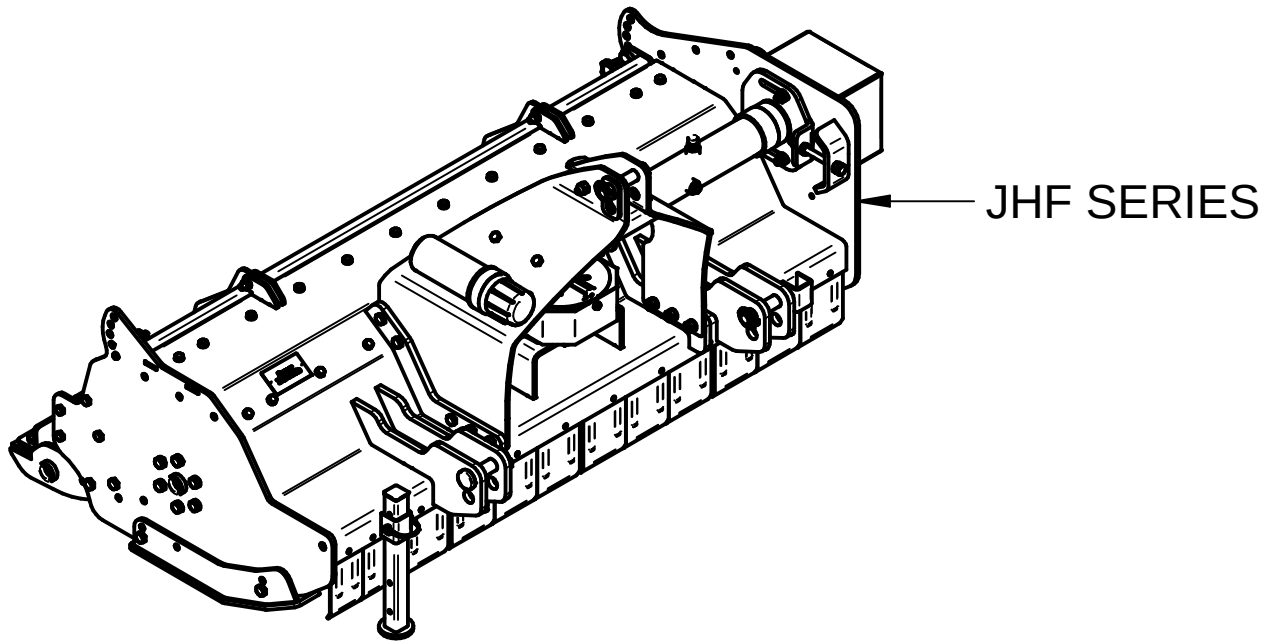
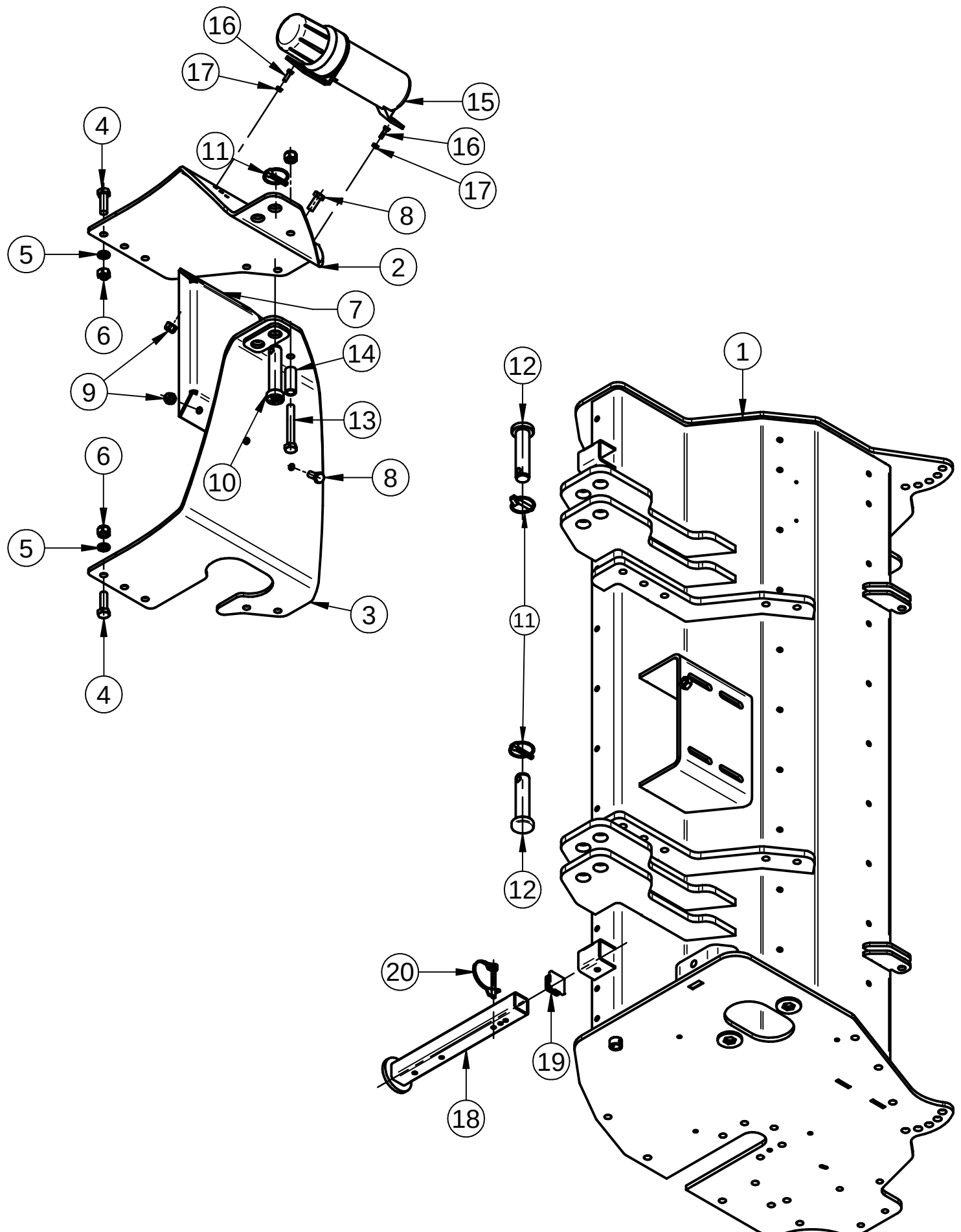


# Mulcher Heavy Series Part Manual

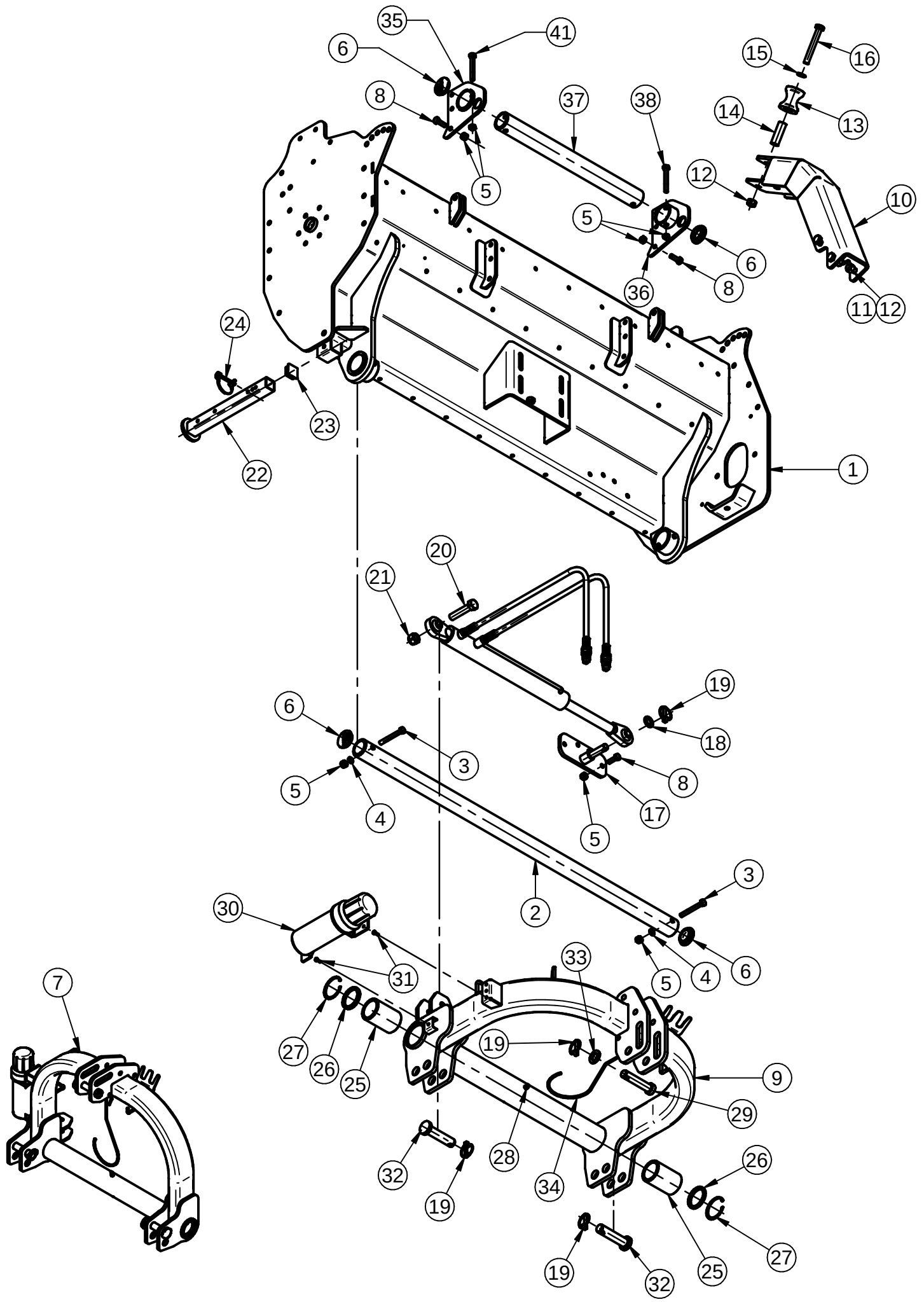


# JHF FRAME WITH TOP MAST



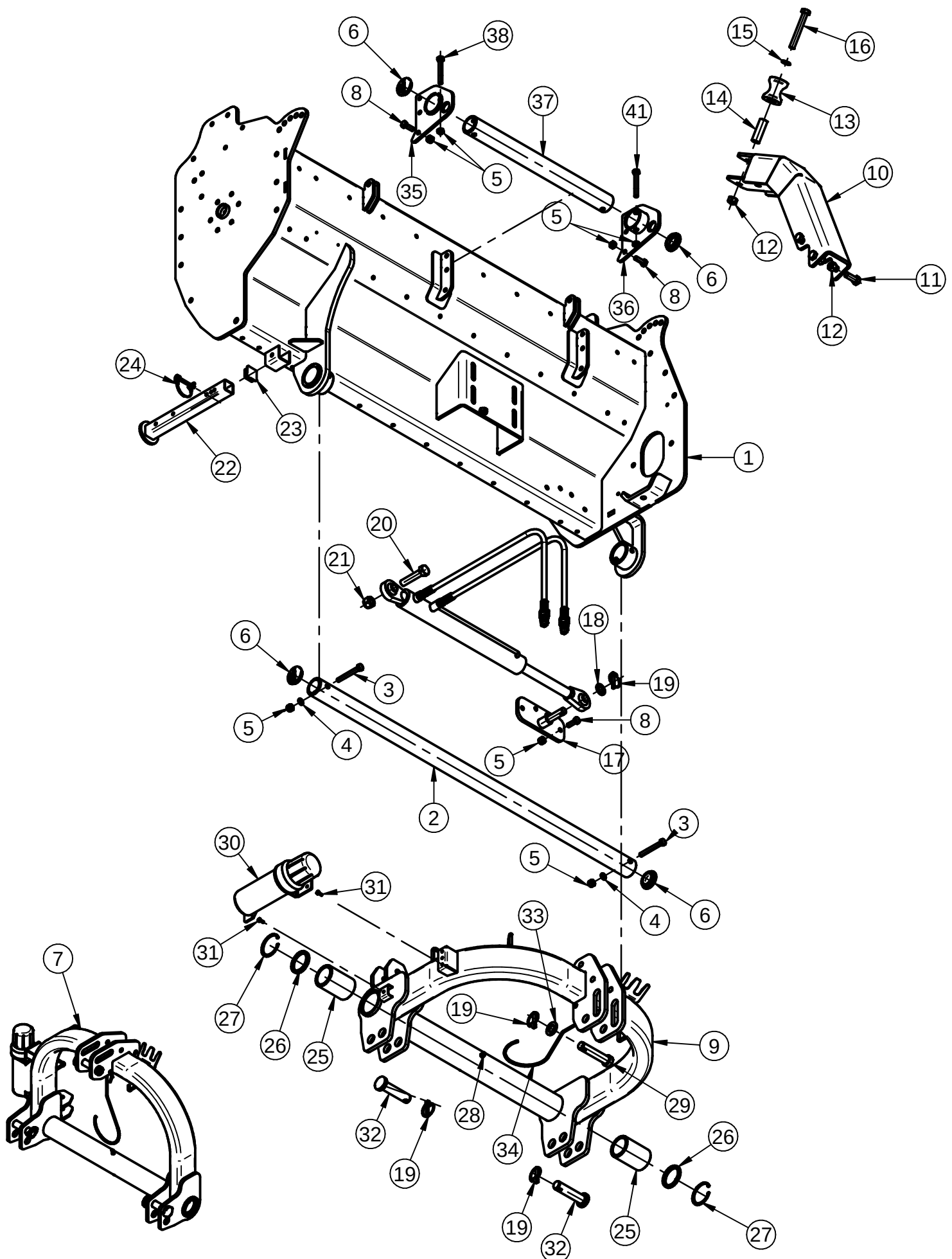
| JMF FRAME WITH TOP MAST |         |                                   |     |
|-------------------------|---------|-----------------------------------|-----|
| Item No                 | Part No | Description                       | QTY |
| 1                       | 1305002 | FRAME WA JHF 160                  | 1   |
|                         | 1305003 | FRAME WA JHF 180                  | 1   |
|                         | 1305004 | FRAME WA JHF 200                  | 1   |
|                         | 1305005 | FRAME WA JHF 220                  | 1   |
|                         | 1305006 | FRAME WA JHF 240                  | 1   |
|                         | 1305007 | FRAME WA JHF 260                  | 1   |
| 2                       | 1303077 | Three point Linkage LH            | 1   |
| 3                       | 1303078 | Three point Linkage RH            | 1   |
| 4                       | 9101406 | Hex Bolt M14 x 45 8.8 Zn D933     | 10  |
| 5                       | 9141401 | Spring Washer M14 Zn D127         | 10  |
| 6                       | 9131404 | Nylock Nut M14-8 Zp D985          | 11  |
| 7                       | 1303023 | Three point linkage Bracket       | 1   |
| 8                       | 9101205 | Hex Bolt M12 x 30 8.8 Zn D933     | 4   |
| 9                       | 9131204 | Nylock Nut M12-8 Zp D985          | 4   |
| 10                      | 9172506 | Pin D 25 x 115                    | 1   |
| 11                      | 9170801 | Linch Pin 8 x 45                  | 3   |
| 12                      | 9172801 | Pin D 28 x 115                    | 2   |
| 13                      | 9111408 | Hex Bolt M14 x 100 HT 8.8 Zn D931 | 1   |
| 14                      | 1101002 | Three Point Spacer                | 1   |
| 15                      | 9196001 | MANUAL BOX COMPLETE               | 1   |
| 16                      | 9100603 | Hex Bolt M6 x 20 8.8 Zn D933      | 4   |
| 17                      | 9130601 | Hex Nut M6-8 Zp D934              | 4   |
| 18                      | 1104054 | Parking stand HL                  | 2   |
| 19                      | 9193002 | END CAP SQ 40 MM                  | 2   |
| 20                      | 9170805 | PTO Pin 8 x 70 Zp                 | 2   |

# JHH FRAME WITH TOP MAST HYDRAULIC



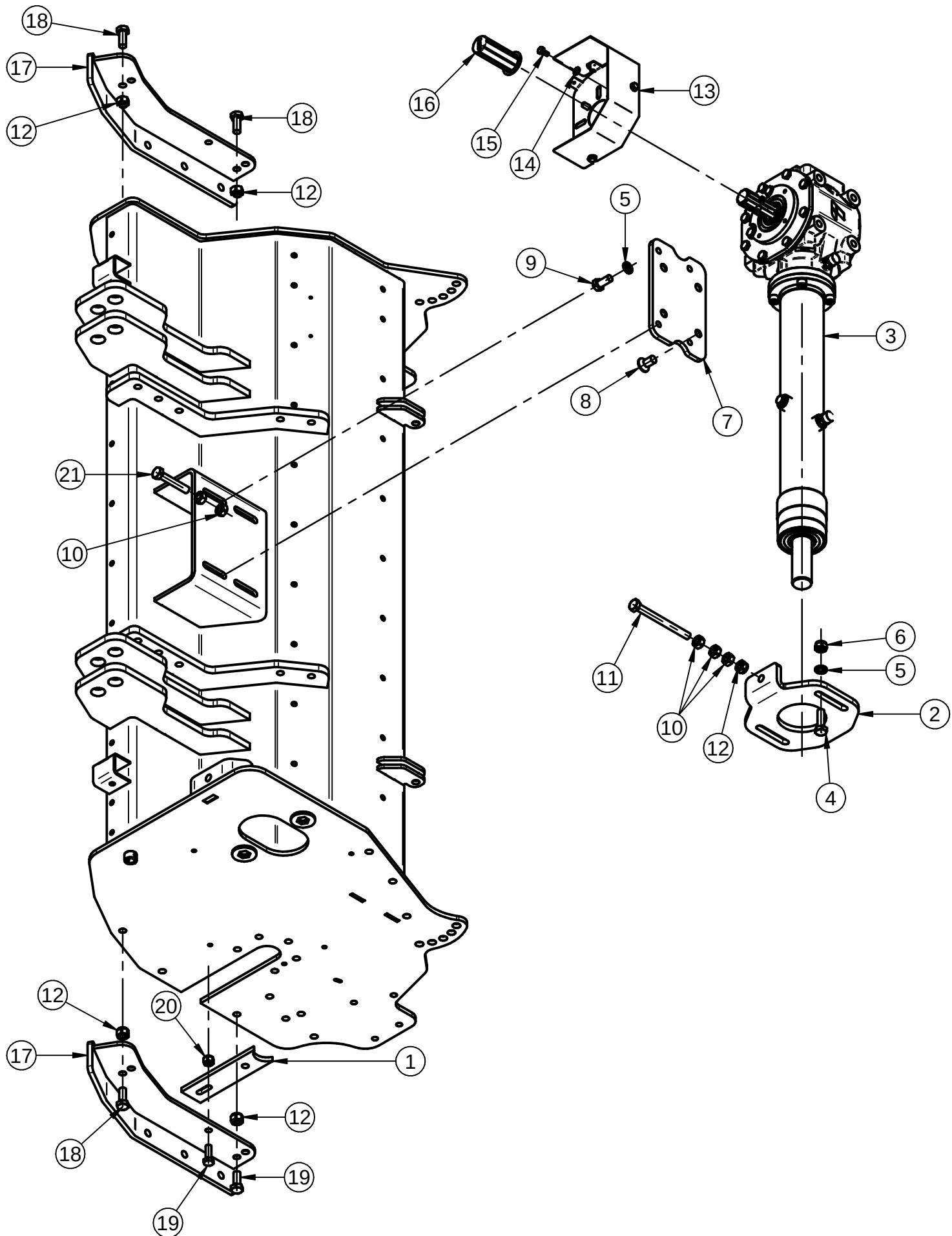
| JHH FRAME WITH TOP MAST HYDRAULIC |         |                                   |     |
|-----------------------------------|---------|-----------------------------------|-----|
| Item No                           | Part No | Description                       | QTY |
| 1                                 | 1306001 | FRAME WA JHH 160                  | 1   |
|                                   | 1306002 | FRAME WA JHH 180                  | 1   |
|                                   | 1306003 | FRAME WA JHH 200                  | 1   |
|                                   | 1306004 | FRAME WA JHH 220                  | 1   |
|                                   | 1306005 | FRAME WA JHH 240                  | 1   |
|                                   | 1306006 | FRAME WA JHH 260                  | 1   |
| 2                                 | 1304001 | Sliding Tube                      | 1   |
| 3                                 | 9111213 | Hex Bolt M12 x 95 HT 8.8 Zn D931  | 2   |
| 4                                 | 9141201 | Spring Washer M12 Zn D127         | 2   |
| 5                                 | 9131204 | Nylock Nut M12-8 Zp D985          | 18  |
| 6                                 | 9193005 | End Cap Dia 60                    | 4   |
| 7                                 | 1304021 | TOP MAST COMPLETE JMH             | 1   |
| 8                                 | 9101206 | Hex Bolt M12 x 35 8.8 Zn D933     | 10  |
| 9                                 | 1304022 | TOP MAST RECT PIPE JMH WA         | 1   |
| 10                                | 1304014 | Three point rear bracket JMH      | 1   |
| 11                                | 9101605 | Hex Bolt M16 x 40 8.8 Zn D933     | 4   |
| 12                                | 9131604 | Nylock Nut M16-8 Zp D985          | 6   |
| 13                                | 1304003 | Rear teflon bush                  | 2   |
| 14                                | 1303194 | SPACER OD 25 X ID 16.5 X 74 LG    | 2   |
| 15                                | 9141601 | Spring Washer M16 Zn D127         | 2   |
| 16                                | 9111608 | Hex Bolt M16 x 120 HT 8.8 Zn D931 | 2   |
| 17                                | 1304015 | Cylinder Bracket                  | 1   |
| 18                                | 9142002 | Washer M20 Zn D125A               | 1   |
| 19                                | 9170801 | Linch Pin 8 x 45                  | 4   |
| 20                                | 9112706 | Hex Bolt M20 x 100 HT 12.9 Zn D93 | 1   |
| 21                                | 9132004 | Nylock Nut M20-8 Zp D985          | 1   |
| 22                                | 1104054 | Parking stand HL                  | 2   |
| 23                                | 9193002 | END CAP SQ 40 MM                  | 2   |
| 24                                | 9170805 | PTO Pin 8 x 70 Zp                 | 2   |
| 25                                | 1304011 | Bushing Teflon JMH                | 2   |
| 26                                | 9186002 | OIL SEAL 60 x 75 x 8 HMSA10 V     | 2   |
| 27                                | 9161014 | Internal Circlip 75 x 2.5 D472    | 2   |
| 28                                | 9192002 | M8 x 1 45 DEG. Grease Nipple      | 2   |
| 29                                | 9172506 | Pin D 25 x 115                    | 1   |
| 30                                | 9196001 | MANUAL BOX COMPLETE               | 1   |
| 31                                | 9100602 | Hex Bolt M6 x 16 8.8 Zn D933      | 4   |
| 32                                | 9172807 | Pin D 28 x 110                    | 2   |
| 33                                | 9142402 | Washer M24 Zn D125A               | 1   |
| 34                                | 1303029 | PTO Hook                          | 1   |
| 35                                | 1304018 | Three point Rear Bracket LH       | 1   |
| 36                                | 1304019 | Three point Rear Bracket RH       | 1   |
| 37                                | 1304020 | Rear Sliding Tube                 | 1   |
| 38                                | 9111208 | Hex Bolt M12 x 90 HT 8.8 Zn D931  | 2   |

# JHHS FRAME WITH TOP MAST HYDRAULIC



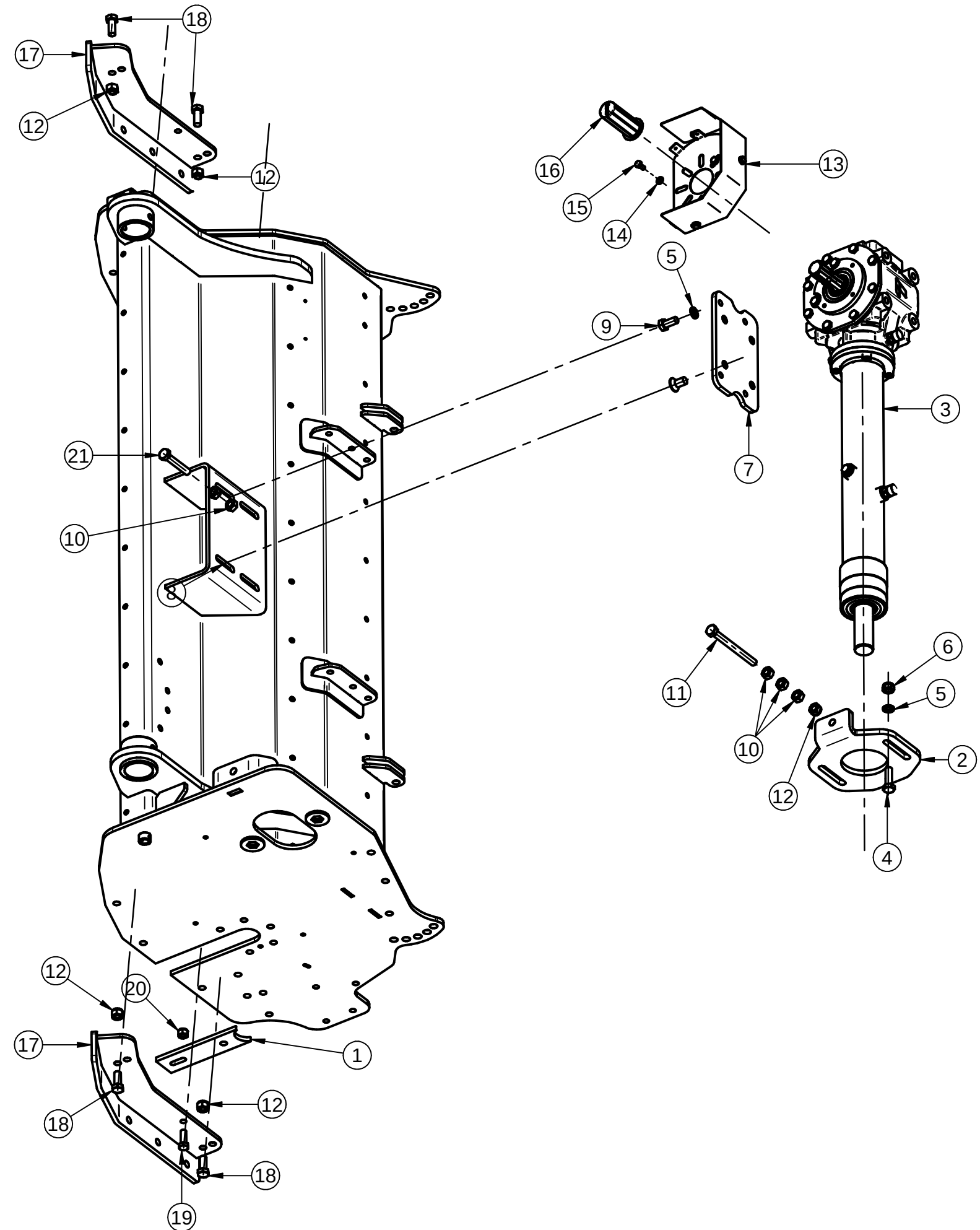
| JHHS FRAME WITH TOP MAST HYDRAULIC |         |                                    |     |
|------------------------------------|---------|------------------------------------|-----|
| Item No                            | Part No | Description                        | QTY |
| 1                                  | 1306009 | JHHS 160 FRAME WA                  | 1   |
|                                    | 1306010 | JHHS 180 FRAME WA                  | 1   |
|                                    | 1306011 | JHHS 200 FRAME WA                  | 1   |
|                                    | 1306012 | JHHS 220 FRAME WA                  | 1   |
|                                    | 1306013 | JHHS 240 FRAME WA                  | 1   |
|                                    | 1306014 | JHHS 260 FRAME WA                  | 1   |
| 2                                  | 1304001 | Sliding Tube                       | 1   |
| 3                                  | 9111213 | Hex Bolt M12 x 95 HT 8.8 Zn D931   | 2   |
| 4                                  | 9141201 | Spring Washer M12 Zn D127          | 2   |
| 5                                  | 9131204 | Nylock Nut M12-8 Zp D985           | 18  |
| 6                                  | 9193005 | End Cap Dia 60                     | 4   |
| 7                                  | 1304021 | TOP MAST COMPLETE JMH              | 1   |
| 8                                  | 9101206 | Hex Bolt M12 x 35 8.8 Zn D933      | 10  |
| 9                                  | 1304022 | TOP MAST RECT PIPE JMH WA          | 1   |
| 10                                 | 1304014 | Three point rear bracket JMH       | 1   |
| 11                                 | 9101605 | Hex Bolt M16 x 40 8.8 Zn D933      | 4   |
| 12                                 | 9131604 | Nylock Nut M16-8 Zp D985           | 6   |
| 13                                 | 1304003 | Rear teflon bush                   | 2   |
| 14                                 | 1303194 | SPACER OD 25 X ID 16.5 X 74 LG     | 2   |
| 15                                 | 9141601 | Spring Washer M16 Zn D127          | 2   |
| 16                                 | 9111608 | Hex Bolt M16 x 120 HT 8.8 Zn D931  | 2   |
| 17                                 | 1304015 | Cylinder Bracket                   | 1   |
| 18                                 | 9142002 | Washer M20 Zn D125A                | 1   |
| 19                                 | 9170801 | Linch Pin 8 x 45                   | 4   |
| 20                                 | 9112706 | Hex Bolt M20 x 100 HT 12.9 Zn D931 | 1   |
| 21                                 | 9132004 | Nylock Nut M20-8 Zp D985           | 1   |
| 22                                 | 1104054 | Parking stand HL                   | 2   |
| 23                                 | 9193002 | END CAP SQ 40 MM                   | 2   |
| 24                                 | 9170805 | PTO Pin 8 x 70 Zp                  | 2   |
| 25                                 | 1304011 | Bushing Teflon JMH                 | 2   |
| 26                                 | 9186002 | OIL SEAL 60 x 75 x 8 HMSA10 V      | 2   |
| 27                                 | 9161014 | Internal Circlip 75 x 2.5 D472     | 2   |
| 28                                 | 9192002 | M8 x 1 45 DEG. Grease Nipple       | 2   |
| 29                                 | 9172506 | Pin D 25 x 115                     | 1   |
| 30                                 | 9196001 | MANUAL BOX COMPLETE                | 1   |
| 31                                 | 9100602 | Hex Bolt M6 x 16 8.8 Zn D933       | 4   |
| 32                                 | 9172807 | Pin D 28 x 110                     | 2   |
| 33                                 | 9142402 | Washer M24 Zn D125A                | 1   |
| 34                                 | 1303029 | PTO Hook                           | 1   |
| 35                                 | 1304018 | Three point Rear Bracket LH        | 1   |
| 36                                 | 1304019 | Three point Rear Bracket RH        | 1   |
| 37                                 | 1304020 | Rear Sliding Tube                  | 1   |
| 38                                 | 9111208 | Hex Bolt M12 x 90 HT 8.8 Zn D931   | 2   |

# JHF FRAME WITH GEARBOX AND SKID



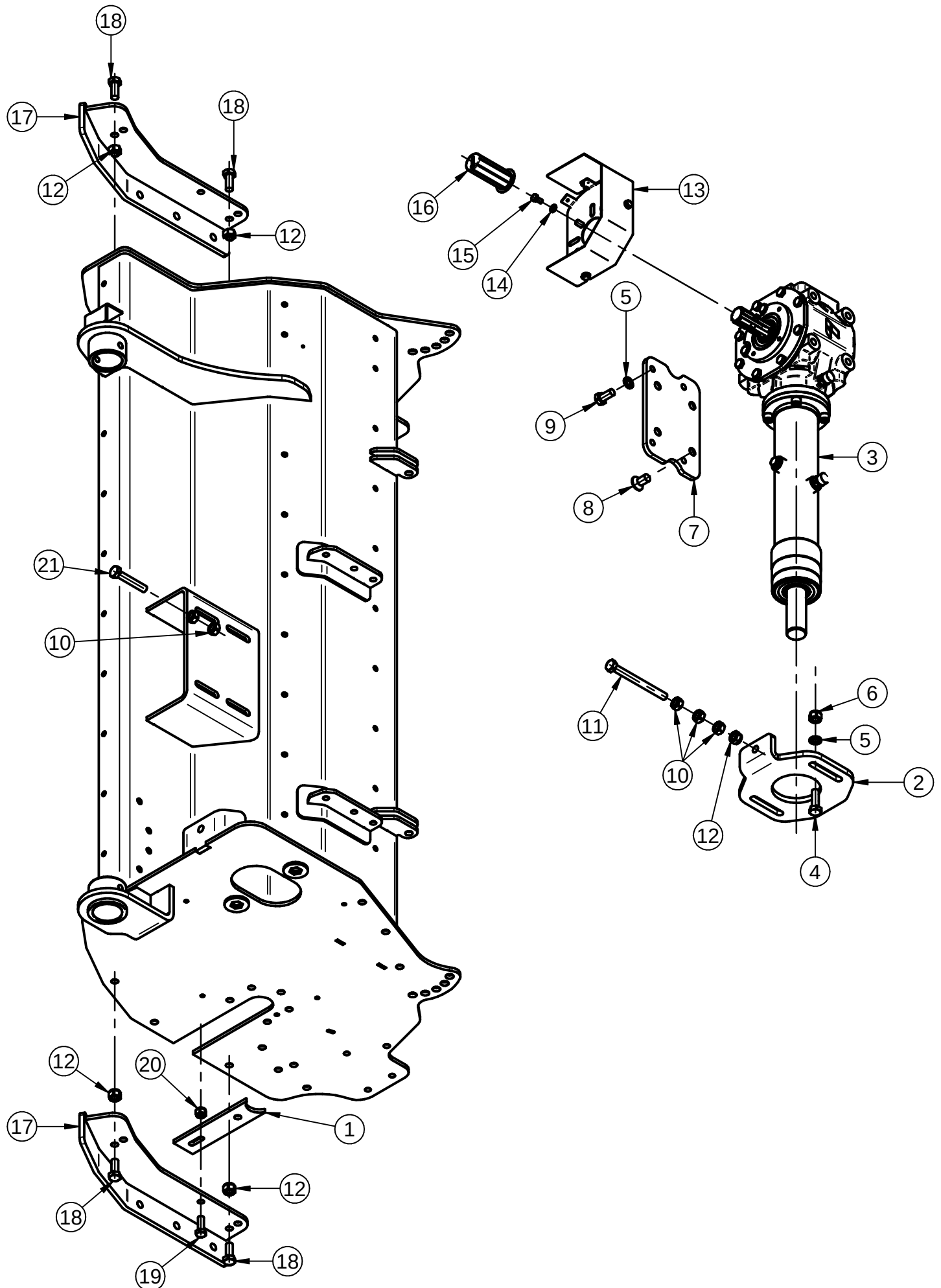
| JHF FRAME WITH GEARBOX AND SKID |         |                                                 |                                        |     |
|---------------------------------|---------|-------------------------------------------------|----------------------------------------|-----|
| Item No                         | Part No | Description                                     |                                        | QTY |
| 1                               | 1305001 | Support Plate JH                                |                                        | 1   |
| 2                               | 1303003 | Gearbox Tigthening Bracket                      |                                        | 1   |
| 3                               | 1303057 | JHF 160                                         | GEARBOX WITH EXTENSION COMPLETE JM-160 | 1   |
|                                 | 1303058 | JHF 180                                         | GEARBOX WITH EXTENSION COMPLETE JM-180 | 1   |
|                                 | 1303059 | JHF 200                                         | GEARBOX WITH EXTENSION COMPLETE JM-200 | 1   |
|                                 | 1303060 | JHF 220                                         | GEARBOX WITH EXTENSION COMPLETE JM-220 | 1   |
|                                 | 1303123 | JHF 240                                         | GEARBOX WITH EXTENSION COMPLETE JM-240 | 1   |
|                                 | 1303159 | JHF 260                                         | GEARBOX WITH EXTENSION COMPLETE JM-260 | 1   |
| 4                               | 9061421 | Hex Bolt M14 x 45 x 1.5 HT 10.9 Zn D931         |                                        | 2   |
| 5                               | 9141401 | Spring Washer M14 Zn D127                       |                                        | 6   |
| 6                               | 9131405 | Nylock Nut M14 x 1.5-8 Zp D985                  |                                        | 2   |
| 7                               | 1303001 | Gearbox Base Plate                              |                                        | 1   |
| 8                               | 9081601 | Hex Socket CSK Head cap screw M16 x 30 Zp D7991 |                                        | 4   |
| 9                               | 9121403 | Hex Bolt M14 x 1.5P x 30 8.8 Zn D961            |                                        | 4   |
| 10                              | 9131401 | Hex Nut M14-8 Zp D934                           |                                        | 4   |
| 11                              | 9101418 | Hex Bolt M14 x 150 8.8 Zn D933                  |                                        | 1   |
| 12                              | 9131404 | Nylock Nut M14-8 Zp D985                        |                                        | 5   |
| 13                              | 1303140 | PTO Guard Jupiter                               |                                        | 1   |
| 14                              | 9140802 | Washer M8 Zn D125A                              |                                        | 4   |
| 15                              | 9100802 | Hex Bolt M8 x 16 8.8 Zn D933                    |                                        | 4   |
| 16                              | 1101001 | Shaft Protection                                |                                        | 1   |
| 17                              | 1303056 | Skid RH                                         |                                        | 2   |
| 18                              | 9101404 | Hex Bolt M14 x 35 8.8 Zn D933                   |                                        | 4   |
| 19                              | 9101206 | Hex Bolt M12 x 35 8.8 Zn D933                   |                                        | 1   |
| 20                              | 9131204 | Nylock Nut M12-8 Zp D985                        |                                        | 1   |
| 21                              | 9101412 | Hex Bolt M14 x 80 8.8 Zn D933                   |                                        | 1   |

# JHH FRAME WITH GEARBOX AND SKID



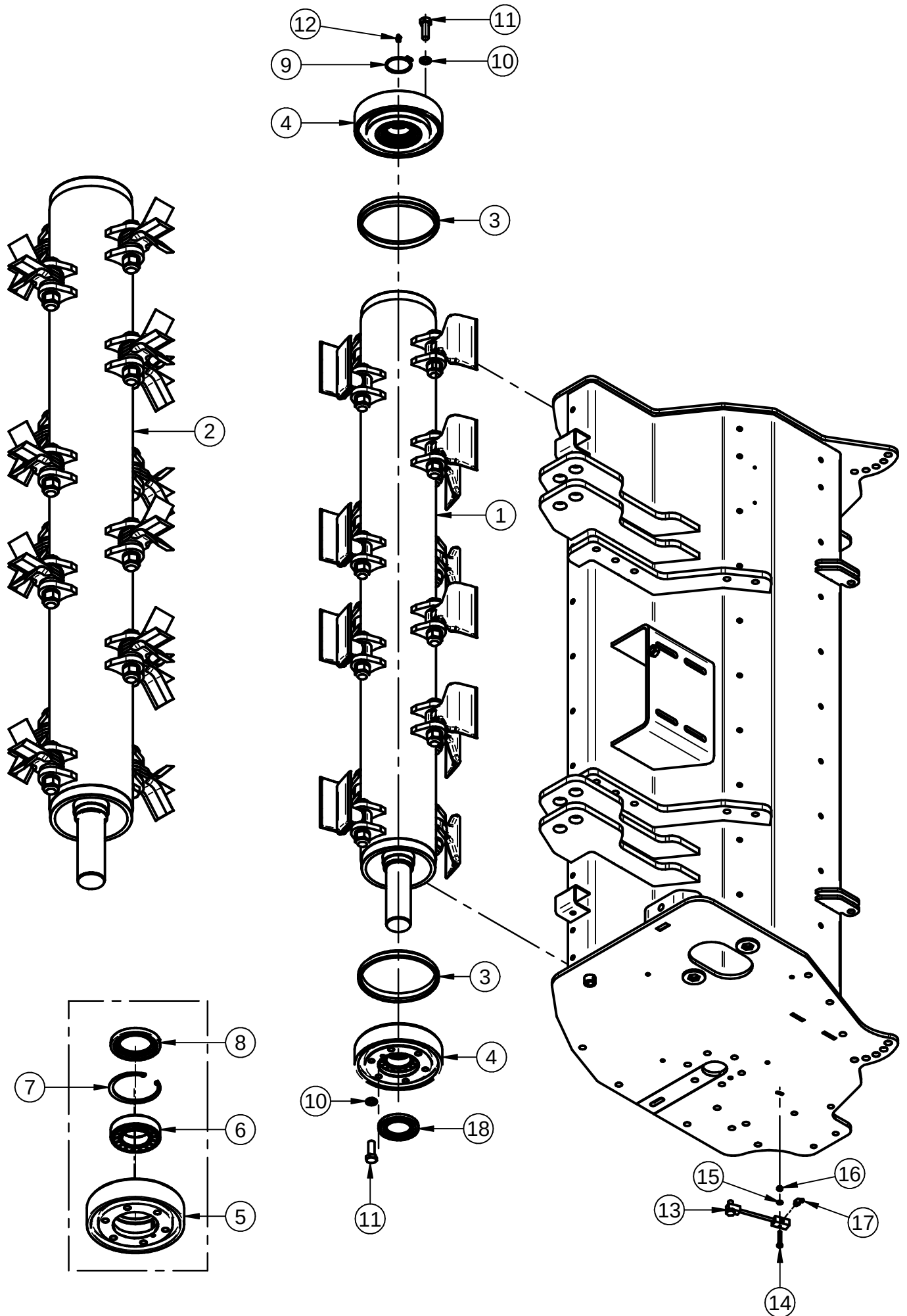
| JHH FRAME WITH GEARBOX AND SKID |         |                                                 |                                        |     |
|---------------------------------|---------|-------------------------------------------------|----------------------------------------|-----|
| Item No                         | Part No | Description                                     |                                        | QTY |
| 1                               | 1305001 | Support Plate JH                                |                                        | 1   |
| 2                               | 1303003 | Gearbox Tigthening Bracket                      |                                        | 1   |
| 3                               | 1303057 | JHH 160                                         | GEARBOX WITH EXTENSION COMPLETE JM-160 | 1   |
|                                 | 1303058 | JHH 180                                         | GEARBOX WITH EXTENSION COMPLETE JM-180 | 1   |
|                                 | 1303059 | JHH 200                                         | GEARBOX WITH EXTENSION COMPLETE JM-200 | 1   |
|                                 | 1303060 | JHH 220                                         | GEARBOX WITH EXTENSION COMPLETE JM-220 | 1   |
|                                 | 1303123 | JHH 240                                         | GEARBOX WITH EXTENSION COMPLETE JM-240 | 1   |
|                                 | 1303159 | JHH 260                                         | GEARBOX WITH EXTENSION COMPLETE JM-260 | 1   |
| 4                               | 9061421 | Hex Bolt M14 x 45 x 1.5 HT 10.9 Zn D931         |                                        | 2   |
| 5                               | 9141401 | Spring Washer M14 Zn D127                       |                                        | 6   |
| 6                               | 9131405 | Nylock Nut M14 x 1.5-8 Zp D985                  |                                        | 2   |
| 7                               | 1303001 | Gearbox Base Plate                              |                                        | 1   |
| 8                               | 9081601 | Hex Socket CSK Head cap screw M16 x 30 Zp D7991 |                                        | 4   |
| 9                               | 9121403 | Hex Bolt M14 x 1.5P x 30 8.8 Zn D961            |                                        | 4   |
| 10                              | 9131401 | Hex Nut M14-8 Zp D934                           |                                        | 4   |
| 11                              | 9101418 | Hex Bolt M14 x 150 8.8 Zn D933                  |                                        | 1   |
| 12                              | 9131404 | Nylock Nut M14-8 Zp D985                        |                                        | 5   |
| 13                              | 1303140 | PTO Guard Jupiter                               |                                        | 1   |
| 14                              | 9140802 | Washer M8 Zn D125A                              |                                        | 4   |
| 15                              | 9100802 | Hex Bolt M8 x 16 8.8 Zn D933                    |                                        | 4   |
| 16                              | 1101001 | Shaft Protection                                |                                        | 1   |
| 17                              | 1303056 | Skid RH                                         |                                        | 2   |
| 18                              | 9101404 | Hex Bolt M14 x 35 8.8 Zn D933                   |                                        | 4   |
| 19                              | 9101206 | Hex Bolt M12 x 35 8.8 Zn D933                   |                                        | 1   |
| 20                              | 9131204 | Nylock Nut M12-8 Zp D985                        |                                        | 1   |
| 21                              | 9101412 | Hex Bolt M14 x 80 8.8 Zn D933                   |                                        | 1   |

# JMHS FRAME WITH GEARBOX AND SKID



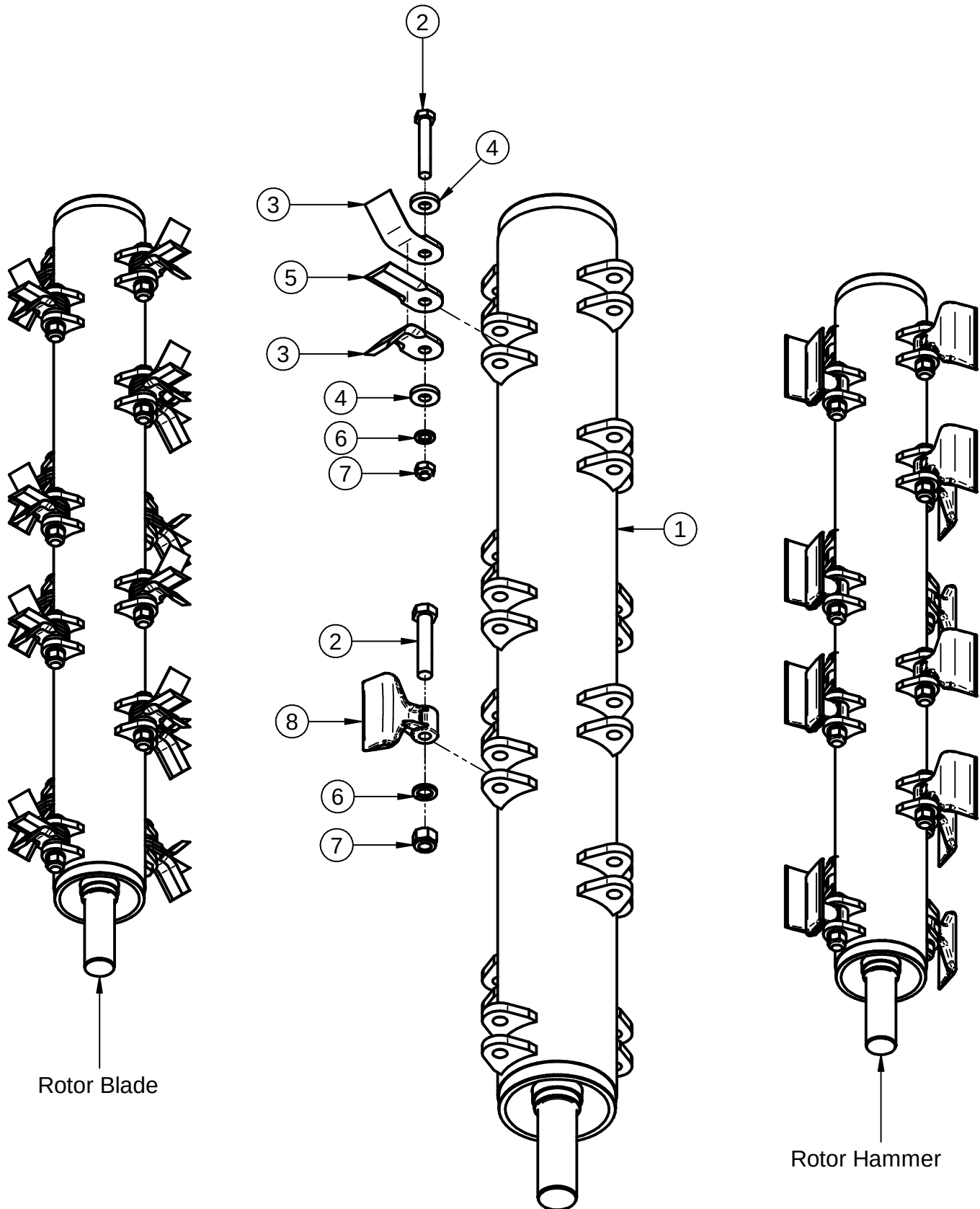
| JMHS FRAME WITH GEARBOX AND SKID |         |                                                 |                                        |     |
|----------------------------------|---------|-------------------------------------------------|----------------------------------------|-----|
| Item No                          | Part No | Description                                     |                                        | QTY |
| 1                                | 1305001 | Support Plate JH                                |                                        | 1   |
| 2                                | 1303003 | Gearbox Tigthening Bracket                      |                                        | 1   |
| 3                                | 1303262 | JMHS 160                                        | GEARBOX WITH EXTENSION COMPLETE JM-120 | 1   |
|                                  | 1303261 | JMHS 180                                        | GEARBOX WITH EXTENSION COMPLETE JM-140 | 1   |
|                                  | 1303057 | JMHS 200                                        | GEARBOX WITH EXTENSION COMPLETE JM-160 | 1   |
|                                  | 1303058 | JMHS 220                                        | GEARBOX WITH EXTENSION COMPLETE JM-180 | 1   |
|                                  | 1303059 | JMHS 240                                        | GEARBOX WITH EXTENSION COMPLETE JM-200 | 1   |
|                                  | 1303060 | JMHS 260                                        | GEARBOX WITH EXTENSION COMPLETE JM-220 | 1   |
| 4                                | 9061421 | Hex Bolt M14 x 45 x 1.5 HT 10.9 Zn D931         |                                        | 2   |
| 5                                | 9141401 | Spring Washer M14 Zn D127                       |                                        | 6   |
| 6                                | 9131405 | Nylock Nut M14 x 1.5-8 Zp D985                  |                                        | 2   |
| 7                                | 1303001 | Gearbox Base Plate                              |                                        | 1   |
| 8                                | 9081601 | Hex Socket CSK Head cap screw M16 x 30 Zp D7991 |                                        | 4   |
| 9                                | 9121403 | Hex Bolt M14 x 1.5P x 30 8.8 Zn D961            |                                        | 4   |
| 10                               | 9131401 | Hex Nut M14-8 Zp D934                           |                                        | 4   |
| 11                               | 9101418 | Hex Bolt M14 x 150 8.8 Zn D933                  |                                        | 1   |
| 12                               | 9131404 | Nylock Nut M14-8 Zp D985                        |                                        | 5   |
| 13                               | 1303140 | PTO Guard Jupiter                               |                                        | 1   |
| 14                               | 9140802 | Washer M8 Zn D125A                              |                                        | 4   |
| 15                               | 9100802 | Hex Bolt M8 x 16 8.8 Zn D933                    |                                        | 4   |
| 16                               | 1101001 | Shaft Protection                                |                                        | 1   |
| 17                               | 1303056 | Skid RH                                         |                                        | 2   |
| 18                               | 9101404 | Hex Bolt M14 x 35 8.8 Zn D933                   |                                        | 4   |
| 19                               | 9101206 | Hex Bolt M12 x 35 8.8 Zn D933                   |                                        | 1   |
| 20                               | 9131204 | Nylock Nut M12-8 Zp D985                        |                                        | 1   |
| 21                               | 9101412 | Hex Bolt M14 x 80 8.8 Zn D933                   |                                        | 1   |

# ROTOR ASSEMBLY



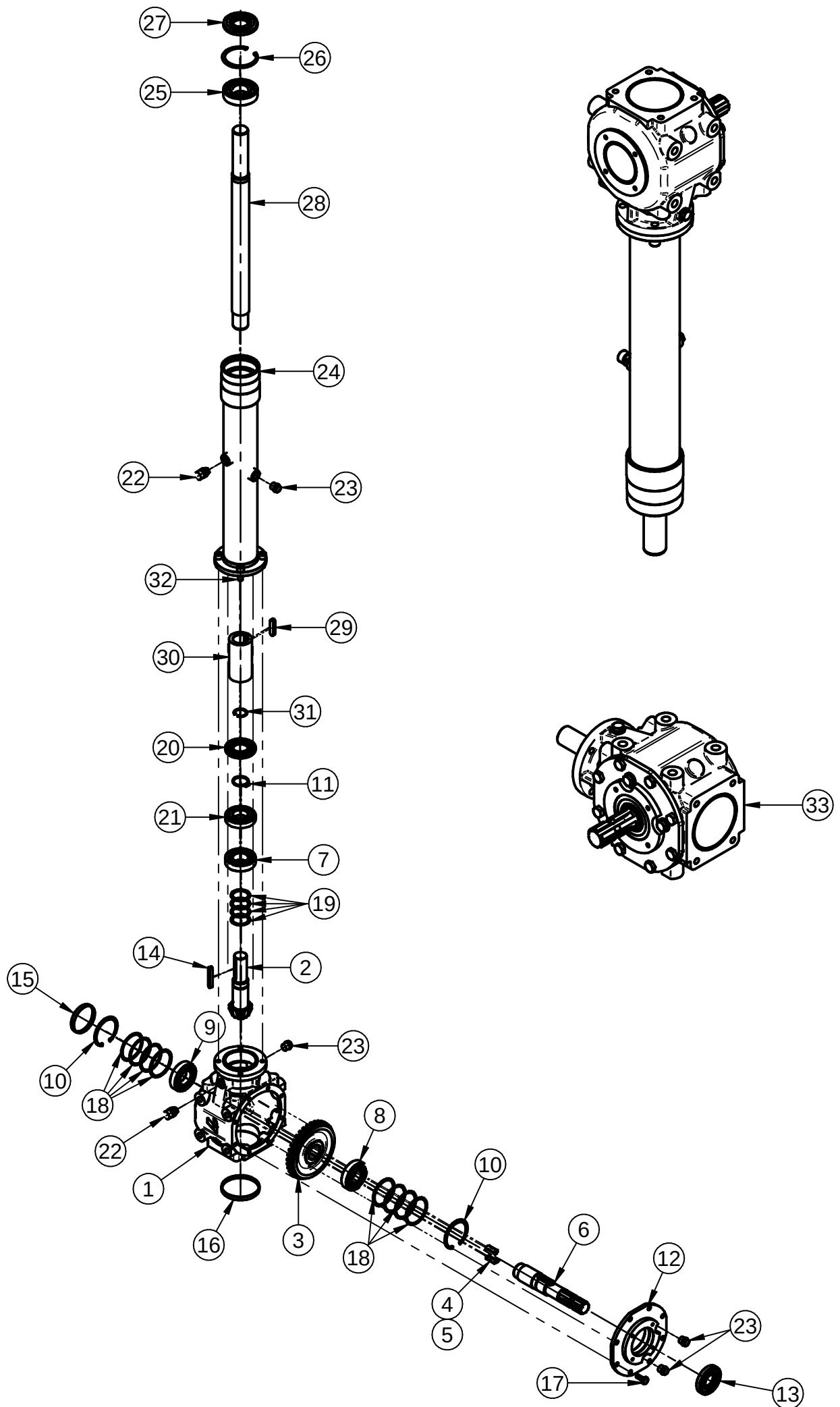
| ROTOR ASSEMBLY |         |                                 |     |
|----------------|---------|---------------------------------|-----|
| Item No        | Part No | Description                     | QTY |
| 1              | 1305054 | Rotor Hammer Assly JH 160       | 1   |
|                | 1305055 | Rotor Hammer Assly JH 180       | 1   |
|                | 1305056 | Rotor Hammer Assly JH 200       | 1   |
|                | 1305057 | Rotor Hammer Assly JH 220       | 1   |
|                | 1305058 | Rotor Hammer Assly JH 240       | 1   |
|                | 1305059 | Rotor Hammer Assly JH 260       | 1   |
| 2              | 1305010 | Rotor Blade Assly JH 160        | 1   |
|                | 1305011 | Rotor Blade Assly JH 180        | 1   |
|                | 1305012 | Rotor Blade Assly JH 200        | 1   |
|                | 1305013 | Rotor Blade Assly JH 220        | 1   |
|                | 1305014 | Rotor Blade Assly JH 240        | 1   |
|                | 1305015 | Rotor Blade Assly JH 260        | 1   |
| 3              | 1303040 | Wiper Seal 165 x 180            | 2   |
| 4              | 1303266 | Rotor Support Assly RH          | 2   |
| 5              | 1303046 | Rotor Support RH                | 2   |
| 6              | 9153004 | 22211 Spherical roller bearing  | 2   |
| 7              | 9161024 | Internal Circlip 100 x 3 D472   | 2   |
| 8              | 9186502 | OIL SEAL 65 x 100 x 10 HMSA10 V | 2   |
| 9              | 9164016 | External Circlip HD 55 x 3 D471 | 1   |
| 10             | 9141401 | Spring Washer M14 Zn D127       | 12  |
| 11             | 9121412 | Hex Bolt M14 x 40 x 1.5 10.9 Zn | 12  |
| 12             | 9192001 | M8 x 1 Grease Nipple            | 1   |
| 13             | 1303004 | Grease Extention with Bolt JM   | 1   |
| 14             | 9100606 | Hex Bolt M6 x 35 8.8 Zn D933    | 1   |
| 15             | 9140601 | Spring Washer M6 Zn D127        | 1   |
| 16             | 9130601 | Hex Nut M6-8 Zp D934            | 1   |
| 17             | 9192002 | M8 x 1 45 DEG. Grease Nipple    | 1   |
| 18             | 9185502 | OIL SEAL 55 x 90 x 10 HMSA10 V  | 1   |

## PART LIST FOR ROTOR ASSEMBLY



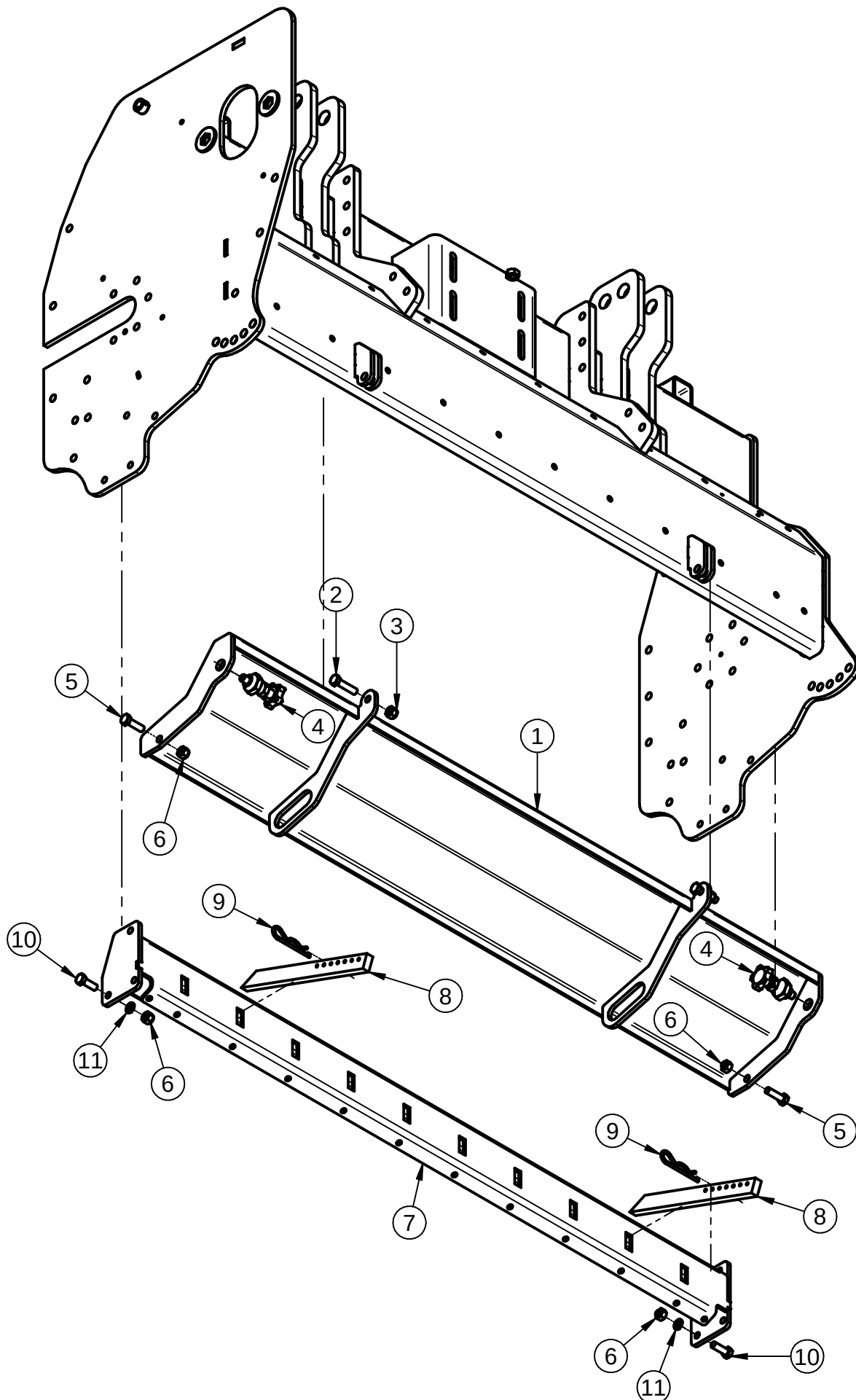
| PART LIST FOR ROTOR ASSEMBLY |         |                                                                 |                     |
|------------------------------|---------|-----------------------------------------------------------------|---------------------|
| Item No                      | Part No | Description                                                     | QTY                 |
| 1                            | 1305018 | Rotor JH 160                                                    | 1                   |
|                              | 1305019 | Rotor JH 180                                                    | 1                   |
|                              | 1305020 | Rotor JH 200                                                    | 1                   |
|                              | 1305021 | Rotor JH 220                                                    | 1                   |
|                              | 1305022 | Rotor JH 240                                                    | 1                   |
|                              | 1305023 | Rotor JH 260                                                    | 1                   |
| 2                            | 9112706 | Hex Bolt M20 x 100 HT 12.9 Zn D931<br>(160-180-200-220-240-260) | (16-16-20-20-24-24) |
| 3                            | 1305027 | Blade Y 95H JH<br>(160-180-200-220-240-260)                     | (32-32-40-40-48-48) |
| 4                            | 9301605 | Spacer ID 16.5 x 40 x 8 mm<br>(160-180-200-220-240-260)         | (32-32-40-40-48-48) |
| 5                            | 1305028 | Blade Stright 95H JH<br>(160-180-200-220-240-260)               | (16-16-20-20-24-24) |
| 6                            | 9142001 | Spring Washer M20 Zn D127<br>(160-180-200-220-240-260)          | (16-16-20-20-24-24) |
| 7                            | 9132004 | Nylock Nut M20-8 Zp D985<br>(160-180-200-220-240-260)           | (16-16-20-20-24-24) |
| 8                            | 1305053 | Blade Hammer JH<br>(160-180-200-220-240-260)                    | (16-16-20-20-24-24) |

## PART LIST FOR GEARBOX ASSLY EXTENTION



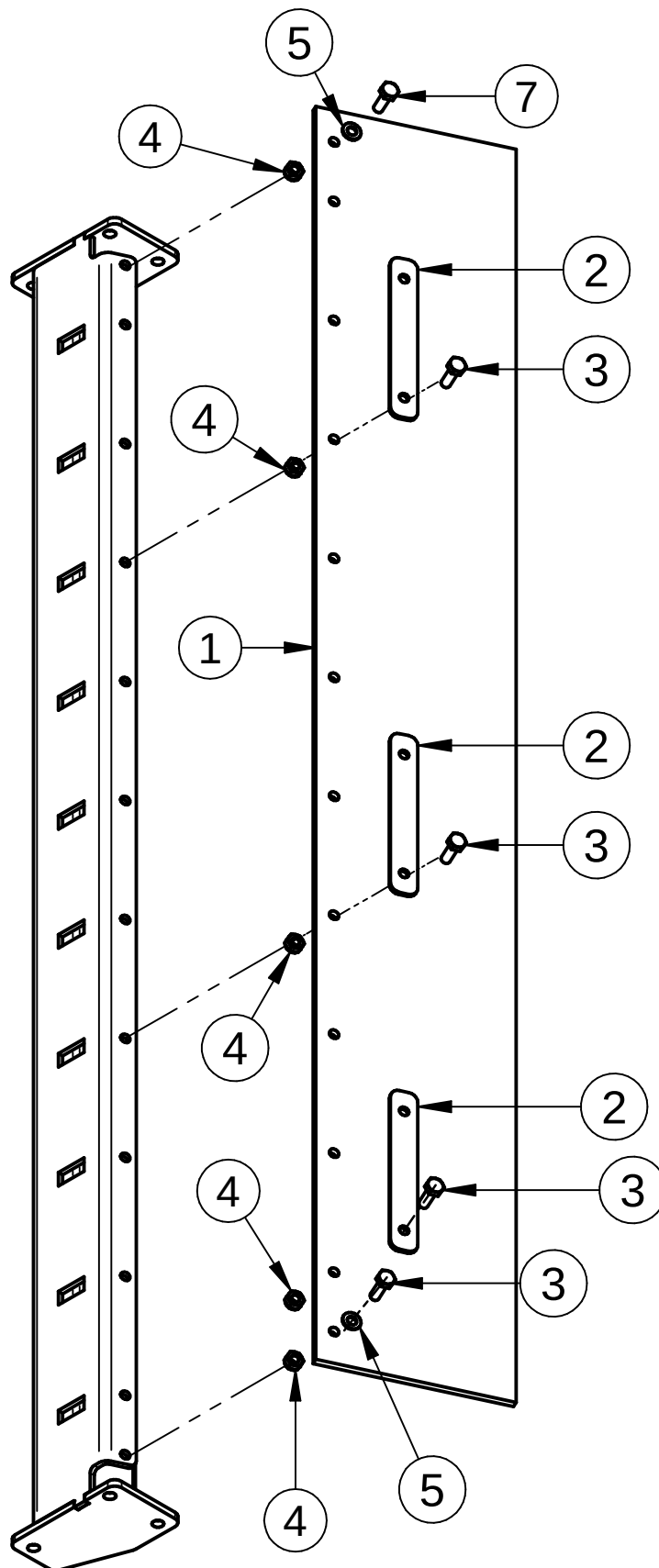
| PART LIST FOR GEARBOX ASSLY EXTENTION |         |                                                           |     |
|---------------------------------------|---------|-----------------------------------------------------------|-----|
| Item No                               | Part No | Description                                               | QTY |
| 1                                     | 1303061 | Gearbox Body JM                                           | 1   |
| 2                                     | 1303062 | Pinion Shaft                                              | 1   |
| 3                                     | 1303063 | Bevel JM                                                  | 1   |
| 4                                     | 1303064 | Spring for Key                                            | 2   |
| 5                                     | 1303065 | Key for Free Wheel                                        | 2   |
| 6                                     | 1303066 | Drive Shaft                                               | 1   |
| 7                                     | 9152010 | 32208 Tapered Roller Bearing                              | 1   |
| 8                                     | 9152007 | 30307 Tapered Roller Bearing                              | 1   |
| 9                                     | 9150005 | 6208 Deep Groove Ball Bearing                             | 1   |
| 10                                    | 9161016 | Internal Circlip 80 x 2.5 D472                            | 2   |
| 11                                    | 9164010 | External Circlip HD 40 x 2.5 D471                         | 1   |
| 12                                    | 1303067 | Drive side Cover                                          | 1   |
| 13                                    | 9183511 | OIL SEAL 35 x 80 x 10                                     | 1   |
| 14                                    | 9201001 | KEY 10 x 8 x 65 A D6885                                   | 1   |
| 15                                    | 9181001 | Blind Seal 80 x 10                                        | 1   |
| 16                                    | 9181002 | Blind Seal 100 x 10                                       | 1   |
| 17                                    | 9101004 | Hex Bolt M10 x 25 8.8 Zn D933                             | 8   |
| 18                                    | 1301153 | SHIM KIT Ø79 X Ø70                                        | 1   |
| 19                                    | 1301154 | SHIM KIT Ø51 X Ø41                                        | 1   |
| 20                                    | 9184009 | OIL SEAL 40 x 80 x 7 HMSA10                               | 1   |
| 21                                    | 9152002 | 30208 Tapered Roller Bearing                              | 1   |
| 22                                    | 9191013 | Breathing Plug G3_8                                       | 2   |
| 23                                    | 9191011 | Plug G 3/8 with O-ring                                    | 4   |
| 24                                    | 1303293 | Transmission Pipe WA JM-120<br>(JHHS 160)                 | 1   |
|                                       | 1303292 | Transmission Pipe WA JM-140<br>(JHHS 180)                 | 1   |
|                                       | 1303284 | Transmission Pipe WA JM-160<br>(JHF 160-JHH 160-JHHS 200) | 1   |
|                                       | 1303285 | Transmission Pipe WA JM-180<br>(JHF 180-JHH 180-JHHS 220) | 1   |
|                                       | 1303286 | Transmission Pipe WA JM-200<br>(JHF 200-JHH 200-JHHS 240) | 1   |
|                                       | 1303287 | Transmission Pipe WA JM-220<br>(JHF 220-JHH 220-JHHS 260) | 1   |
|                                       | 1303288 | Transmission Pipe WA JM-240<br>(JHF 240-JHH 240)          | 1   |
|                                       | 1303289 | Transmission Pipe WA JM-260<br>(JHF 260-JHH 260)          | 1   |
| 25                                    | 9150013 | 6308 Deep Groove Ball Bearing                             | 1   |
| 26                                    | 9161020 | Internal Circlip 90 x 3 D472                              | 1   |
| 27                                    | 9184003 | OIL SEAL 40 x 90 x 10                                     | 1   |
| 28                                    | 1303245 | Transmission Shaft JM 120<br>(JHHS 160)                   | 1   |
|                                       | 1303244 | Transmission Shaft JM 140<br>(JHHS 180)                   | 1   |
|                                       | 1303069 | Transmission Shaft JM 160<br>(JHF 160-JHH 160-JHHS 200)   | 1   |
|                                       | 1303070 | Transmission Shaft JM 180<br>(JHF 180-JHH 180-JHHS 220)   | 1   |
|                                       | 1303071 | Transmission Shaft JM 200<br>(JHF 200-JHH 200-JHHS 240)   | 1   |
|                                       | 1303072 | Transmission Shaft JM 220<br>(JHF 220-JHH 220-JHHS 260)   | 1   |
|                                       | 1303124 | Transmission Shaft JM 240<br>(JHF 240-JHH 240)            | 1   |
|                                       | 1303168 | Transmission Shaft JM 260<br>(JHF 260-JHH 260)            | 1   |
| 29                                    | 9201201 | KEY 12 x 8 x 50 A D6885                                   | 1   |
| 30                                    | 1303068 | Coupling                                                  | 1   |
| 31                                    | 9161001 | Internal Circlip 34 x 1.5 D472                            | 1   |
| 32                                    | 9091203 | Hex Socket Head cap screw M12 x 30 Zp D912                | 4   |
| 33                                    | 1303132 | Gearbox Assly                                             | 1   |

# BONET AND RAKE ASSEMBLY



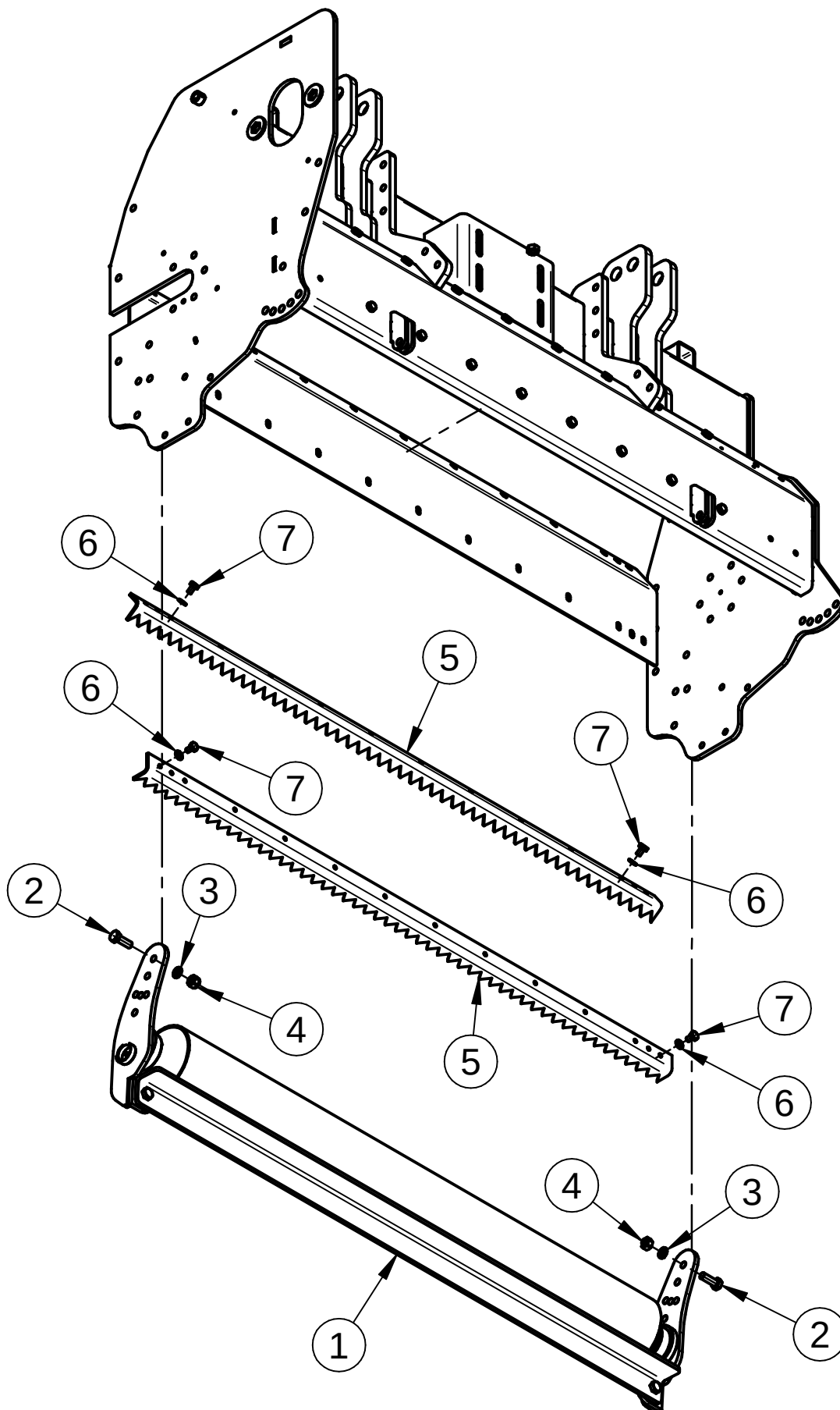
| BONET AND RAKE ASSEMBLY |         |                                                               |                     |
|-------------------------|---------|---------------------------------------------------------------|---------------------|
| Item No                 | Part No | Description                                                   | QTY                 |
| 1                       | 1303051 | BONET WA JM 160                                               | 1                   |
|                         | 1303052 | BONET WA JM 180                                               | 1                   |
|                         | 1303053 | BONET WA JM 200                                               | 1                   |
|                         | 1303054 | BONET WA JM 220                                               | 1                   |
|                         | 1303122 | BONET WA JM 240                                               | 1                   |
|                         | 1303276 | BONET WA JM 260                                               | 1                   |
| 2                       | 9111202 | Hex Bolt M12 x 50 HT 8.8 Zn D931<br>(160-180-200-220-240-260) | (2-3-3-4-4-4)       |
| 3                       | 9131204 | Nylock Nut M12-8 Zp D985<br>(160-180-200-220-240-260)         | (2-3-3-4-4-4)       |
| 4                       | 1303094 | Plunger D14                                                   | 2                   |
| 5                       | 9101207 | Hex Bolt M12 x 40 8.8 Zn D933                                 | 2                   |
| 6                       | 9131204 | Nylock Nut M12-8 Zp D985                                      | 8                   |
| 7                       | 1303105 | RAKE CHANNEL WA JM 160                                        | 1                   |
|                         | 1303106 | RAKE CHANNEL WA JM 180                                        | 1                   |
|                         | 1303107 | RAKE CHANNEL WA JM 200                                        | 1                   |
|                         | 1303108 | RAKE CHANNEL WA JM 220                                        | 1                   |
|                         | 1303131 | RAKE CHANNEL WA JM 240                                        | 1                   |
|                         | 1303191 | RAKE CHANNEL WA JM 260                                        | 1                   |
| 8                       | 1303104 | Rake flat JM<br>(160-180-200-220-240-260)                     | (10-10-12-14-15-16) |
| 9                       | 9170504 | R Pin D5 x 85 Zp<br>(160-180-200-220-240-260)                 | (10-10-12-14-15-16) |
| 10                      | 9101206 | Hex Bolt M12 x 35 8.8 Zn D933                                 | 6                   |
| 11                      | 9141201 | Spring Washer M12 Zn D127                                     | 6                   |

## SEGMENT AND REAR RUBBER FLAP



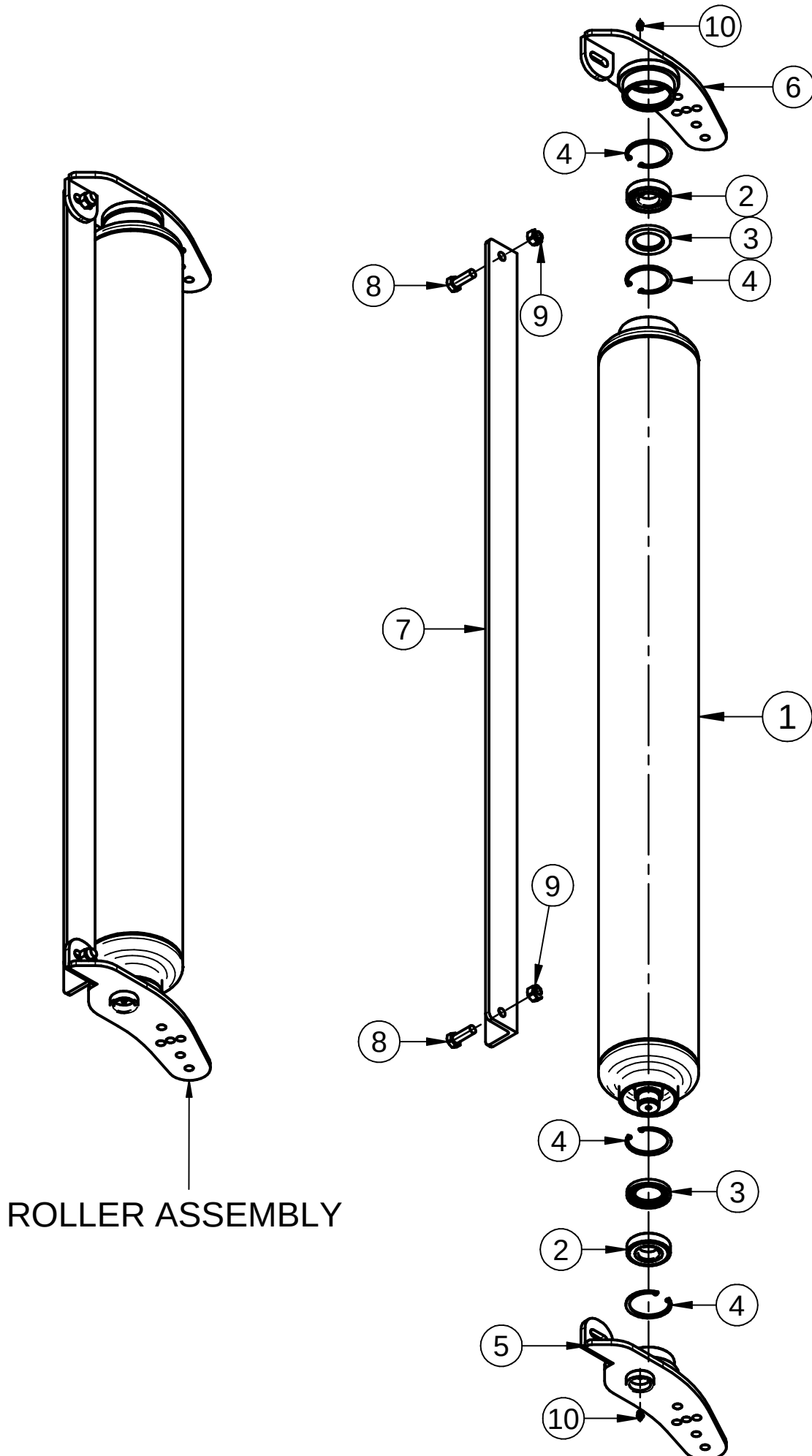
| SEGMENT AND REAR RUBBER FLAP |         |                               |                     |
|------------------------------|---------|-------------------------------|---------------------|
| Item No                      | Part No | Description                   | QTY                 |
| 1                            | 1303193 | RUBBER FLAP JM 160            | 1                   |
|                              | 1303203 | RUBBER FLAP JM 180            | 1                   |
|                              | 1303213 | RUBBER FLAP JM 200            | 1                   |
|                              | 1303215 | RUBBER FLAP JM 220            | 1                   |
|                              | 1303218 | RUBBER FLAP JM 240            | 1                   |
|                              | 1303235 | RUBBER FLAP JM 260            | 1                   |
| 2                            | 1303202 | SAGMENT FOR RUBBER FLAP       | (5-6-6-7-8-8)       |
|                              |         | (160-180-200-220-240-260)     |                     |
| 3                            | 9101005 | Hex Bolt M10 x 30 8.8 Zn D933 | (12-12-14-16-16-18) |
|                              |         | (160-180-200-220-240-260)     |                     |
| 4                            | 9131004 | Nylock Nut M10-8 Zp D985      | (12-12-14-16-16-18) |
|                              |         | (160-180-200-220-240-260)     |                     |
| 5                            | 9141002 | Washer M10 Zn D125A           | (2-2-2-2)           |
|                              |         | (160-200-220-260)             |                     |

## ROLLER AND CUTTER BLADE



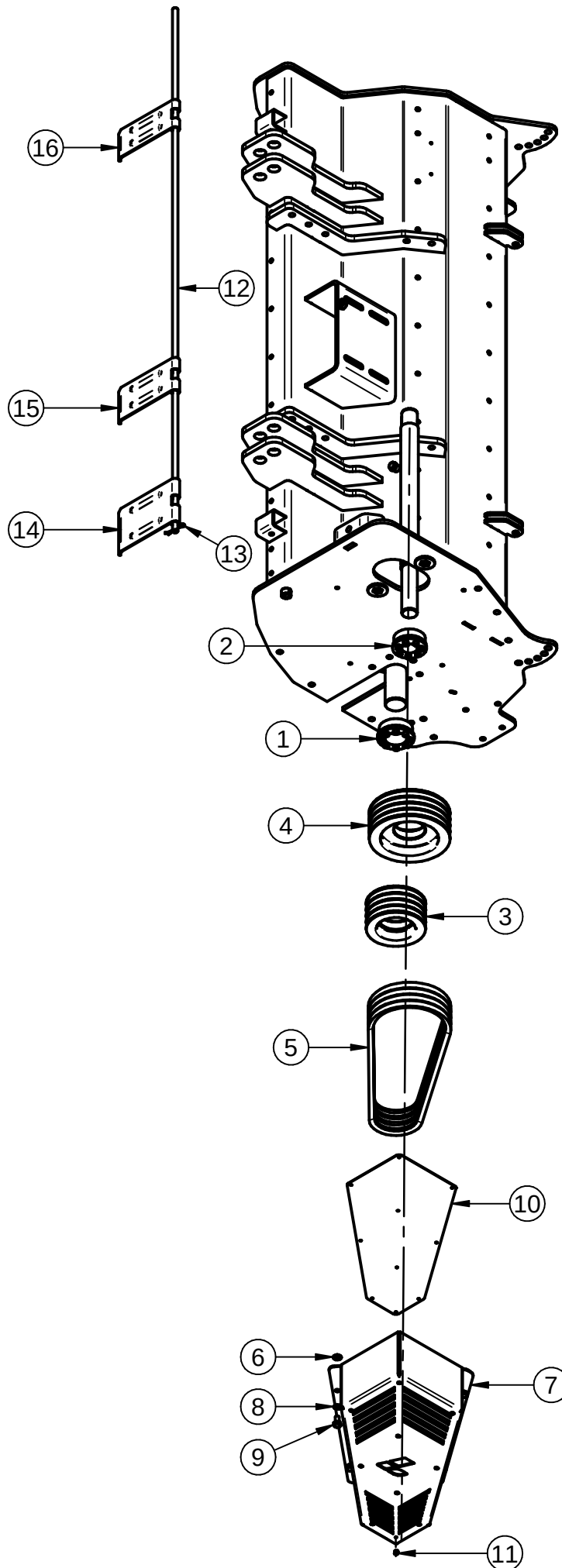
| ROLLER AND CUTTER BLADE |         |                                        |                     |
|-------------------------|---------|----------------------------------------|---------------------|
| Item No                 | Part No | Description                            | QTY                 |
| 1                       | 1303079 | ROLLER COMPLETE JM 160                 | 1                   |
|                         | 1303080 | ROLLER COMPLETE JM 180                 | 1                   |
|                         | 1303081 | ROLLER COMPLETE JM 200                 | 1                   |
|                         | 1303082 | ROLLER COMPLETE JM 220                 | 1                   |
|                         | 1303126 | ROLLER COMPLETE JM 240                 | 1                   |
|                         | 1303117 | ROLLER COMPLETE JM 260                 | 1                   |
| 2                       | 9101405 | Hex Bolt M14 x 40 8.8 Zn D933          | 4                   |
| 3                       | 9141401 | Spring Washer M14 Zn D127              | 4                   |
| 4                       | 9131404 | Nylock Nut M14-8 Zp D985               | 4                   |
| 5                       | 1303005 | Cutter Blade JM 160                    | 2                   |
|                         | 1303006 | Cutter Blade JM 180                    | 2                   |
|                         | 1303007 | Cutter Blade JM 200                    | 2                   |
|                         | 1303008 | Cutter Blade JM 220                    | 2                   |
|                         | 1303182 | Cutter Blade JM 240                    | 2                   |
|                         | 1303184 | Cutter Blade JM 260                    | 2                   |
| 6                       | 9141002 | Washer M10 Zn D125A                    | (12-12-14-16-16-18) |
|                         |         | (160-180-200-220-240-260)              |                     |
| 7                       | 9101002 | Hex Bolt M10 x 16 8.8 Zn D933          | (12-12-14-16-16-18) |
|                         |         | (160-180-200-220-240-260)              |                     |
| 8                       | 1303186 | DOUBLE FRAME WITH COUNTER BLADE JM 160 | 1                   |
|                         | 1303187 | DOUBLE FRAME WITH COUNTER BLADE JM 180 | 1                   |
|                         | 1303188 | DOUBLE FRAME WITH COUNTER BLADE JM 200 | 1                   |
|                         | 1303189 | DOUBLE FRAME WITH COUNTER BLADE JM 220 | 1                   |
|                         | 1303190 | DOUBLE FRAME WITH COUNTER BLADE JM 240 | 1                   |
|                         | 1303273 | DOUBLE FRAME WITH COUNTER BLADE JM 260 | 1                   |

# PART LIST FOR ROLLER ASSEMBLY



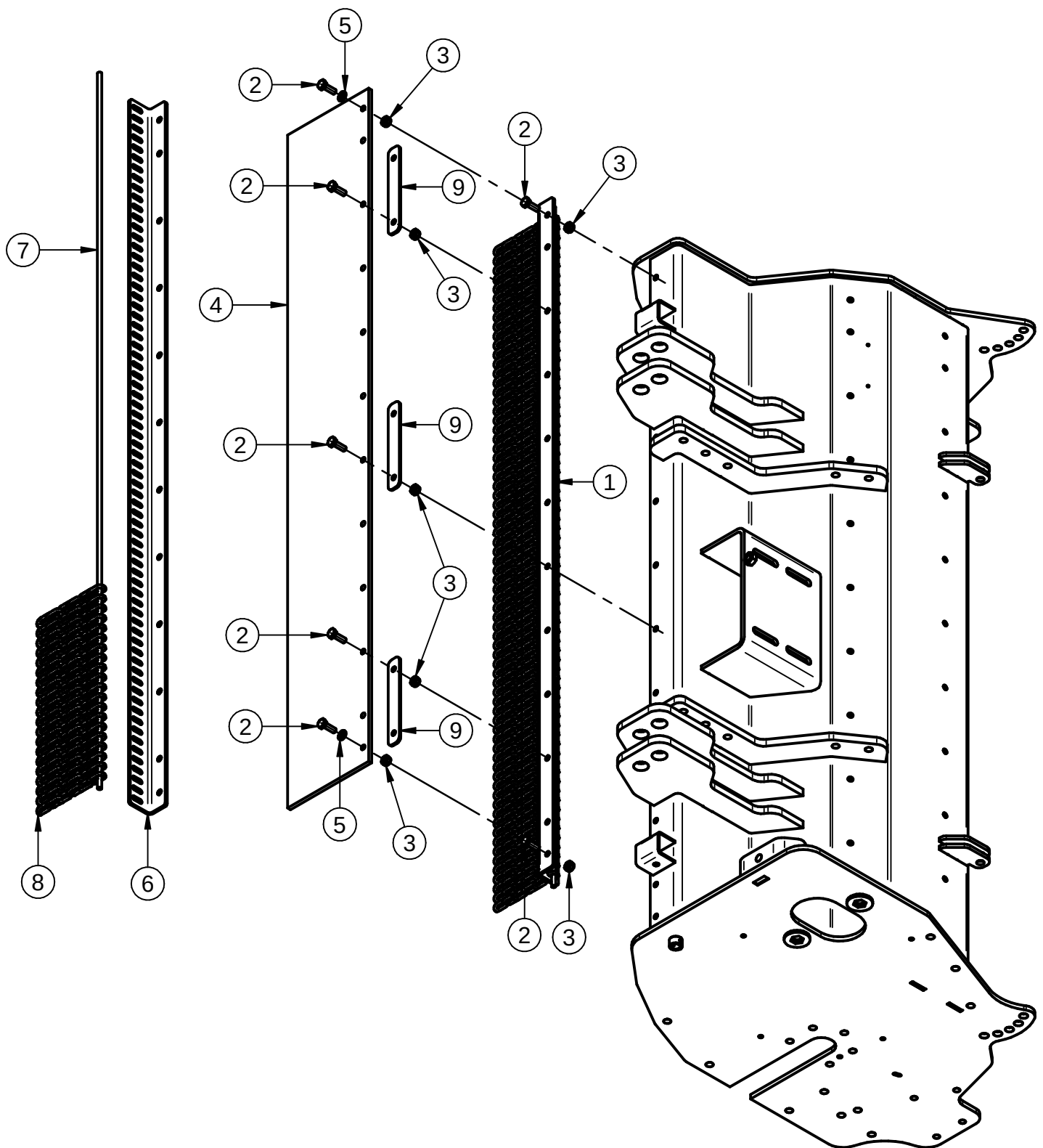
| PART LIST FOR ROLLER ASSEMBLY |         |                                        |     |
|-------------------------------|---------|----------------------------------------|-----|
| Item No                       | Part No | Description                            | QTY |
| 1                             | 1303090 | Roller JM 160                          | 1   |
|                               | 1303091 | Roller JM 180                          | 1   |
|                               | 1303092 | Roller JM 200                          | 1   |
|                               | 1303093 | Roller JM 220                          | 1   |
|                               | 1303128 | Roller JM 240                          | 1   |
|                               | 1303115 | Roller JM 260                          | 1   |
| 2                             | 9150008 | 6207 Z Deep Groove Ball Bearing        | 2   |
| 3                             | 9184502 | OIL SEAL 45 X 72 X 8 HMS5 RG           | 2   |
| 4                             | 9161013 | Internal Circlip 72 x 2.5 D472         | 4   |
| 5                             | 1303192 | ROLLER SUPPORT WA R.H                  | 1   |
| 6                             | 1303195 | ROLLER SUPPORT WA L.H                  | 1   |
| 7                             | 1303248 | L ANGLE 65 X 65 X 8 THIK X 1570 JM 160 | 1   |
|                               | 1303249 | L ANGLE 65 X 65 X 8 THIK X 1770 JM 180 | 1   |
|                               | 1303250 | L ANGLE 65 X 65 X 8 THIK X 1970 JM 200 | 1   |
|                               | 1303251 | L ANGLE 65 X 65 X 8 THIK X 2170 JM 220 | 1   |
|                               | 1303252 | L ANGLE 65 X 65 X 8 THIK X 2370 JM 240 | 1   |
|                               | 1303253 | L ANGLE 65 X 65 X 8 THIK X 2570 JM 260 | 1   |
| 8                             | 9101405 | Hex Bolt M14 x 40 8.8 Zn D933          | 2   |
| 9                             | 9131404 | Nylock Nut M14-8 Zp D985               | 2   |
| 10                            | 9192001 | M8 x 1 Grease Nipple                   | 2   |

## PULLEY AND DRIVE COVER



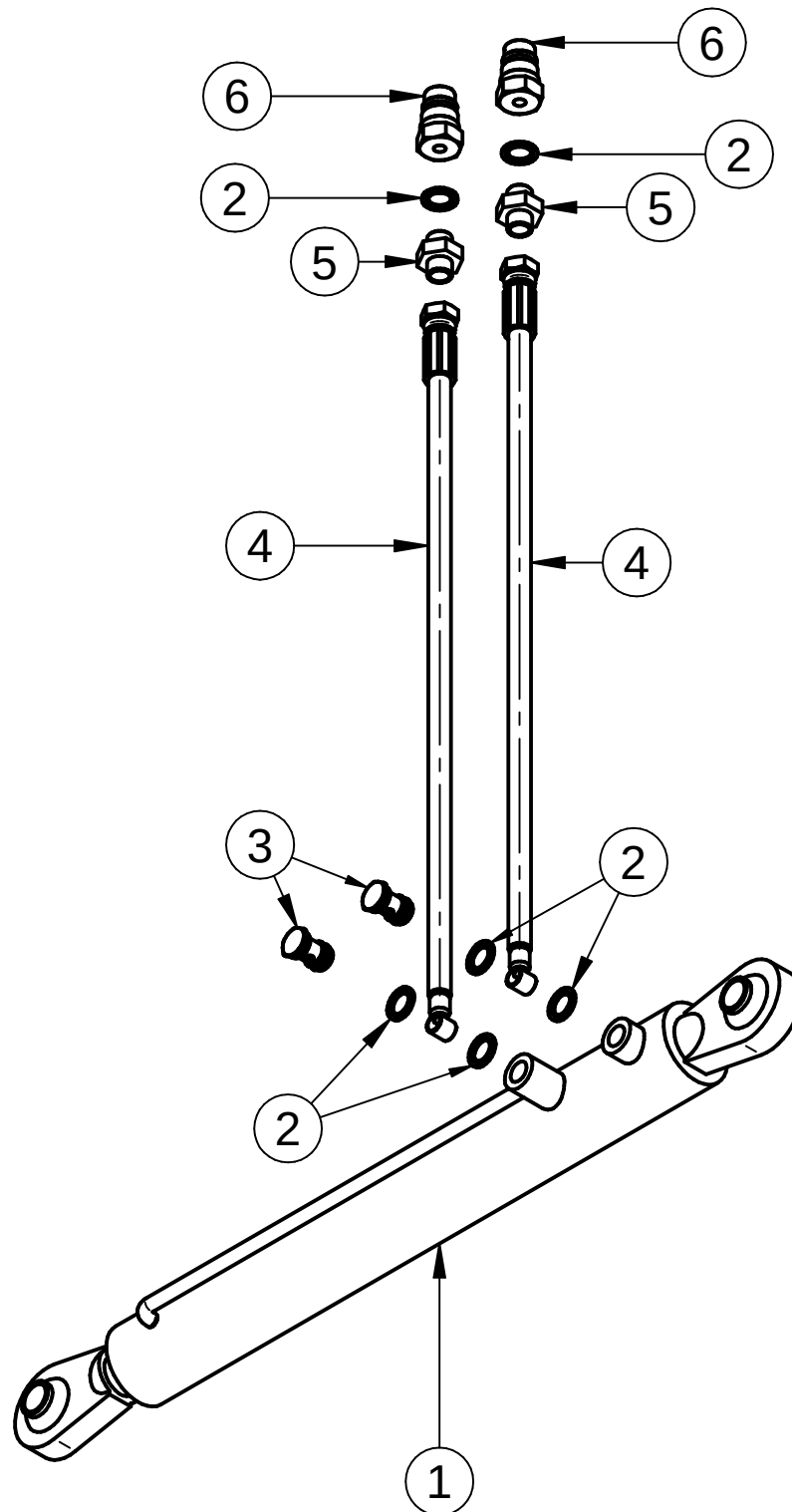
| PULLEY AND DRIVE COVER |         |                               |                     |
|------------------------|---------|-------------------------------|---------------------|
| Item No                | Part No | Description                   | QTY                 |
| 1                      | 1303256 | SIT LOCK 55 x 85              | 1                   |
| 2                      | 1301096 | Sit Lock 40 x 80              | 1                   |
| 3                      | 1307001 | PULLEY 145 SPB-4              | 1                   |
| 4                      | 1303027 | PULLEY 200 X SPB-4            | 1                   |
| 5                      | 9195006 | BELT SPBX-1400                | 4                   |
| 6                      | 9141003 | Plain Washer Rubber M10 X 2   | 4                   |
| 7                      | 1303022 | Drive Cover SP JM AND JH      | 1                   |
| 8                      | 9141001 | Spring Washer M10 Zn D127     | 4                   |
| 9                      | 9101003 | Hex Bolt M10 x 20 8.8 Zn D933 | 4                   |
| 10                     | 1303298 | PERFORATED SHEET JM           | 1                   |
| 11                     | 9190002 | Rivet Steel Zp 4 x10          | 10                  |
| 12                     | 1303017 | HINGE BAR JM 160              | 1                   |
|                        | 1303018 | HINGE BAR JM 180              | 1                   |
|                        | 1303019 | HINGE BAR JM 200              | 1                   |
|                        | 1303020 | HINGE BAR JM 220              | 1                   |
|                        | 1303118 | HINGE BAR JM 240              | 1                   |
|                        | 1303156 | HINGE BAR JM 260              | 1                   |
| 13                     | 9170402 | Split Pin Dia.4 x 55 lg       | 1                   |
| 14                     | 1303324 | Front Protection Flap JM 133L | (11-12-12-15-15-18) |
|                        |         | (160-180-200-220-240-260)     |                     |
| 15                     | 1303325 | Front Protection Flap JM 100L | (1-1-2-2)           |
|                        |         | (160-180-200-240)             |                     |
| 16                     | 1303326 | Front Protection Flap JM 85L  | 1                   |
|                        |         | (200-220-240-260)             |                     |

# CHAIN LINK UNIT WITH FRONT RUBBER FLAP



| CHAIN LINK UNIT WITH FRONT RUBBER FLAP |         |                                                                                   |                       |
|----------------------------------------|---------|-----------------------------------------------------------------------------------|-----------------------|
| Item No                                | Part No | Description                                                                       | QTY                   |
| 1                                      | 1303198 | CHAIN LINK UNIT COMPLETE JM 160                                                   | 1                     |
|                                        | 1303212 | CHAIN LINK UNIT COMPLETE JM 180                                                   | 1                     |
|                                        | 1303219 | CHAIN LINK UNIT COMPLETE JM 200                                                   | 1                     |
|                                        | 1303220 | CHAIN LINK UNIT COMPLETE JM 220                                                   | 1                     |
|                                        | 1303221 | CHAIN LINK UNIT COMPLETE JM 240                                                   | 1                     |
|                                        | 1303239 | CHAIN LINK UNIT COMPLETE JM 260                                                   | 1                     |
| 2                                      | 9101005 | Hex Bolt M10 x 30 8.8 Zn D933<br>(160-180-200-220-240-260)                        | (12-12-14-16-16-18)   |
| 3                                      | 9131004 | Nylock Nut M10-8 Zp D985<br>(160-180-200-220-240-260)                             | (12-12-14-16-16-18)   |
| 4                                      | 1303297 | FRONT RUBBER FLAP JM 160                                                          | 1                     |
|                                        | 1303228 | FRONT RUBBER FLAP JM 180                                                          | 1                     |
|                                        | 1303222 | FRONT RUBBER FLAP JM 200                                                          | 1                     |
|                                        | 1303223 | FRONT RUBBER FLAP JM 240                                                          | 1                     |
|                                        | 1303224 | FRONT RUBBER FLAP JM 260                                                          | 1                     |
| 5                                      | 9141002 | Washer M10 Zn D125A<br>(160-180-200-220-260)                                      | 2                     |
| 6                                      | 1303199 | CHAIN HOLDING ANGLE JM 160                                                        | 1                     |
|                                        | 1303204 | CHAIN HOLDING ANGLE JM 180                                                        | 1                     |
|                                        | 1303205 | CHAIN HOLDING ANGLE JM 200                                                        | 1                     |
|                                        | 1303206 | CHAIN HOLDING ANGLE JM 220                                                        | 1                     |
|                                        | 1303207 | CHAIN HOLDING ANGLE JM 240                                                        | 1                     |
|                                        | 1303238 | CHAIN HOLDING ANGLE JM 260                                                        | 1                     |
| 7                                      | 1303200 | ROD DIA 8 FOR CHAIN LINK JM 160                                                   | 1                     |
|                                        | 1303208 | ROD DIA 8 FOR CHAIN LINK JM 180                                                   | 1                     |
|                                        | 1303209 | ROD DIA 8 FOR CHAIN LINK JM 200                                                   | 1                     |
|                                        | 1303210 | ROD DIA 8 FOR CHAIN LINK JM 220                                                   | 1                     |
|                                        | 1303211 | ROD DIA 8 FOR CHAIN LINK JM 240                                                   | 1                     |
|                                        | 1303229 | ROD DIA 8 FOR CHAIN LINK JM 260                                                   | 1                     |
| 8                                      | 9198003 | ROUND STEEL LINK DIA 6 X 38.5 X 20.5 MORRIS X 6 LINK<br>(160-180-200-220-240-260) | (71-79-88-97-106-115) |
| 9                                      | 1303202 | SAGMENT FOR RUBBER FLAP<br>(160-180-200-220-240-260)                              | (5-6-6-7-8-8)         |

## HYDRAULIC SYSTEM JM/JH



| HYDRAULIC SYSTEM JM/JH |         |                                                 |     |
|------------------------|---------|-------------------------------------------------|-----|
| Item No                | Part No | Description                                     | QTY |
| 1                      | 9971006 | HYDRAULIC CYLINDER (20.3 X 50 X 656) Stroke 400 | 1   |
| 2                      | 9975002 | DOWTY SEAL 3/8                                  | 6   |
| 3                      | 9975004 | BANJO BOLT 3/8                                  | 2   |
| 4                      | 9973006 | 3/8 HOSE PIPE 3/8 NUT X 3/8 BANJO-2000 L        | 2   |
| 5                      | 9975008 | NIPPLE MALE 3/8                                 | 2   |
| 6                      | 9975005 | QRC MALE 3/8                                    | 2   |