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# MATERIAL HANDLING SYSTEMS

## Repair Parts *Model 0.5/4 Crane*

**IOWA MOLD TOOLING CO., INC.**

BOX 189, GARNER, IA 50438-0189  
641-923-3711

MANUAL PART NO: 99903420

Iowa Mold Tooling Co., Inc. is an Oshkosh Corporation company.

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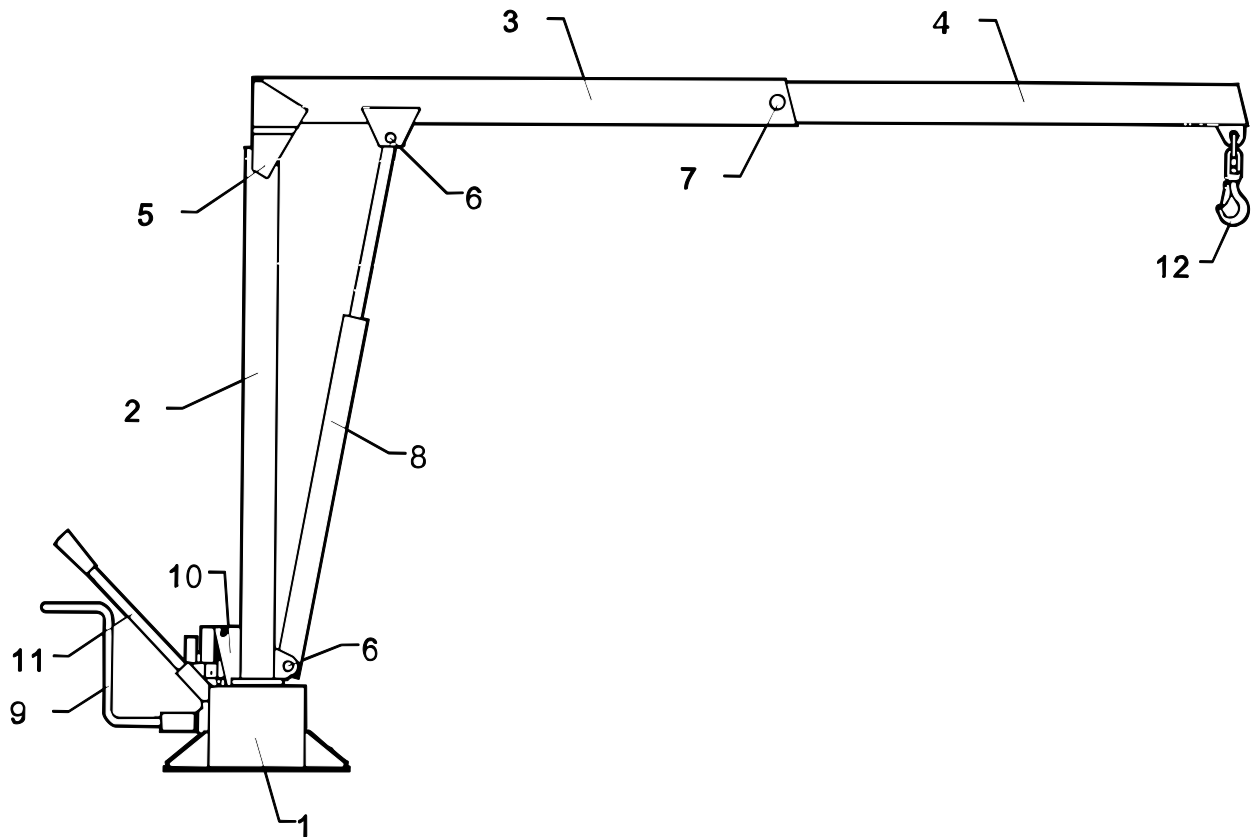
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## REVISIONS LIST

| DATE     | LOCATION | DESCRIPTION OF CHANGE                   |
|----------|----------|-----------------------------------------|
| 20030611 | 17       | ADDED DECAL KIT                         |
| 20070228 | COVER    | UPDATED OWNERSHIP STATEMENT             |
| 20111129 |          | ECN 11628 - UPDATED STABILIZER VERBIAGE |
|          |          |                                         |

**CRANE LAYOUT**

1. BASE
2. MAST
3. MAIN BOOM
4. EXTENSION, 80 MM
5. HINGE PIN
6. CYLINDER PIN
7. LOCK PIN
8. BOOM CYLINDER
9. CRANK HANDLE
10. HAND PUMP
11. LEVER
12. HOOK

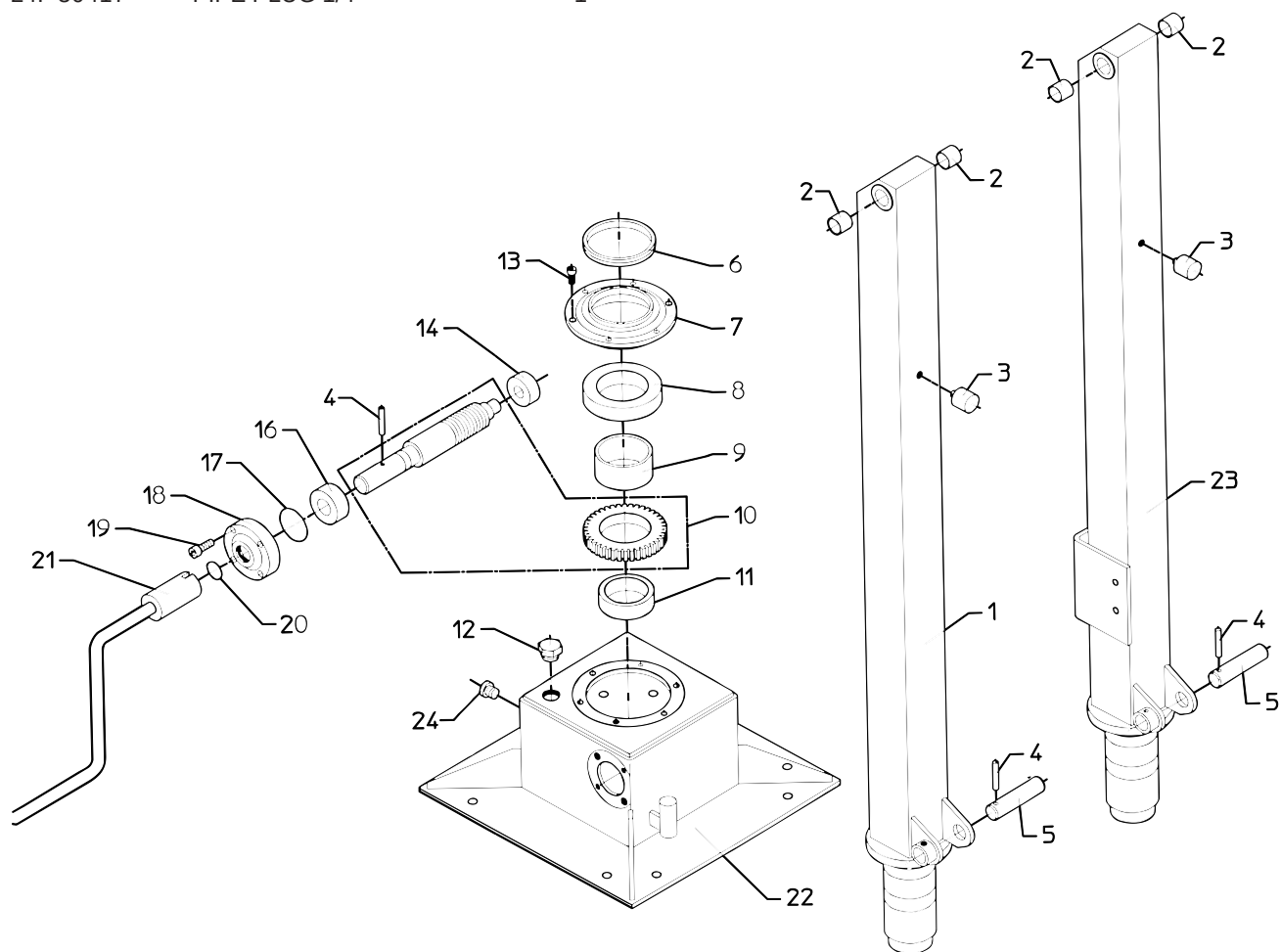


**M-BASE INCLUDING CRANE MAST**

|     |         |                         |     |
|-----|---------|-------------------------|-----|
| 1.  | 1222952 | CRANE MAST (INCL. 6-10) | 1   |
| 2.  | 23388   | BUSHING                 | 2   |
| 3.  | 24115   | RUBBER FUBBER           | 1   |
| 4.  | 31212   | RETAINING PIN Ø6 X 40   | 2   |
| 5.  | 1222974 | PIN                     | 1   |
| 6.  | 21942   | V-RING V-80A            | REF |
| 7.  | 1222323 | FLANGE                  | REF |
| 8.  | 23197   | BALL BEARING            | REF |
| 9.  | 1222714 | SPACER                  | REF |
| 10. | 1222030 | WORM GEAR W/SHAFT       | REF |
| 11. | 23107   | BALL BEARING            | 1   |
| 12. | 25961   | PLUG TCF 1/2"           | 1   |
| 13. | 30424   | SCREW MC 6 X 16         | 6   |
| 14. | 23198   | CONE ROLLER BEARING     | 1   |
| 16. | 23191   | CONE ROLLER BEARING     | 1   |
| 17. | 20233   | O-RING                  | 1   |
| 18. | 1222703 | COVER                   | 1   |
| 19. | 30440   | SCREW MC8 X 25          | 4   |
| 20. | 20174   | O-RING                  | 1   |
| 21. | 1222614 | CRANK HANDLE            | 1   |
| 22. | 1222693 | BASE                    | 1   |
| 23. | 1223493 | CRANE MAST FOR WINCH    | 1   |
| 24. | 30417   | PIPE PLUG 1/4"          | 1   |

**NOTE**

FOR UNITS WITH SERIAL NUMBERS  
ABOVE 9449576

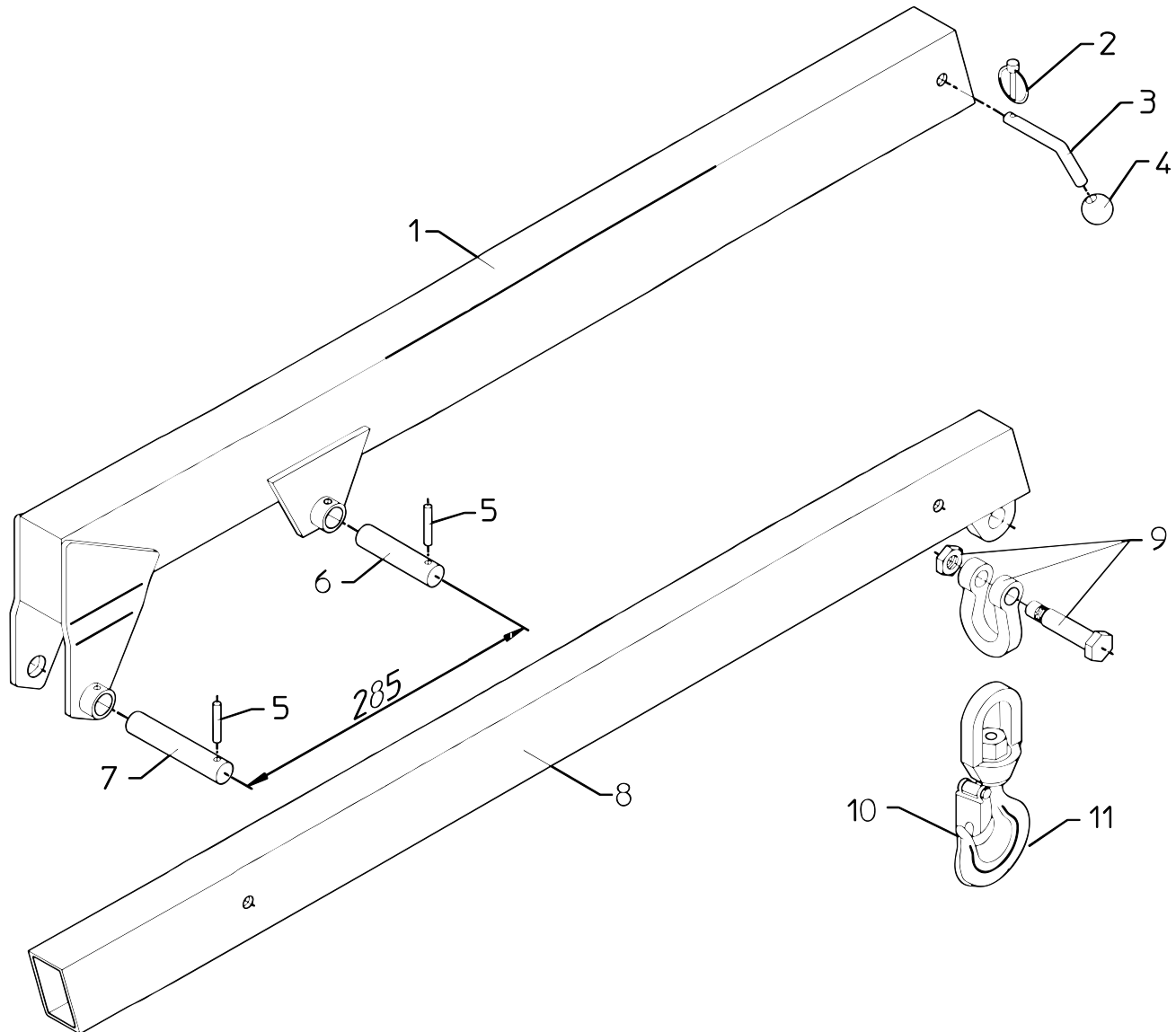


**JIB EXTENSIONS, T**

|     |         |                         |     |
|-----|---------|-------------------------|-----|
| 1.  | 1222962 | MAIN BOOM               | 1   |
| 2.  | 33385   | SPLIT RING Ø4           | 1   |
| 3.  | 1222264 | PIN                     | 1   |
| 4.  | 64256   | BALL W/BUSHING          | 1   |
| 5.  | 31212   | RETAINING PIN Ø6 X 40   | 4   |
| 6.  | 1222974 | PIN                     | 1   |
| 7.  | 1222984 | PIN                     | 1   |
| 8.  | 1222583 | EXTENSION 80 MM         | 1   |
| 9.  | 62129   | SHACKLE SWIVEL 2T. 1/2" | 1   |
| 10. | 62128   | HOOK                    | 1   |
| 11. | 62148   | SAFETY CATCH            | 1   |
|     |         | SAFETY CATCH            | REF |

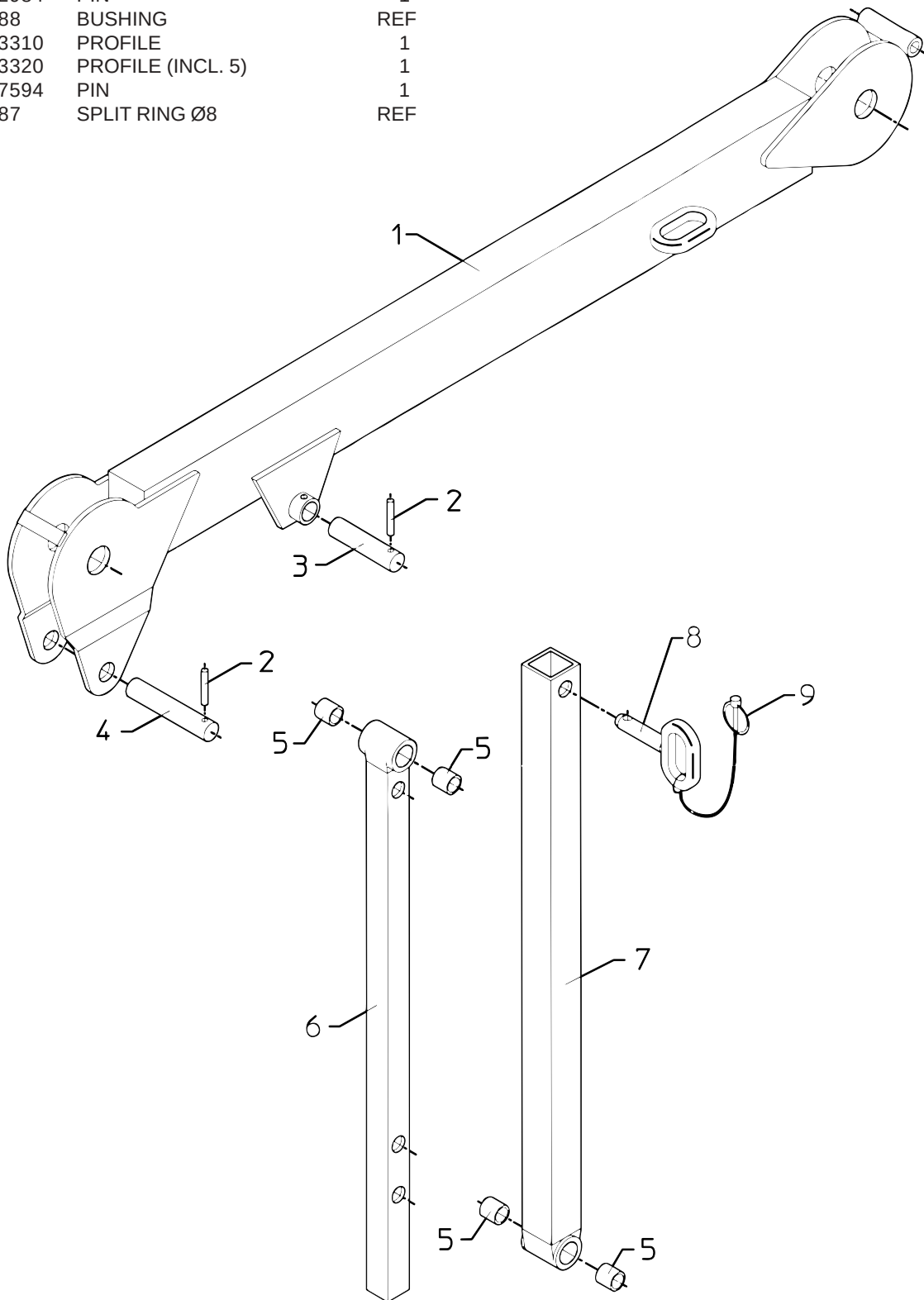
**NOTE**

FOR UNITS WITH SERIAL  
NUMBERS ABOVE 9449576



**JIB EXTENSION FOR WINCH, T0**

|    |         |                       |     |
|----|---------|-----------------------|-----|
| 1. | 1223182 | MAIN BOOM             | 1   |
| 2. | 31212   | RETAINING PIN Ø6 X 40 | 2   |
| 3. | 1222974 | PIN                   | 1   |
| 4. | 1222984 | PIN                   | 1   |
| 5. | 23388   | BUSHING               | REF |
| 6. | 1223310 | PROFILE               | 1   |
| 7. | 1223320 | PROFILE (INCL. 5)     | 1   |
| 8. | 1227594 | PIN                   | 1   |
| 9. | 33387   | SPLIT RING Ø8         | REF |

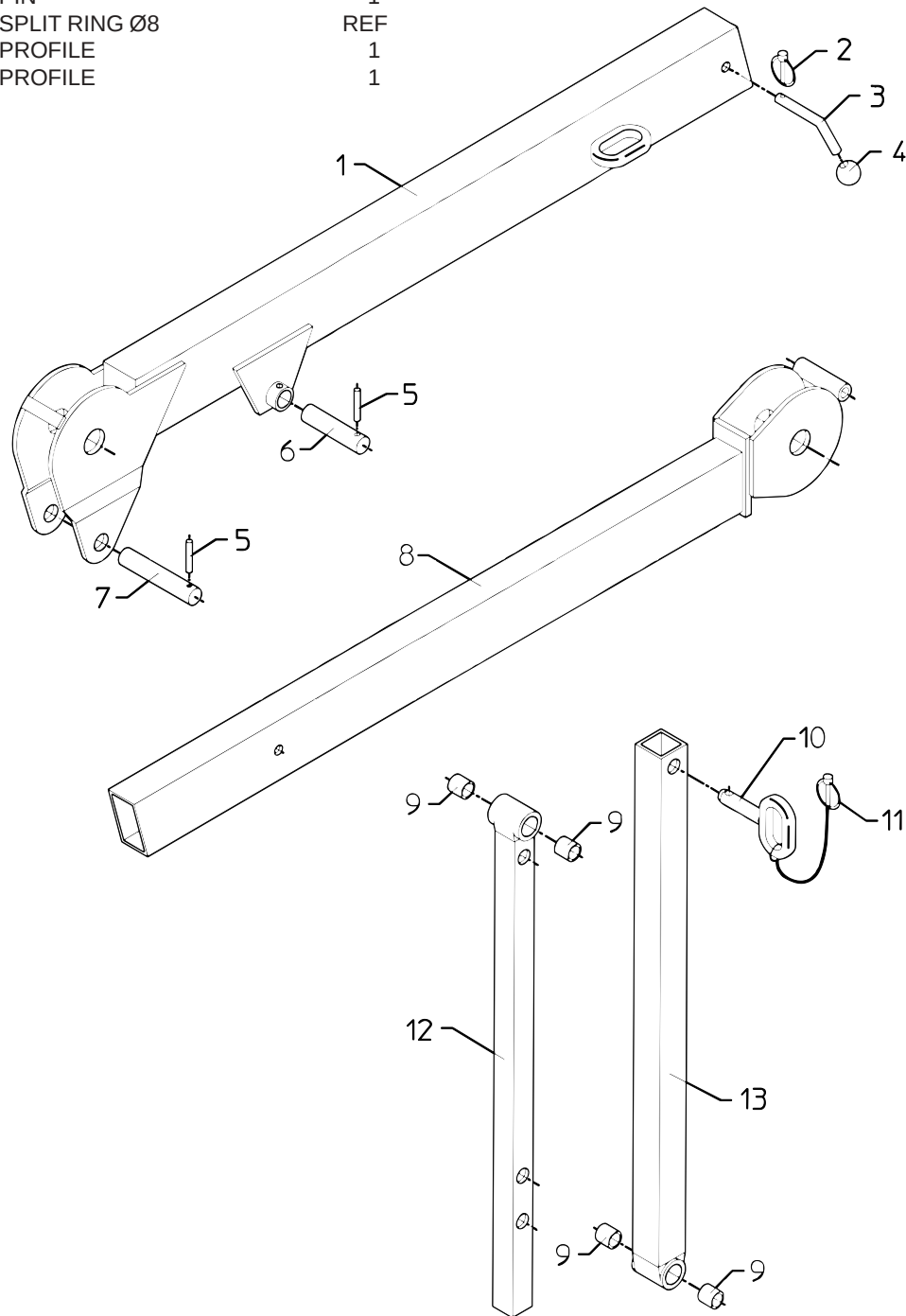


**JIB EXTENSION FOR WINCH, T**

|     |         |                       |     |
|-----|---------|-----------------------|-----|
| 1.  | 1223272 | MAIN BOOM             | 1   |
| 2.  | 33385   | SPLIT RING Ø4         | 1   |
| 3.  | 1222264 | PIN                   | 1   |
| 4.  | 64256   | BALL W/BUSHING        | 1   |
| 5.  | 31212   | RETAINING PIN Ø6 X 40 | 2   |
| 6.  | 1222974 | PIN                   | 1   |
| 7.  | 1222984 | PIN                   | 1   |
| 8.  | 1223233 | MANUAL EXTENSION      | 1   |
| 9.  | 23388   | BUSHING               | REF |
| 10. | 1227594 | PIN                   | 1   |
| 11. | 33387   | SPLIT RING Ø8         | REF |
| 12. | 1223310 | PROFILE               | 1   |
| 13. | 1223320 | PROFILE               | 1   |

**NOTE**

FOR UNITS WITH SERIAL NUMBERS  
BETWEEN 9449576 AND 491302







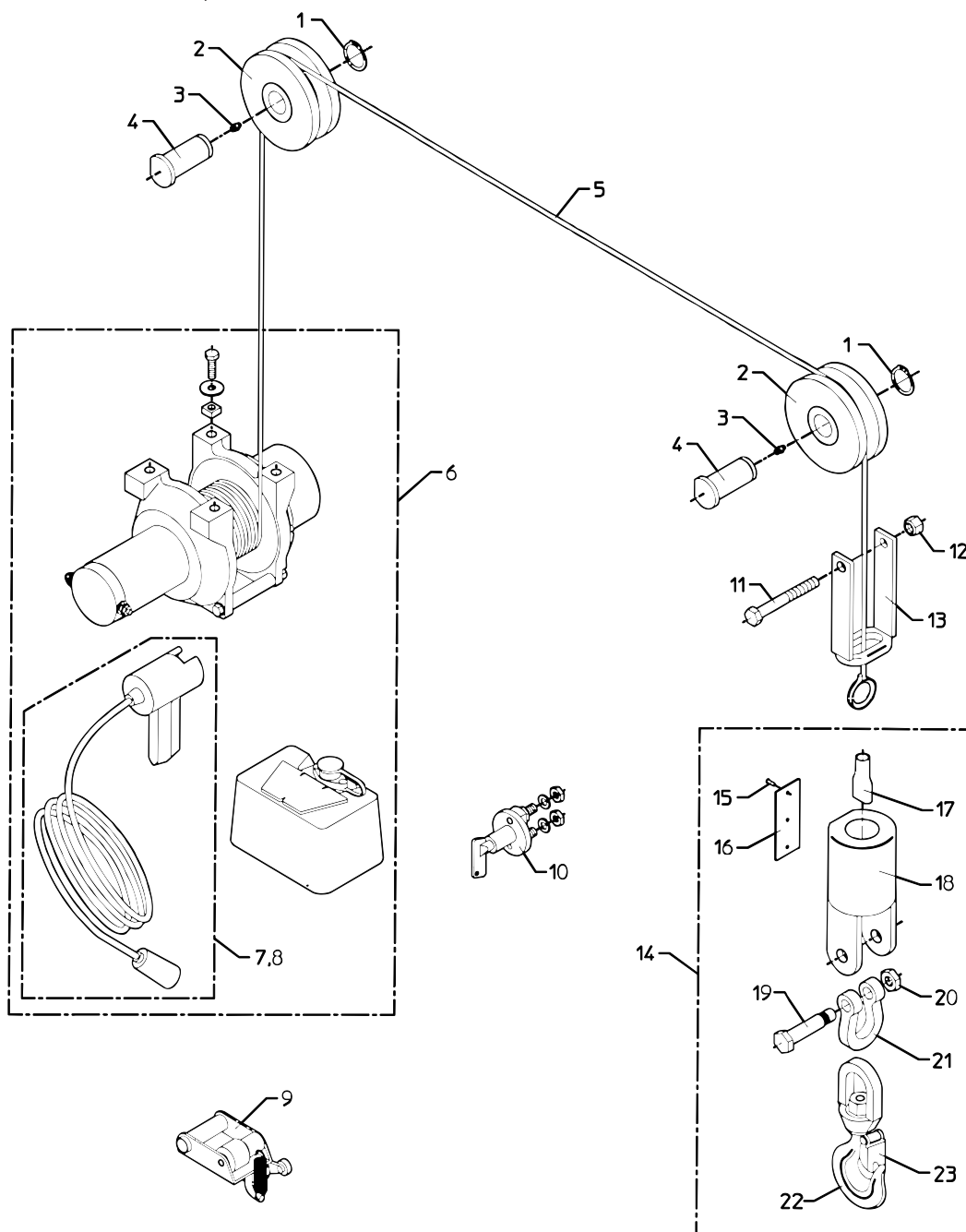
**WINCH**

|     |         |                       |     |
|-----|---------|-----------------------|-----|
| 1.  | 33115   | SNAP RING 30U         | 2   |
| 2.  | 63630   | WIRE SHEAVE           | 2   |
| 3.  | 31329   | LUBRICATOR M6 X 1-0   | 2   |
| 4.  | 1223104 | PIN                   | 2   |
| 5.  | 63188   | WIRE ROPE Ø6 X 7M     | 1   |
| 6.  | 61298   | WINCH 12V             | 1   |
| 7.  | 58214   | REMOTE CONTROL        | REF |
| 8.  | 58215   | REMOTE CONTROL        | REF |
| 9.  | 58249   | STOP FOR WIRE RUN-OUT | 1   |
| 10. | 27331   | SWITCH                | 1   |
| 11. | 30192   | STEEL BOLT M12 X 100  | 1   |
| 12. | 30890   | LOCK NUT M12          | 1   |
| 13. | 1223134 | GUIDE                 | 1   |
| 14. | 1214990 | SWIVEL HOOK, CPL      | 1   |

|     |         |                         |     |
|-----|---------|-------------------------|-----|
| 15. | 31340   | RIVET                   | REF |
| 16. | 64848   | BRASS LABEL             | REF |
| 17. | 63605   | PIPE                    | REF |
| 18. | 1284484 | WEIGHT                  | REF |
| 19. | 30231   | STEEL BOLT M16 X 90     | REF |
| 20. | 30892   | LOCK NUT M16            | REF |
| 21. | 62129   | SHACKLE SWIVEL, 2T 1/2" | REF |
| 22. | 62128   | HOOK SWIVEL 2T          | REF |
| 23. | 62148   | SAFETY CATCH            | REF |

**NOTE**

FOR UNITS WITH SERIAL  
NUMBERS ABOVE 491157

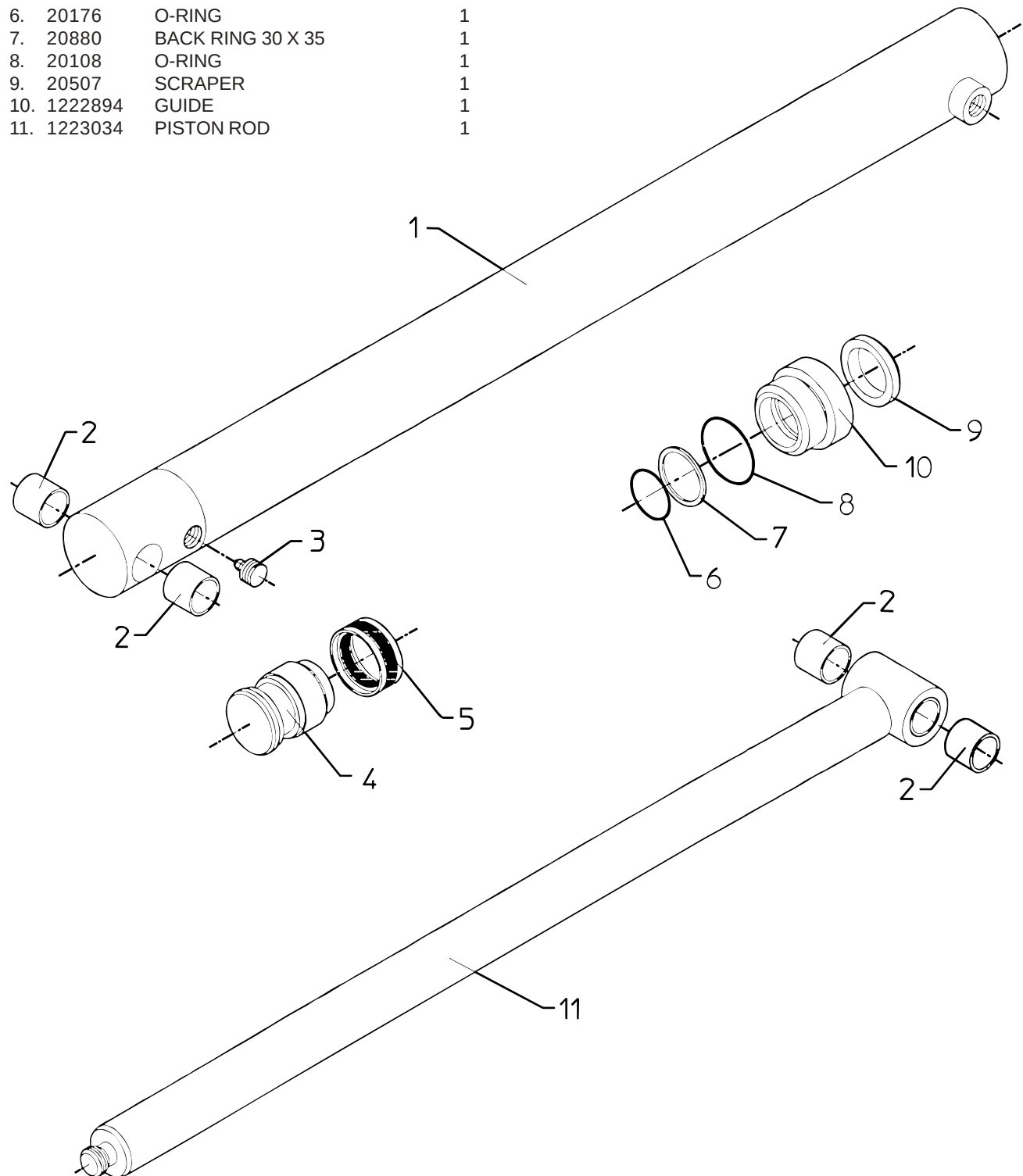


**BOOM CYLINDER, C40-545**

|     |         |                          |   |
|-----|---------|--------------------------|---|
|     | 1223042 | BOOM CYLINDER C40-545    | 1 |
|     | 6892910 | SEAL KIT (INCL. 5-9)     | 1 |
| 1.  | 1223013 | CYLINDER                 | 1 |
| 2.  | 23388   | BUSHING                  | 4 |
| 3.  | 61505   | HOSE-FAILURE VALVE 1/4"  | 1 |
| 4.  | 1241073 | PISTON                   | 1 |
| 5.  | 20779   | DOUBLE SLEEVE 40X30X12.5 | 1 |
| 6.  | 20176   | O-RING                   | 1 |
| 7.  | 20880   | BACK RING 30 X 35        | 1 |
| 8.  | 20108   | O-RING                   | 1 |
| 9.  | 20507   | SCRAPER                  | 1 |
| 10. | 1222894 | GUIDE                    | 1 |
| 11. | 1223034 | PISTON ROD               | 1 |

**NOTE**

FOR UNITS WITH SERIAL  
NUMBERS ABOVE 9449576





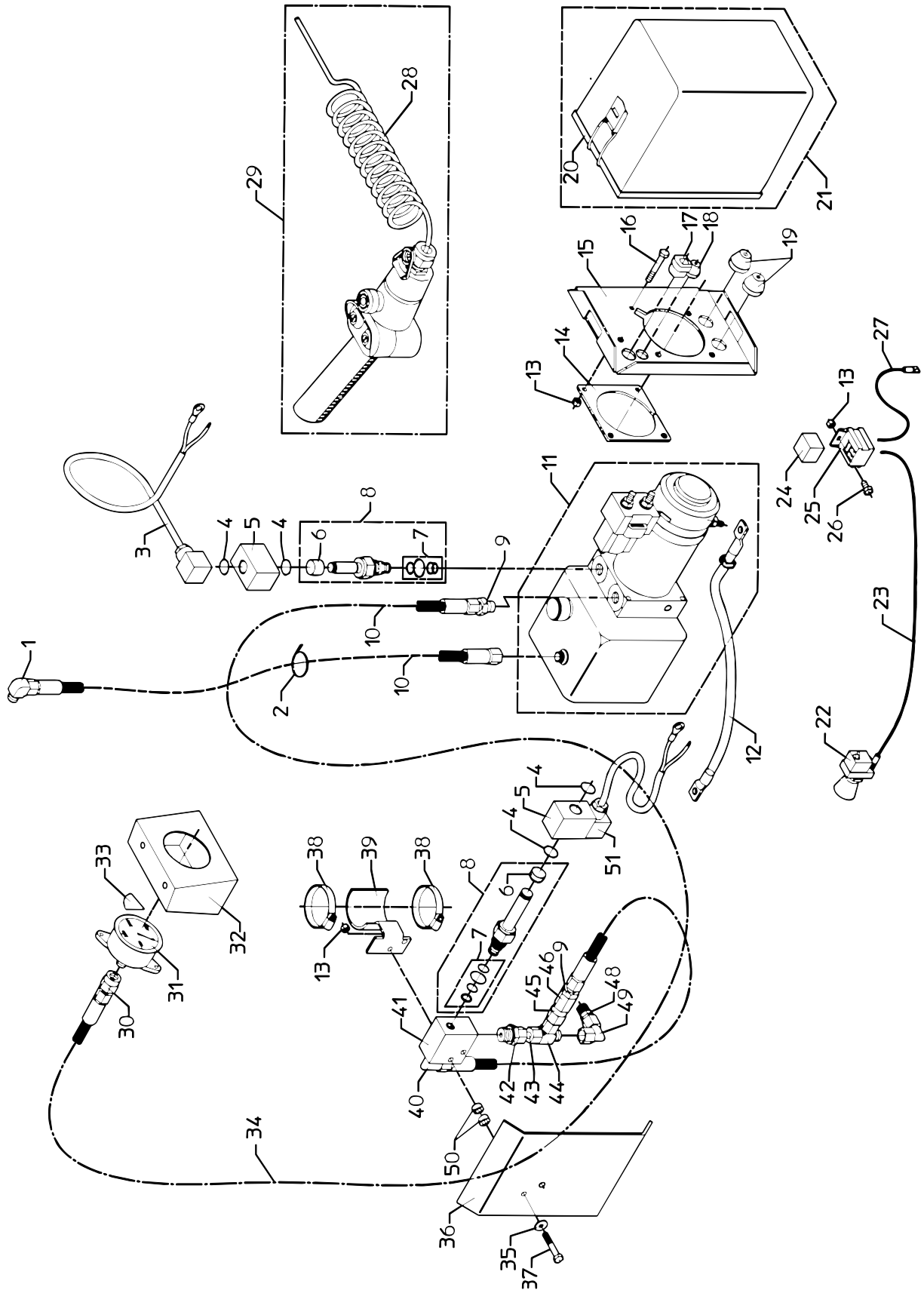
**PUMP & MOTOR (1)****NOTE**

DRAWING ON NEXT PAGE

|     |         |                             |     |
|-----|---------|-----------------------------|-----|
| 1.  | 25117   | CONNECTION                  | 1   |
| 2.  | 27274   | CLIP                        | 5   |
| 3.  | 28669   | CABLE                       | 1   |
| 4.  | 59765   | O-RING                      | REF |
| 5.  | 59762   | MAGNET COIL 12V             | 2   |
| 6.  | 59640   | NUT                         | REF |
| 7.  | 6892820 | SEAL KIT                    | REF |
| 8.  | 59772   | SOLENOID VALVE              | 1   |
| 9.  | 25109   | CONNECTION                  | 2   |
| 10. | 62619   | HOSE 1/4" X 1500 O/O        | 2   |
| 11. | 61934   | POWER PACK, CPL             | 1   |
| 12. | 28947   | GROUNDING CALBE, 24V        | 1   |
| 13. | 30884   | LOCK NUT M6                 | 7   |
| 14. | 66131   | SPACER                      | 1   |
| 15. | 66130   | PLATE                       | 1   |
| 16. | 30118   | STEEL BOLT M6 X 45          | 4   |
| 17. | 27950   | CABLE LEAD-IN               | 1   |
| 18. | 27967   | PACKING GLAND               | 1   |
| 19. | 27971   | PACKING GLAND               | 2   |
| 20. | 46524   | RUBBER SEAL, .7M            | 1   |
| 21. | 1223613 | COVER                       | 1   |
| 22. | 27383   | SWITCH                      | 1   |
| 23. | 28613   | CABLE                       | 1   |
| 24. | 27340   | RELAY 12V                   | 1   |
| 25. | 27380   | RELAY SOCKET                | 1   |
| 26. | 30111   | SET SCREW M6 X 12           | 1   |
| 27. | 28649   | CABLE                       | 1   |
| 28. | 27365   | COILED WIRE                 | REF |
| 29. | 28662   | CONTACT BOX                 | 1   |
| 30. | 26106   | CONNECTION                  | 1   |
| 31. | 60931   | PRESSURE GAUGE              | 1   |
| 32. | 66066   | HOUSING                     | 1   |
| 33. | 64618   | PRESSURE GAUGE LABEL        | 1   |
| 34. | 62488   | HOSE 1/4" X 1330 O/V        | 1   |
| 35. | 31134   | WASHER 6MM                  | 2   |
| 36. | 1223763 | PROTECTIVE PLATE            | 1   |
| 37. | 30119   | STEEL BOLT M6 X 50          | 2   |
| 38. | 31401   | CLIP HS36                   | 2   |
| 39. | 1223753 | FITTINGS                    | 1   |
| 40. | 25922   | CONNECTION                  | 1   |
| 41. | 59771   | VALVE HOUSING               | 1   |
| 42. | 25244   | CONNECTION                  | 1   |
| 43. | 1223794 | PIPE                        | 1   |
| 44. | 25249   | CONNECTION                  | 1   |
| 45. | 26370   | CONNECTION                  | 1   |
| 46. | 59012   | CONNECTION 1 L/MIN, 185 BAR | 1   |
| 48. | 25112   | CONNECTION                  | 1   |
| 49. | 25248   | CONNECTION                  | 1   |
| 50. | 1214014 | WASHER                      | 2   |
| 51. | 28694   | CABLE                       | 1   |

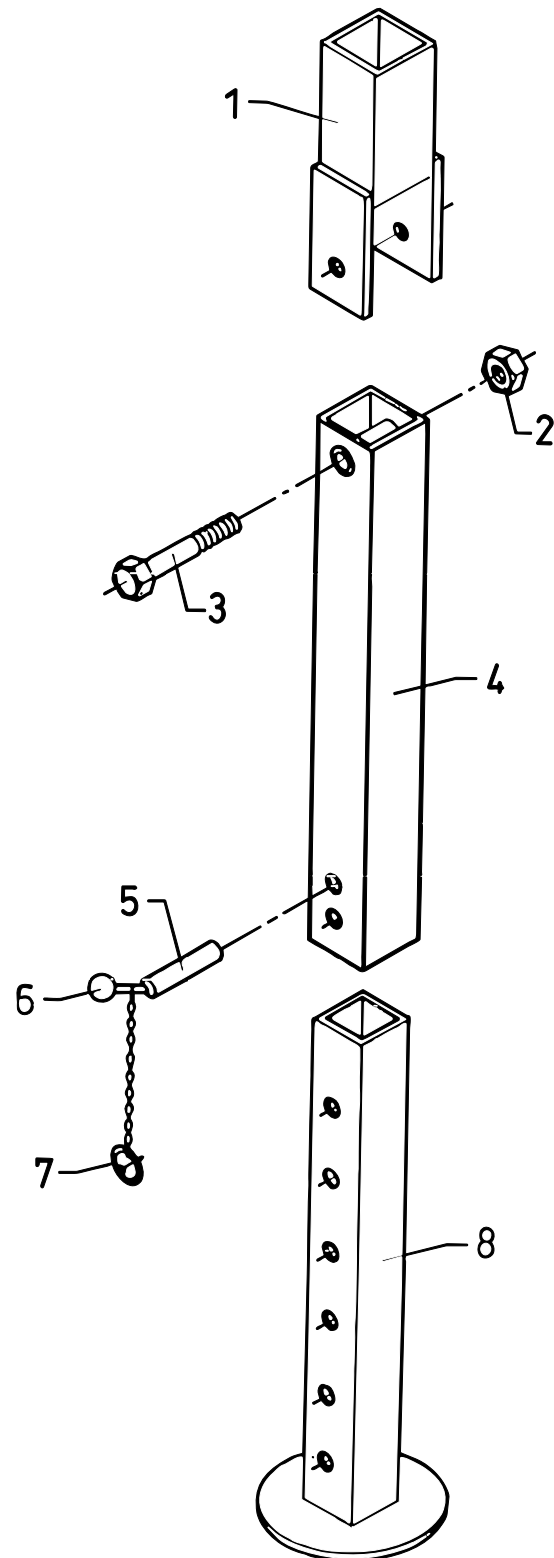
**PUMP & MOTOR (2)****NOTE**

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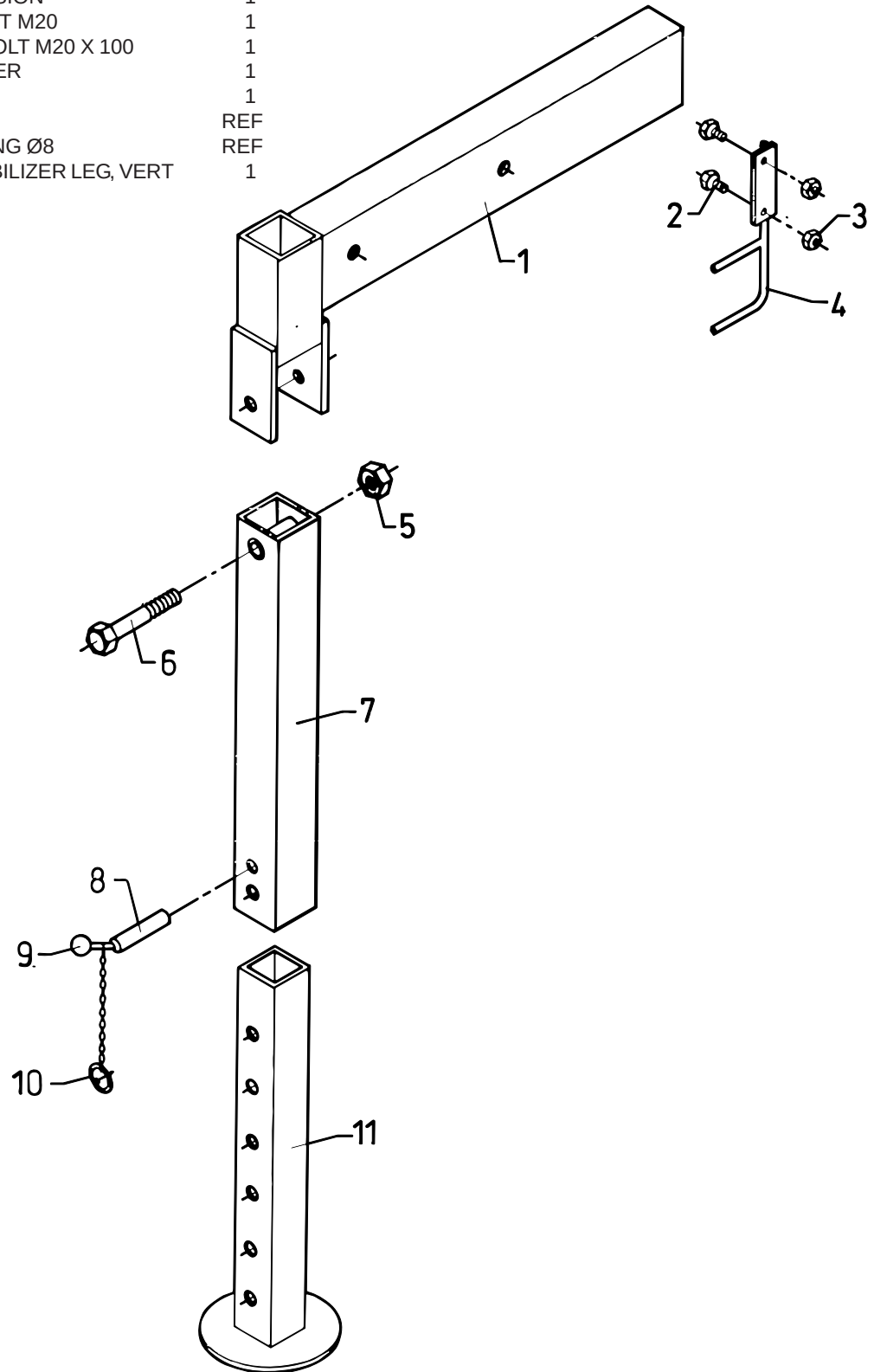
**STABILIZER LEG, MECHANICAL**

|    |         |                           |     |
|----|---------|---------------------------|-----|
|    | 1214250 | STABILIZER, CPL           | 1   |
| 1. | 1214264 | HOUSING                   | 1   |
| 2. | 30894   | LOCK NUT M20              | 1   |
| 3. | 30253   | STEEL BOLT M20 X 100      | 1   |
| 4. | 1220934 | STABILIZER                | 1   |
| 5. | 1225874 | BOLT                      | 1   |
| 6. | 64262   | BALL Ø32 X 10 MM          | REF |
| 7. | 33387   | SPLIT RING Ø8             | REF |
| 8. | 1220974 | EXT. STABILIZER LEG, VERT | 1   |



# **STABILIZER LEG, MECHANICAL, PULL-OUT**

|             |                                        |     |
|-------------|----------------------------------------|-----|
| 1210060     | STABILIZER & EXTENSION<br>(INCL. 1-11) | 1   |
| 1. 1220894  | EXT. BEAM, HORIZONTAL                  | 1   |
| 2. 30112    | SET SCREW, M6 X 16                     | 2   |
| 3. 30884    | LOCK NUT M6                            | 2   |
| 4. 1211074  | SUSPENSION                             | 1   |
| 5. 30894    | LOCK NUT M20                           | 1   |
| 6. 30253    | STEEL BOLT M20 X 100                   | 1   |
| 7. 1220934  | STABILIZER                             | 1   |
| 8. 1225874  | BOLT                                   | 1   |
| 9. 64262    | BALL                                   | REF |
| 10. 33387   | SPLIT RING Ø8                          | REF |
| 11. 1220974 | EXT STABILIZER LEG, VERT               | 1   |





**0.5/4 DECAL KIT (95717594)**

- |    |          |                        |   |
|----|----------|------------------------|---|
| 1. | 70029119 | PLACARD, SERIAL NO.    | 1 |
| 2. | 70396142 | DECAL, I.D. 0.5/4      | 2 |
| 3. | 70396145 | DECAL, CP 0.5/4        | 2 |
| 4. | 70396021 | DECAL, MADE IN DENMARK | 1 |



70396142 (2)

70396142 (2)

70029119

70396021

**IOWA MOLD TOOLING CO., INC.**

**BOX 189, GARNER, IA 50438-0189  
641-923-3711**

**MANUAL PART NO: 99903420**