

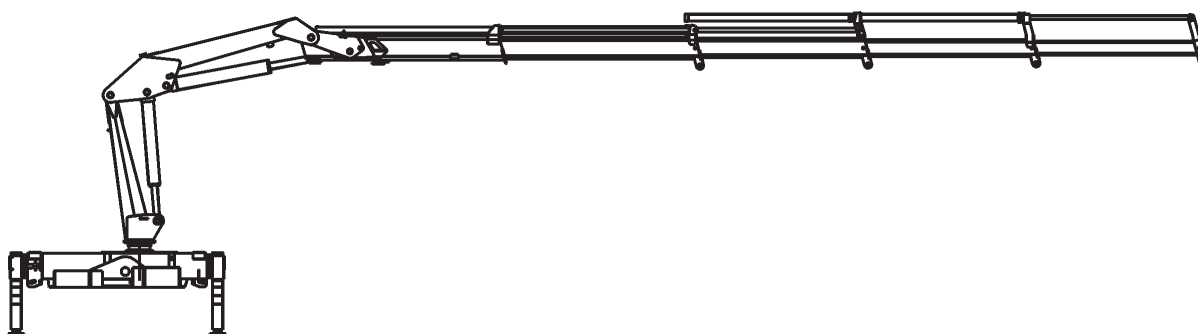


5/33: 99904675: 20111213

# IMT

## MATERIAL HANDLING SYSTEMS

### Repair Parts *Model 5/33 Crane*



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

BOX 189, GARNER, IA 50438-0189

641-923-3711

TECHNICAL SUPPORT FAX: 641-923-2424

MANUAL PART NUMBER: 99904675

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



PARTS-2

## REVISIONS LIST

| DATE     | LOCATION   | DESCRIPTION OF CHANGE                  |
|----------|------------|----------------------------------------|
| 20091204 | THROUGHOUT | UPDATE FITTINGS, HOSES                 |
| 20100216 | 31         | ADDED RUBBER BOOT TO M50CONTROL VALVE  |
| 20111213 |            | ECN 11628 - UPDATED STABILIZER WORDING |



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PARTS-3

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## INTRODUCTION

### GENERAL

This manual contains the parts drawings with accompanying parts lists for the assemblies used on this crane. These drawings are intended to be used in conjunction with the instructions found in the Instruction Manual.

### WARNING

DO NOT ATTEMPT TO REPAIR ANY COMPONENT WITHOUT READING THE INFORMATION CONTAINED IN THE INSTRUCTION MANUAL. PAY PARTICULAR ATTENTION TO THE WARNINGS, CAUTIONS AND NOTES CONTAINED IN THAT MANUAL. FAILURE TO COMPLY WITH THESE INSTRUCTIONS MAY RESULT IN DAMAGE TO THE EQUIPMENT, AN INJURY OR EVEN DEATH.

### CRANE IDENTIFICATION

Every crane has a serial number placard attached to the mast. When ordering parts, communicating warranty information or referring to the unit in correspondence, always include the assigned serial number and model number as shown on the serial number placard.

|                                                                      |  |
|----------------------------------------------------------------------|--|
| <b>IOWA MOLD TOOLING CO., INC.</b><br>BOX 189, GARNER, IA 50438-0189 |  |
| MODEL<br>NUMBER                                                      |  |
| SERIAL<br>NUMBER                                                     |  |
| MFG<br>DATE                                                          |  |
| 700291119                                                            |  |

**SERIAL NUMBER PLACARD**

### ORDERING REPAIR PARTS

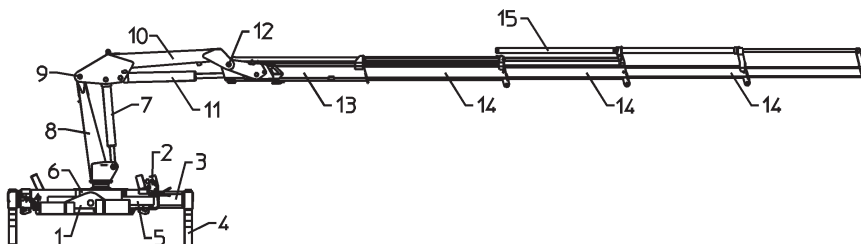
When ordering replacement parts:

1. Give the model number of the unit.
2. Give the serial number of the unit.
3. Specify the complete part number. When ordering complete cylinders or assemblies, identify the cylinder or assembly by name.
4. Give a complete description of the part.
5. Specify the quantity required.

All inquiries should be addressed to:

**Iowa Mold Tooling Co., Inc.**  
**Box 189, Garner, IA 50438-0189**  
**Telephone: 641-923-3711**  
**Technical Support Fax: 641-923-2424**

1. Suspension traverse
2. Control valve block
3. Stabilizer beam
4. Stabilizer leg
5. Rotation/Slewing cylinder
6. Base
7. Inner/Boom cylinder
8. Mast/Column
9. Hinge pin
10. Inner/Main boom
11. Outer/Jib cylinder
12. Outer/Jib pin
13. Outer boom/Jib
14. Extension boom
15. Extension cylinder



**COMPONENT REFERENCE**

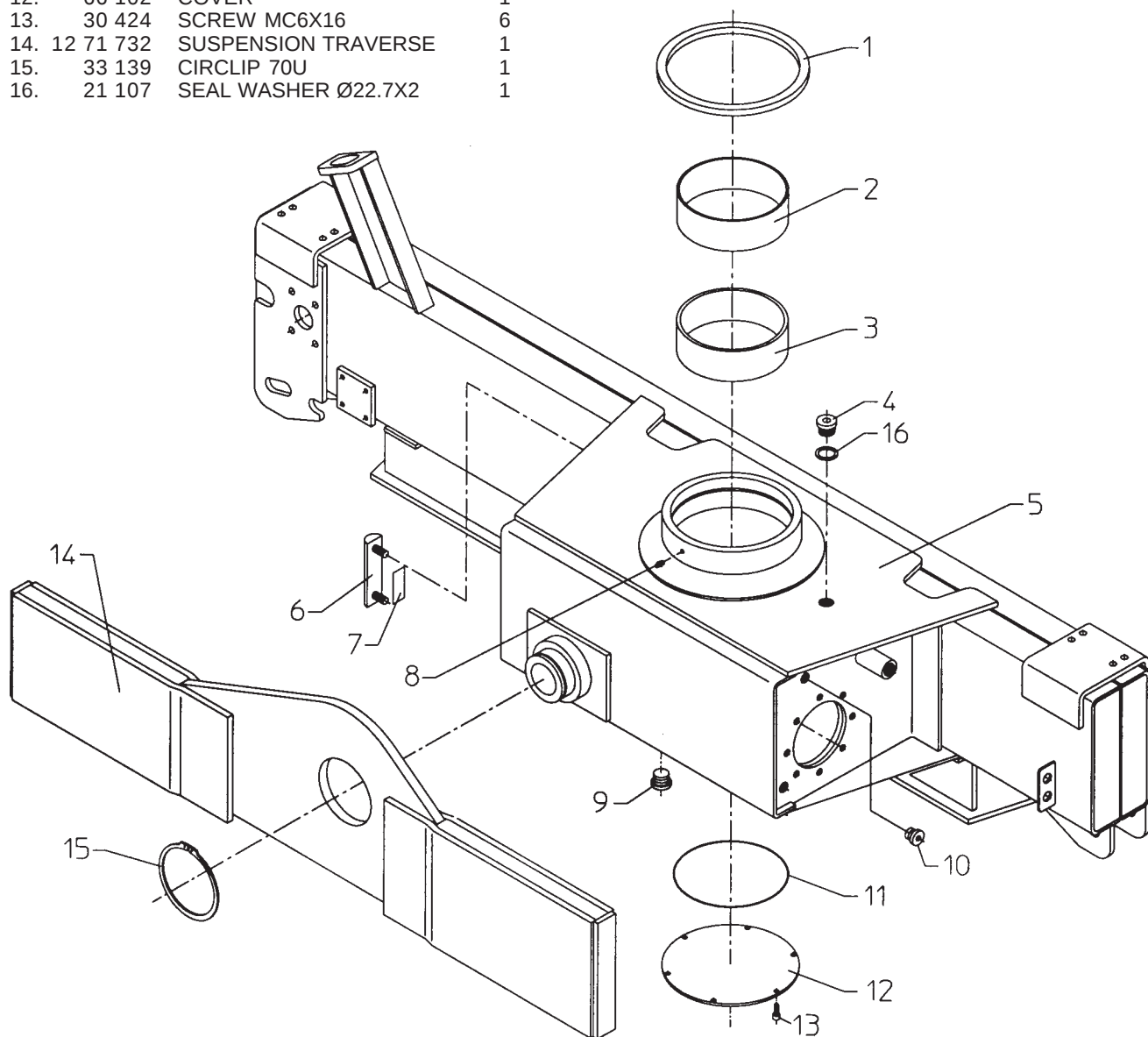


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PARTS-5

**BASE**

|     |           |                     |   |
|-----|-----------|---------------------|---|
| 1.  | 13 00 664 | BEARING             | 1 |
| 2.  | 13 00 654 | BEARING             | 1 |
| 3.  | 23 915    | BUSHING             | 1 |
| 4.  | 26 155    | PLUG M22X1.5        | 1 |
| 5.  | 13 12 112 | BASE                | 1 |
| 6.  | 60 957    | OIL LEVEL INDICATOR | 1 |
| 7.  | 65 735    | LABEL               | 1 |
| 8.  | 31 329    | ZERK M6X1-0         | 1 |
| 9.  | 25 103    | PLUG                | 1 |
| 10. | 25 277    | PLUG                | 1 |
| 11. | 20 201    | O-RING 139.5X3      | 1 |
| 12. | 66 102    | COVER               | 1 |
| 13. | 30 424    | SCREW MC6X16        | 6 |
| 14. | 12 71 732 | SUSPENSION TRAVERSE | 1 |
| 15. | 33 139    | CIRCLIP 70U         | 1 |
| 16. | 21 107    | SEAL WASHER Ø22.7X2 | 1 |



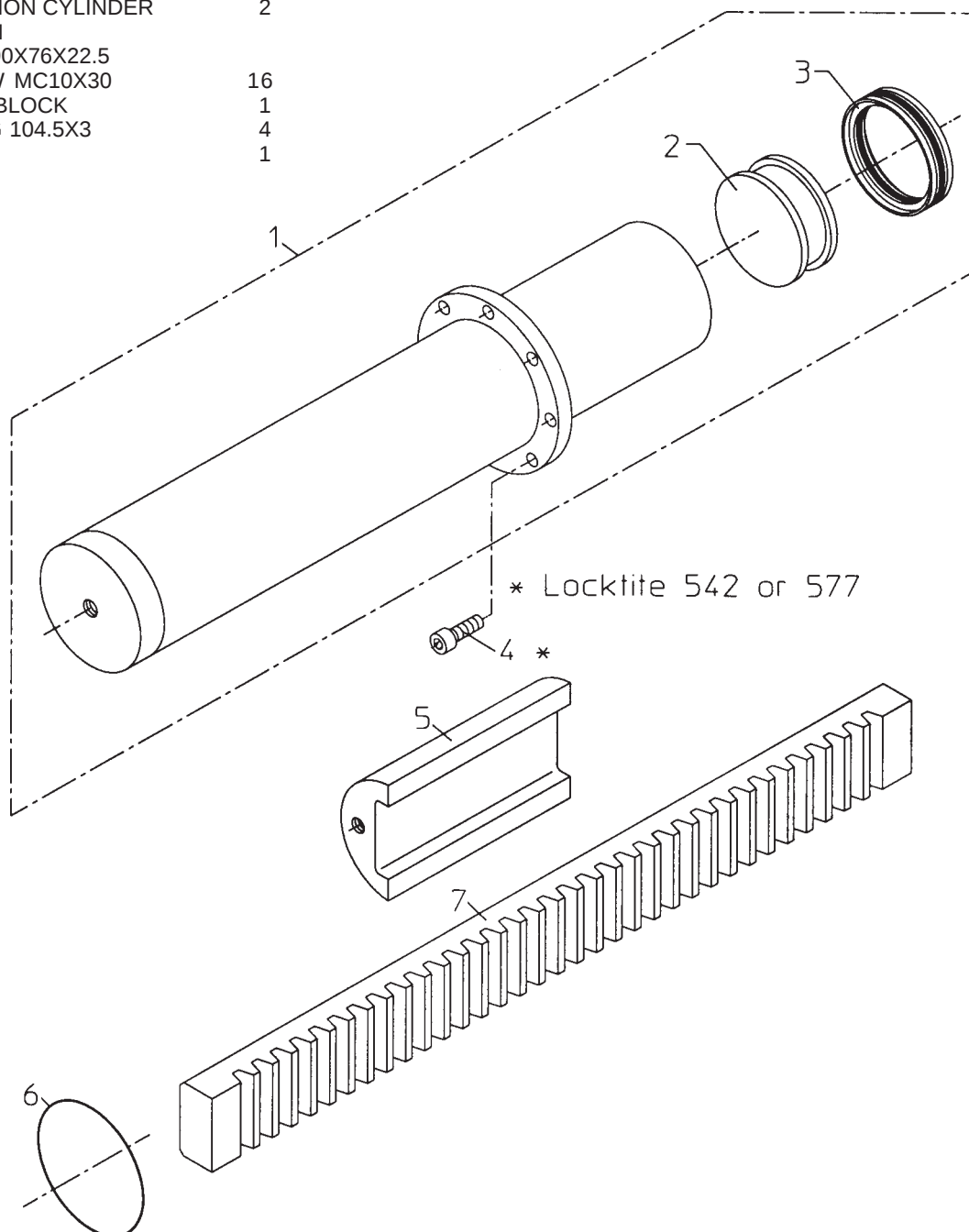


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PARTS-6

**ROTATION (SLEWING) SYSTEM-400°**

|              |                      |     |
|--------------|----------------------|-----|
| 68 92 950    | SEAL KIT (INCL: 3,6) | REF |
| 1. 12 90 564 | ROTATION CYLINDER    | 2   |
| 2. 12 90 574 | PISTON               |     |
| 3. 20 786    | SEAL 90X76X22.5      |     |
| 4. 30 455    | SCREW MC10X30        | 16  |
| 5. 12 90 593 | SLIDE BLOCK          | 1   |
| 6. 20 195    | O-RING 104.5X3       | 4   |
| 7. 12 90 583 | RACK                 | 1   |





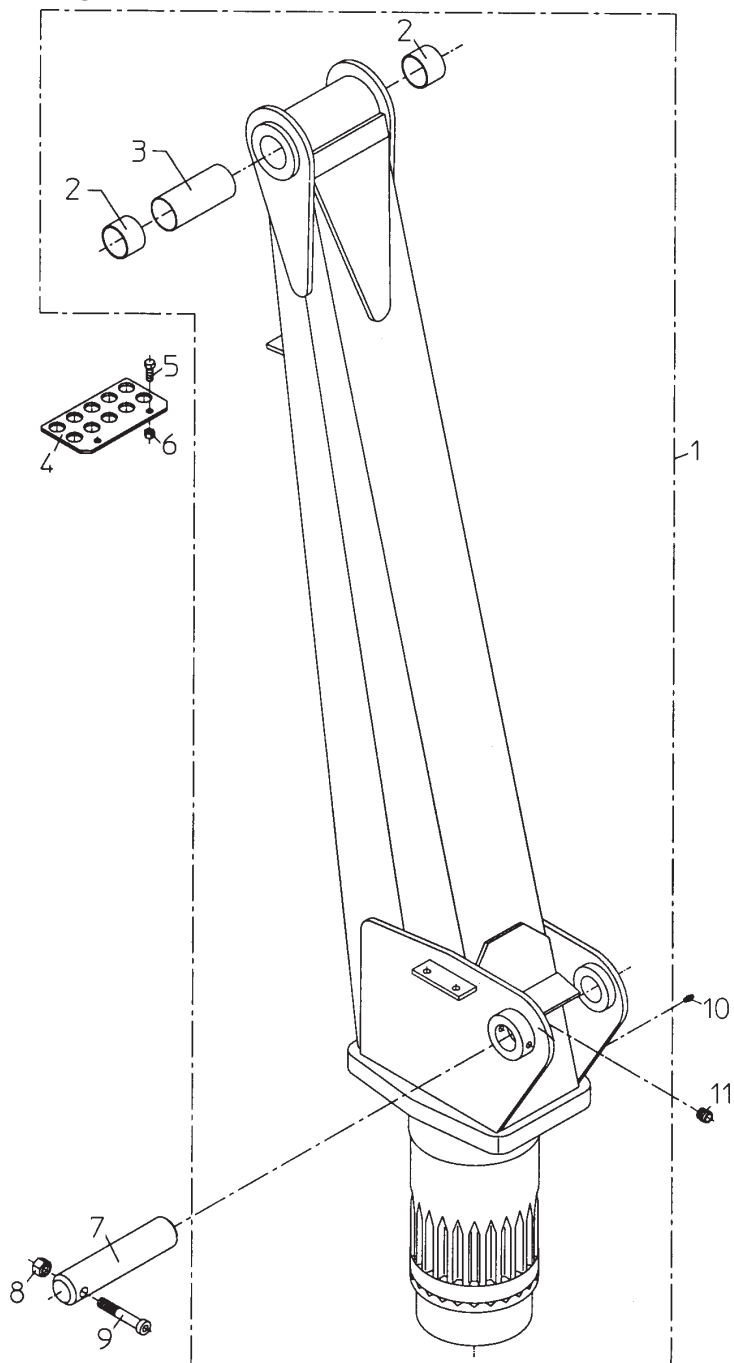
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**MAST (COLUMN)**

|     |           |                 |
|-----|-----------|-----------------|
| 1.  | 13 10 020 | MAST (COMPLETE) |
| 2.  | 23 333    | BUSHING         |
| 3.  | 12 68 094 | DISTANCE RING   |
| 4.  | 66 094    | CLAMP           |
| 5.  | 30 132    | SET SCR M8X20   |
| 6.  | 30 886    | LOCK NUT M8     |
| 7.  | 13 11 724 | PIN             |
| 8.  | 30 890    | LOCK NUT M12    |
| 9.  | 30 963    | SCREW MC12X70   |
| 10. | 31 329    | ZERK M6X1-0     |
| 11. | 59 371    | PLUG M6X1-0     |

**PARTS-7**

- 1
- 1
- 2
- 2
- 1
- 1
- 1
- 1
- 1
- 1



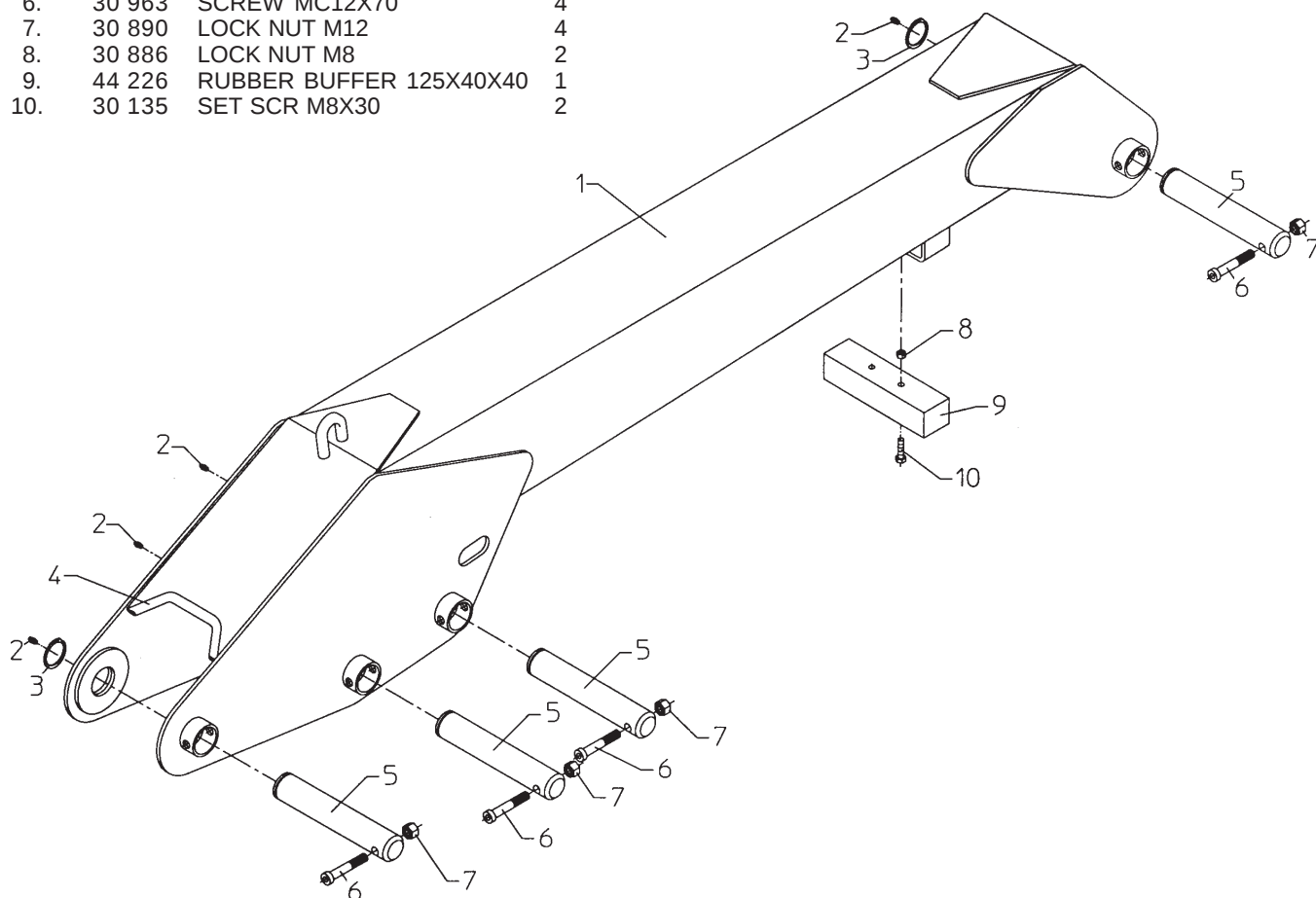


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PARTS-8

**INNER (MAIN) BOOM**

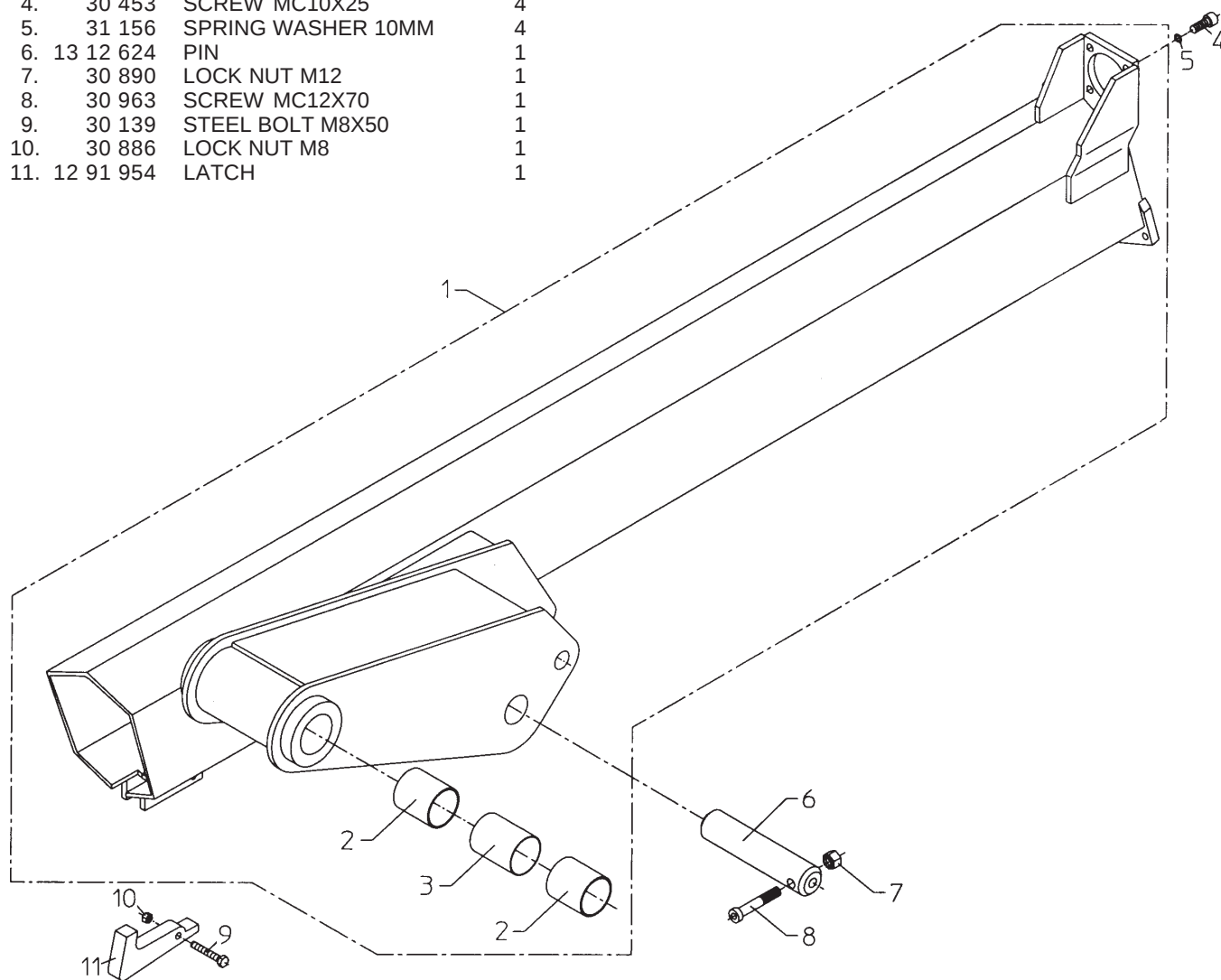
|     |           |                         |   |
|-----|-----------|-------------------------|---|
| 1.  | 13 11 512 | INNER BOOM              | 1 |
| 2.  | 31 329    | ZERK M6X1-0             | 4 |
| 3.  | 33 121    | CIRCLIP 40U             | 2 |
| 4.  | 21 943    | CLAMP PROFILE 176MM     | 1 |
| 5.  | 13 11 734 | PIN                     | 4 |
| 6.  | 30 963    | SCREW MC12X70           | 4 |
| 7.  | 30 890    | LOCK NUT M12            | 4 |
| 8.  | 30 886    | LOCK NUT M8             | 2 |
| 9.  | 44 226    | RUBBER BUFFER 125X40X40 | 1 |
| 10. | 30 135    | SET SCR M8X30           | 2 |





PARTS-9

|     |           |                    |   |
|-----|-----------|--------------------|---|
| 1.  | 13 10 030 | JIB (COMPLETE)     | 1 |
| 2.  | 23 333    | BUSHING PM5060DX   |   |
| 3.  | 12 68 094 | DISTANCE RING      |   |
| 4.  | 30 453    | SCREW MC10X25      | 4 |
| 5.  | 31 156    | SPRING WASHER 10MM | 4 |
| 6.  | 13 12 624 | PIN                | 1 |
| 7.  | 30 890    | LOCK NUT M12       | 1 |
| 8.  | 30 963    | SCREW MC12X70      | 1 |
| 9.  | 30 139    | STEEL BOLT M8X50   | 1 |
| 10. | 30 886    | LOCK NUT M8        | 1 |
| 11. | 12 91 954 | LATCH              | 1 |



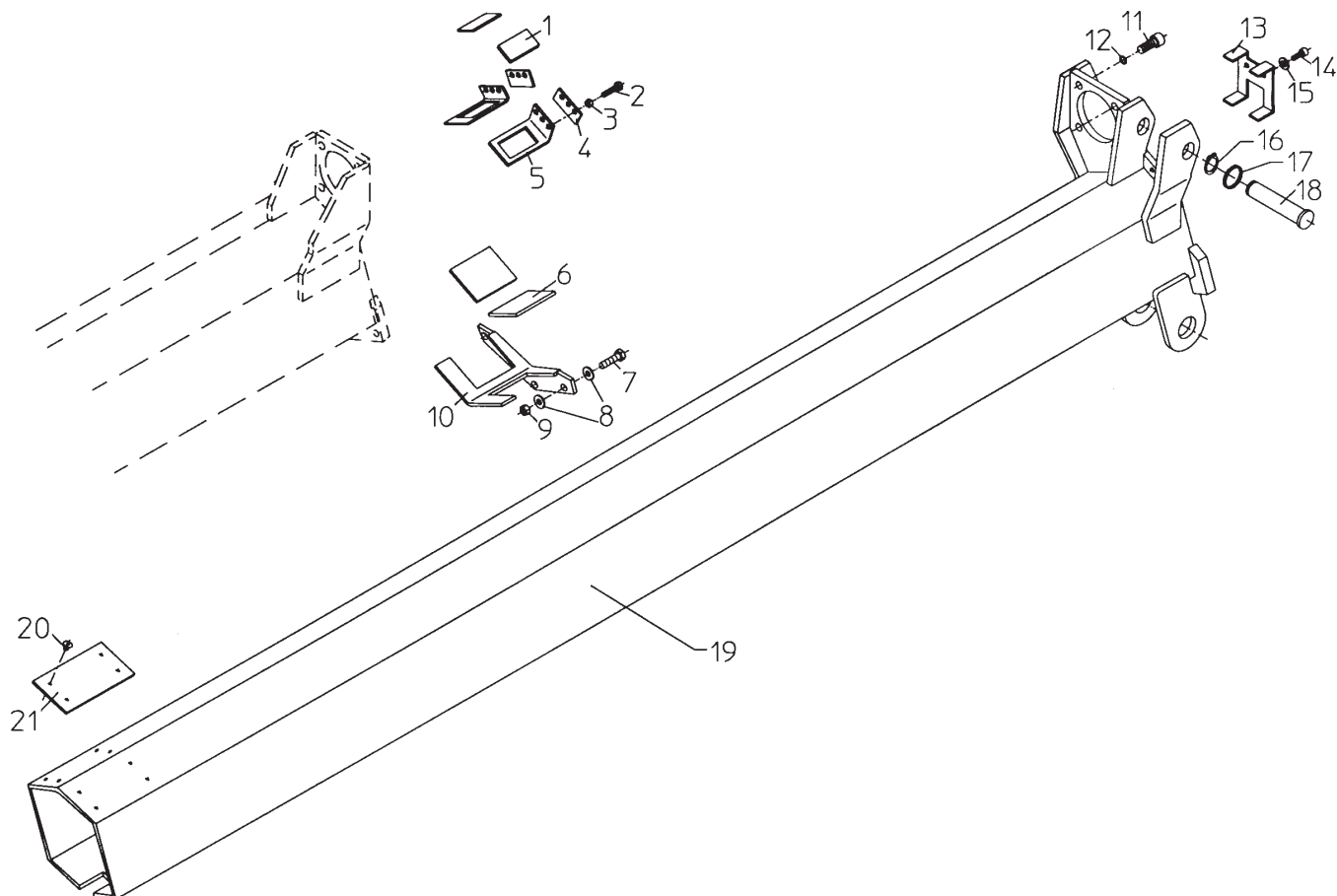


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PARTS-10

**1ST STG EXT BOOM**

|     |           |               |   |     |           |                       |   |
|-----|-----------|---------------|---|-----|-----------|-----------------------|---|
| 1.  | 63 756    | SLIDE BLOCK   | 2 | 12. | 31 156    | SPRING WASHER 10MM    | 4 |
| 2.  | 30 114    | SET SCR M6X25 | 4 | 13. | 66 092    | BRACKET               | 1 |
| 3.  | 30 884    | LOCK NUT M6   | 4 | 14. | 30 424    | SCREW MC6X16          | 2 |
| 4.  | 66 088    | SPACER        | 1 | 15. | 31 154    | SPRING WASHER 6MM     | 2 |
| 5.  | 66 089    | BRACKET       | 2 | 16. | 33 108    | CIRCLIP 20U           | 1 |
| 6.  | 63 752    | SLIDE BLOCK   | 2 | 17. | 31 179    | WASHER 37X21X3        | 1 |
| 7.  | 30 135    | SET SCR M8X30 | 3 | 18. | 12 91 904 | PIN                   | 1 |
| 8.  | 30 136    | WASHER 8MM    | 3 | 19. | 13 10 562 | EXTENSION 193X120MM   | 1 |
| 9.  | 30 886    | LOCK NUT M8   | 3 | 20. | 30 516    | COUNTERSUNK SCR MK6X8 | 8 |
| 10. | 12 91 633 | BRACKET       | 1 | 21. | 63 751    | SLIDE BLOCK           | 2 |
| 11. | 30 453    | SCREW MC10X25 | 4 |     |           |                       |   |



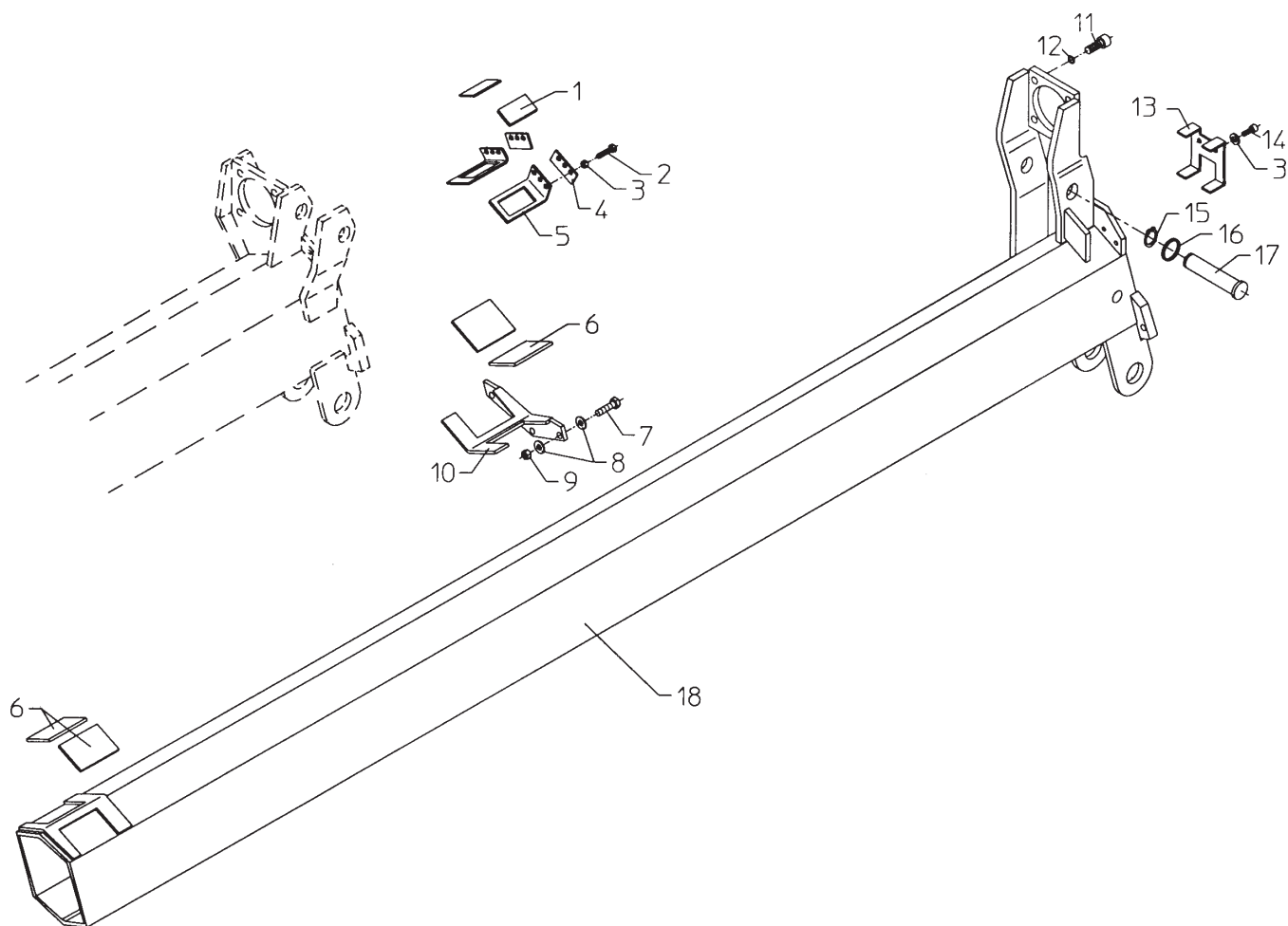


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PARTS-11

**2ND STG EXT BOOM**

|    |        |                   |   |     |           |                     |   |
|----|--------|-------------------|---|-----|-----------|---------------------|---|
| 1. | 63 756 | SLIDE BLOCK       | 2 | 10. | 12 91 643 | BRACKET             | 1 |
| 2. | 30 112 | SET SCR M6X16     | 4 | 11. | 30 453    | SCREW MC10X25       | 4 |
| 3. | 31 154 | SPRING WASHER 6MM | 6 | 12. | 31 156    | SPRING WASHER 10MM  | 4 |
| 4. | 66 088 | SPACER            | 2 | 13. | 66 092    | BRACKET             | 1 |
| 5. | 66 089 | BRACKET           | 2 | 14. | 30 424    | SCREW MC6X16        | 2 |
| 6. | 63 753 | SLIDE BLOCK       | 2 | 15. | 33 108    | CIRCLIP 20U         | 1 |
| 7. | 30 135 | SET SCR M8X30     | 3 | 16. | 31 179    | WASHER 37X21X3      | 1 |
| 8. | 31 136 | WASHER 8MM        | 3 | 17. | 12 91 904 | PIN                 | 1 |
| 9. | 30 886 | LOCK NUT M8       | 3 | 18. | 13 10 582 | EXTENSION 170X100MM | 1 |



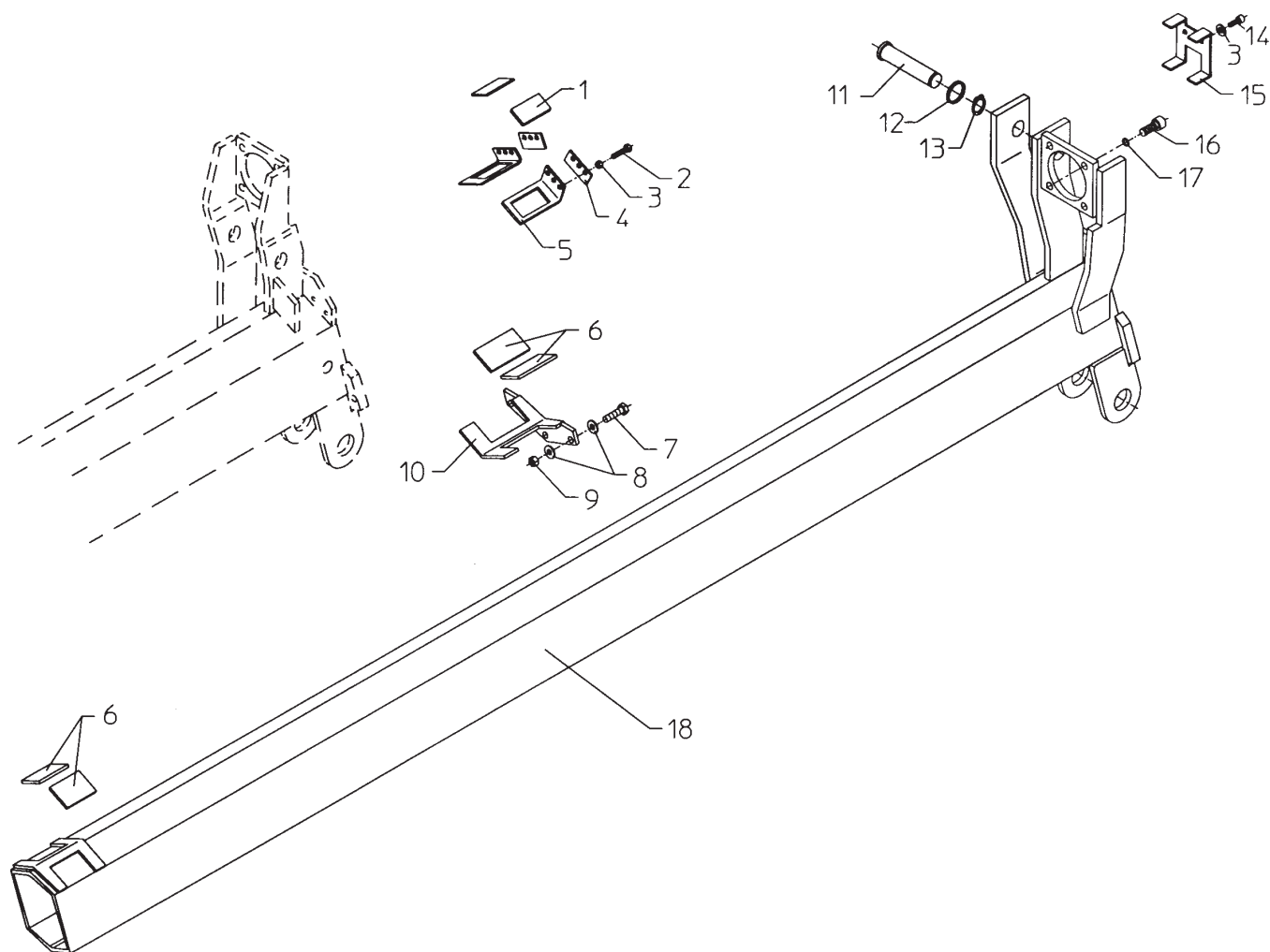


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PARTS-12

**3RD STG EXT BOOM**

|    |        |                   |   |     |           |                    |   |
|----|--------|-------------------|---|-----|-----------|--------------------|---|
| 1. | 63 756 | SLIDE BLOCK       | 2 | 10. | 12 91 653 | BRACKET            | 1 |
| 2. | 30 112 | SET SCR M6X16     | 4 | 11. | 12 91 904 | PIN                | 1 |
| 3. | 31 154 | SPRING WASHER 6MM | 6 | 12. | 31 179    | WASHER 37X21X3     | 1 |
| 4. | 66 088 | SPACER            | 2 | 13. | 33 108    | CIRCLIP 20U        | 1 |
| 5. | 66 089 | BRACKET           | 2 | 14. | 30 424    | SCREW MC6X16       | 2 |
| 6. | 63 754 | SLIDE BLOCK       | 4 | 15. | 66 092    | BRACKET            | 1 |
| 7. | 30 135 | SET SCR M8X30     | 3 | 16. | 31 156    | SPRING WASHER 10MM | 4 |
| 8. | 30 136 | WASHER 8MM        | 3 | 17. | 30 453    | SCREW MC10X25      | 4 |
| 9. | 30 886 | LOCK NUT M8       | 3 | 18. | 13 10 602 | EXTENSION 147X80MM | 1 |



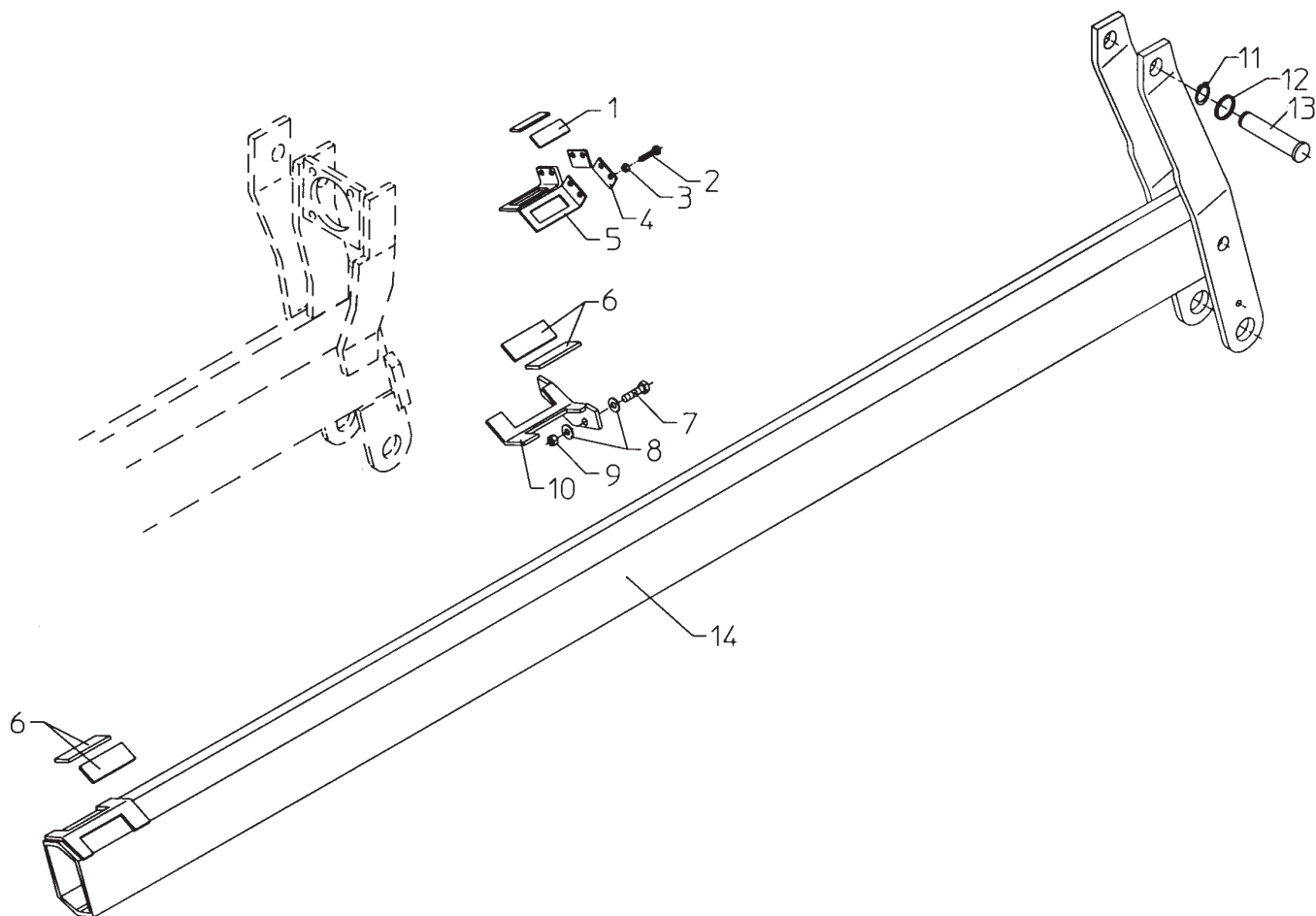


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PARTS-13

**4TH STG EXT BOOM**

|    |        |                   |   |     |           |                    |   |
|----|--------|-------------------|---|-----|-----------|--------------------|---|
| 1. | 63 757 | SLIDE BLOCK       | 2 | 8.  | 31 136    | WASHER 8MM         | 2 |
| 2. | 30 112 | SET SCR M6X16     | 4 | 9.  | 30 886    | LOCK NUT M8        | 2 |
| 3. | 31 154 | SPRING WASHER 6MM | 4 | 10. | 12 91 663 | BRACKET            | 1 |
| 4. | 66 090 | SPACER            | 2 | 11. | 33 108    | CIRCLIP 20U        | 1 |
| 5. | 66 091 | BRACKET           | 2 | 12. | 31 179    | WASHER 37X21X3     | 1 |
| 6. | 63 755 | SLIDE BLOCK       | 4 | 13. | 12 91 904 | PIN                | 1 |
| 7. | 30 135 | SET SCR M8X30     | 2 | 14. | 13 10 622 | EXTENSION 124X60MM | 1 |



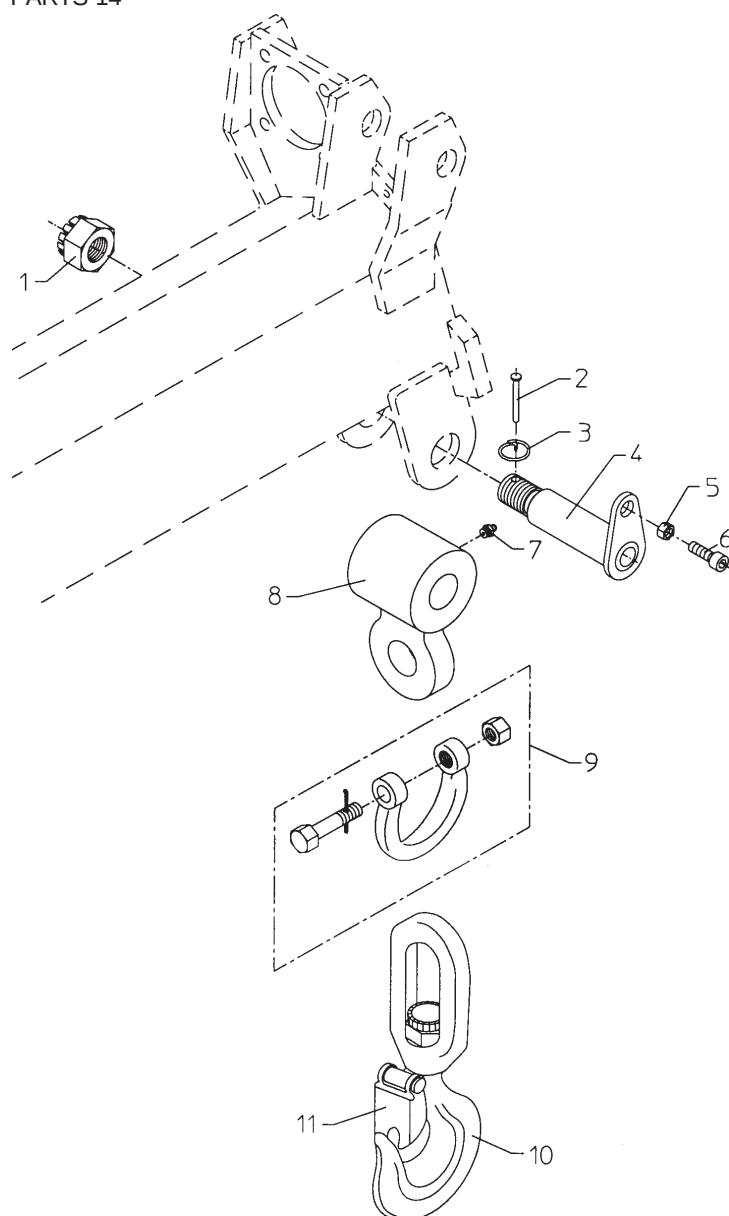


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### HOOK SUSPENSION

|     |           |                     |   |
|-----|-----------|---------------------|---|
| 1.  | 30 837    | NUT M24             | 1 |
| 2.  | 31 280    | COTTER BOLT Ø5X40   | 1 |
| 3.  | 33 458    | LOCK RING-SS        | 1 |
| 4.  | 12 93 124 | PIN                 | 1 |
| 5.  | 30 886    | LOCK NUT M8         | 1 |
| 6.  | 30 438    | SCREW MC8X20        | 1 |
| 7.  | 31 318    | ZERK 1/8"RG-0       | 1 |
| 8.  | 60 82 874 | SUSPENSION WELDMENT | 1 |
| 9.  | 62 115    | SHACKLE SWL 3.25TON | 1 |
| 10. | 62 101    | HOOK 40KN           | 1 |
| 11. | 62 143    | SAFETY LATCH 4.2TON | 1 |

### PARTS-14



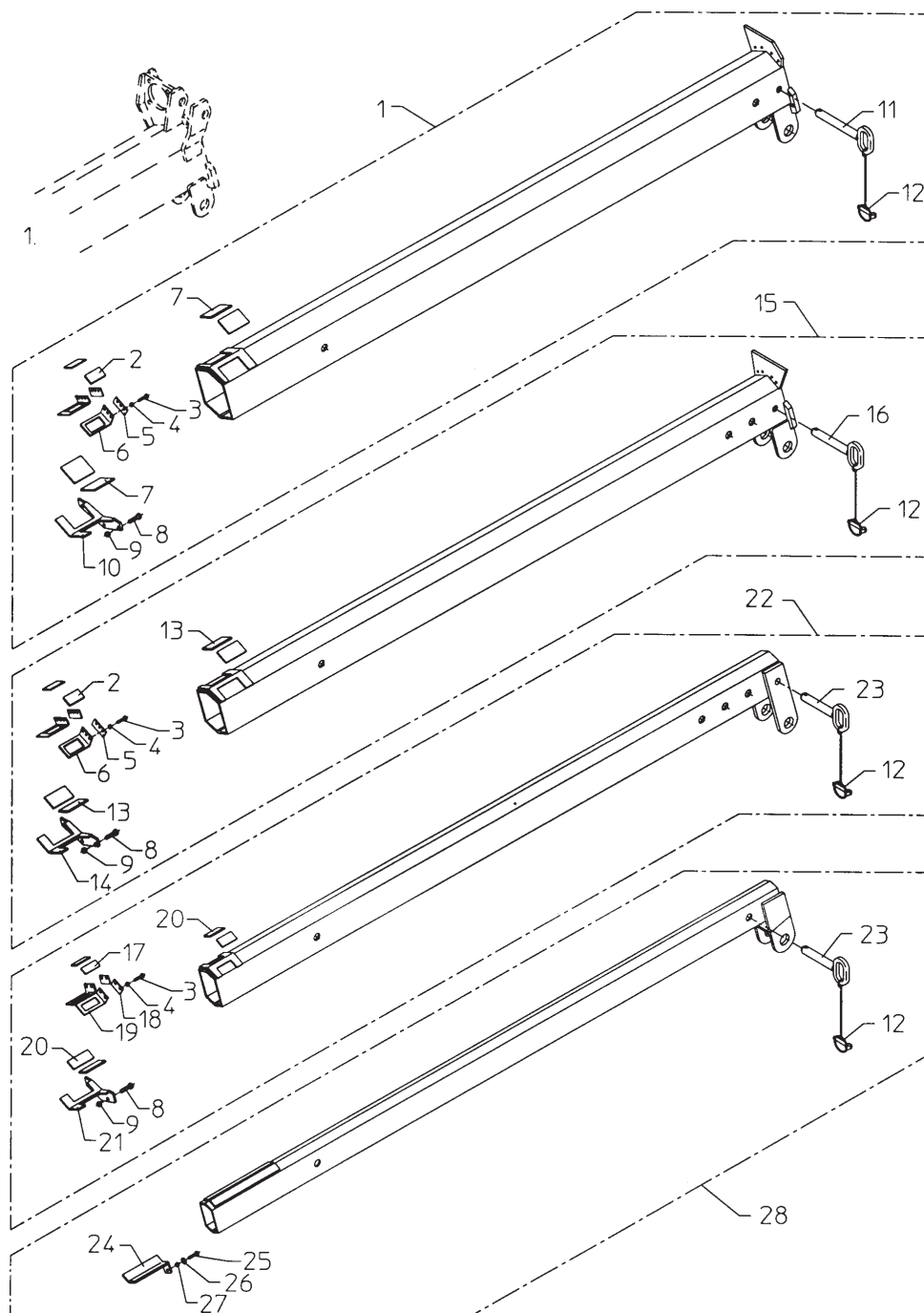


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PARTS-15

**MANUAL EXTENSIONS-1H**

|     |           |                          |   |     |           |                         |   |
|-----|-----------|--------------------------|---|-----|-----------|-------------------------|---|
| 1.  | 13 10 040 | MNL EXT (COMPL)170X100MM | 1 | 15. | 13 10 050 | MNL EXT (COMPL)147X80MM | 1 |
| 2.  | 63 756    | SLIDE BLOCK              |   | 16. | 12 93 584 | PIN                     |   |
| 3.  | 30 112    | SET SCR M6X16            |   | 17. | 63 757    | SLIDE BLOCK             |   |
| 4.  | 31 154    | SPRING WASHER 6MM        |   | 18. | 66 090    | SPACER                  |   |
| 5.  | 66 088    | SPACER                   |   | 19. | 66 091    | BRACKET                 |   |
| 6.  | 66 089    | BRACKET                  |   | 20. | 63 755    | SLIDE BLOCK             |   |
| 7.  | 63 753    | SLIDE BLOCK              |   | 21. | 12 91 663 | BRACKET                 |   |
| 8.  | 30 135    | SET SCR M8X30            |   | 22. | 13 10 060 | MNL EXT (COMPL)124X60MM | 1 |
| 9.  | 30 886    | LOCK NUT M8              |   | 23. | 12 93 574 | PIN                     |   |
| 10. | 12 91 643 | BRACKET                  |   | 24. | 66 093    | BRACKET                 |   |
| 11. | 12 93 594 | PIN                      |   | 25. | 30 114    | SET SCR M6X25           |   |
| 12. | 33 387    | SPLIT RING Ø8            |   | 26. | 31 134    | WASHER 6MM              |   |
| 13. | 63 754    | SLIDE BLOCK              |   | 27. | 30 884    | LOCK NUT M6             |   |
| 14. | 12 91 653 | BRACKET                  |   | 28. | 13 10 070 | MNL EXT (COMPL)101X45MM | 1 |





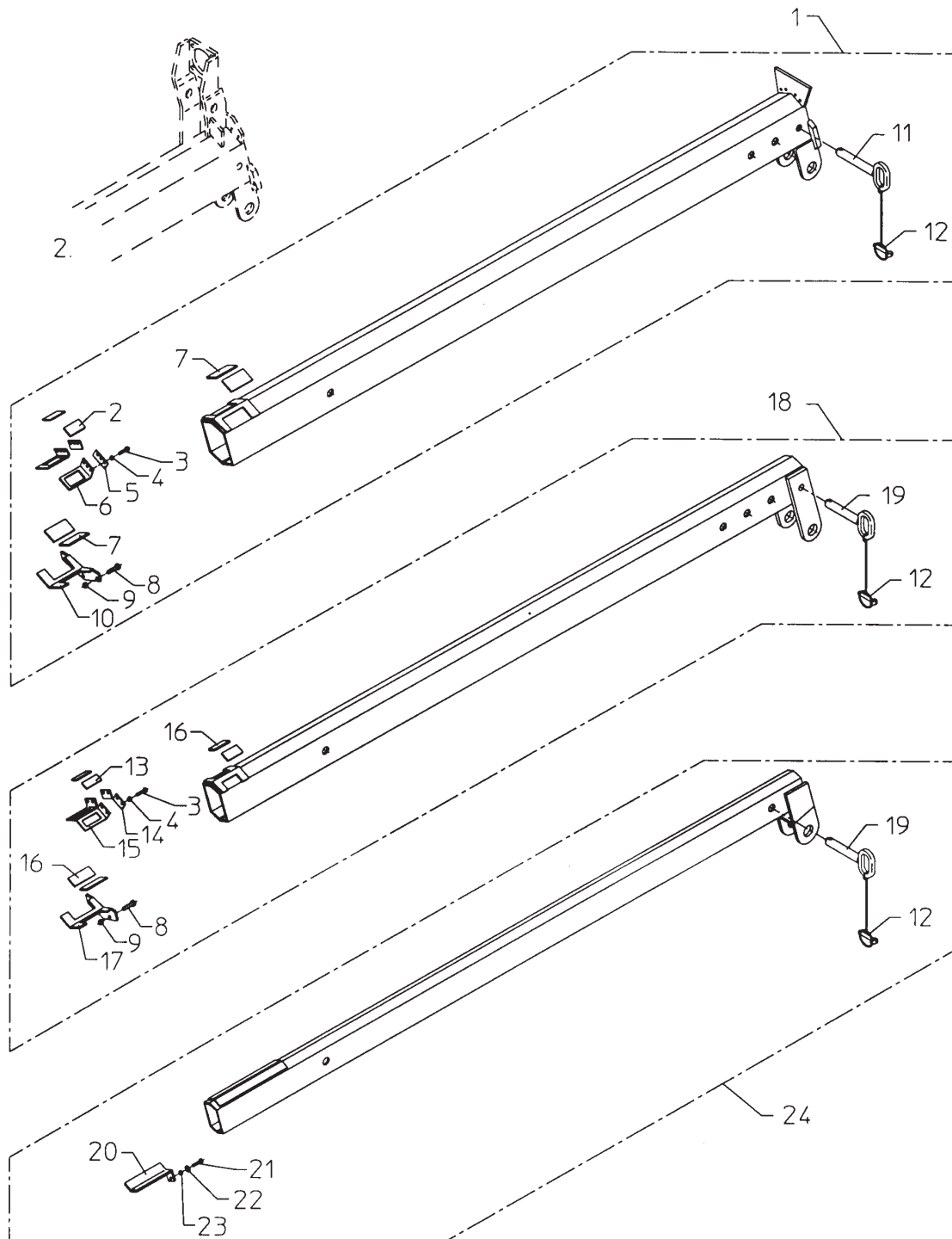
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PARTS-16

**MANUAL EXTENSIONS-2H**

1. 13 10 050 MNL EXT (COMPL)147X80MM 1
2. 63 756 SLIDE BLOCK 4MM
3. 30 112 SET SCR M6X16
4. 31 154 SPRING WASHER 6MM
5. 66 088 SPACER
6. 66 089 BRACKET
7. 63 754 SLIDE BLOCK
8. 30 135 SET SCR M8X30
9. 30 886 LOCK NUT M8
10. 12 91 653 BRACKET
11. 12 93 584 PIN
12. 33 387 SPLIT RING

13. 63 757 SLIDE BLOCK
14. 66 090 SPACER
15. 66 091 BRACKET
16. 63 755 SLIDE BLOCK
17. 12 91 663 BRACKET
18. 13 10 060 MNL EXT (COMPL)124X60MM 1
19. 12 93 574 PIN
20. 66 093 BRACKET
21. 30 114 SET SCR M6X25
22. 31 134 WASHER 6MM
23. 30 884 LOCK NUT M6
24. 13 10 070 MNL EXT (COMPL)101X45MM 1



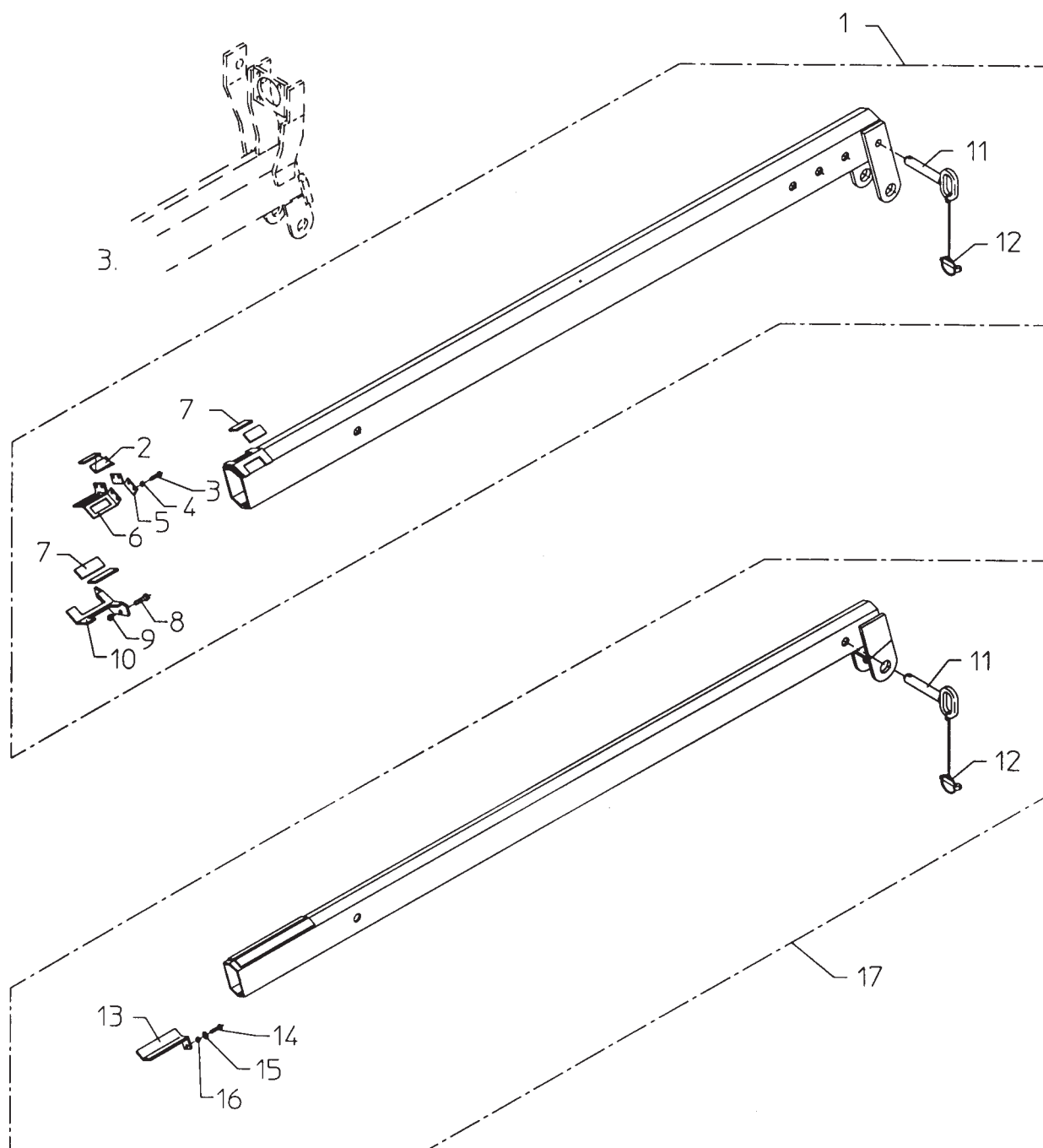


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PARTS-17

**MANUAL EXTENSIONS-3H**

- |    |           |                         |   |     |           |                         |   |
|----|-----------|-------------------------|---|-----|-----------|-------------------------|---|
| 1. | 13 10 060 | MNL EXT (COMPL)124X60MM | 1 | 10. | 12 91 663 | BRACKET                 |   |
| 2. | 63 757    | SLIDE BLOCK             |   | 11. | 12 93 574 | PIN                     |   |
| 3. | 30 112    | SET SCR M6X16           |   | 12. | 33 387    | SPLIT RING Ø8           |   |
| 4. | 31 154    | SPRING WASHER 6MM       |   | 13. | 66 093    | BRACKET                 |   |
| 5. | 66 090    | SPACER                  |   | 14. | 30 114    | SET SCR M6X25           |   |
| 6. | 66 091    | BRACKET                 |   | 15. | 31 134    | WASHER 6MM              |   |
| 7. | 63 755    | SLIDE BLOCK             |   | 16. | 30 884    | LOCK NUT M6             |   |
| 8. | 30 135    | SET SCR M8X30           |   | 17. | 13 10 070 | MNL EXT (COMPL)101X45MM | 1 |
| 9. | 30 886    | LOCK NUT M8             |   |     |           |                         |   |



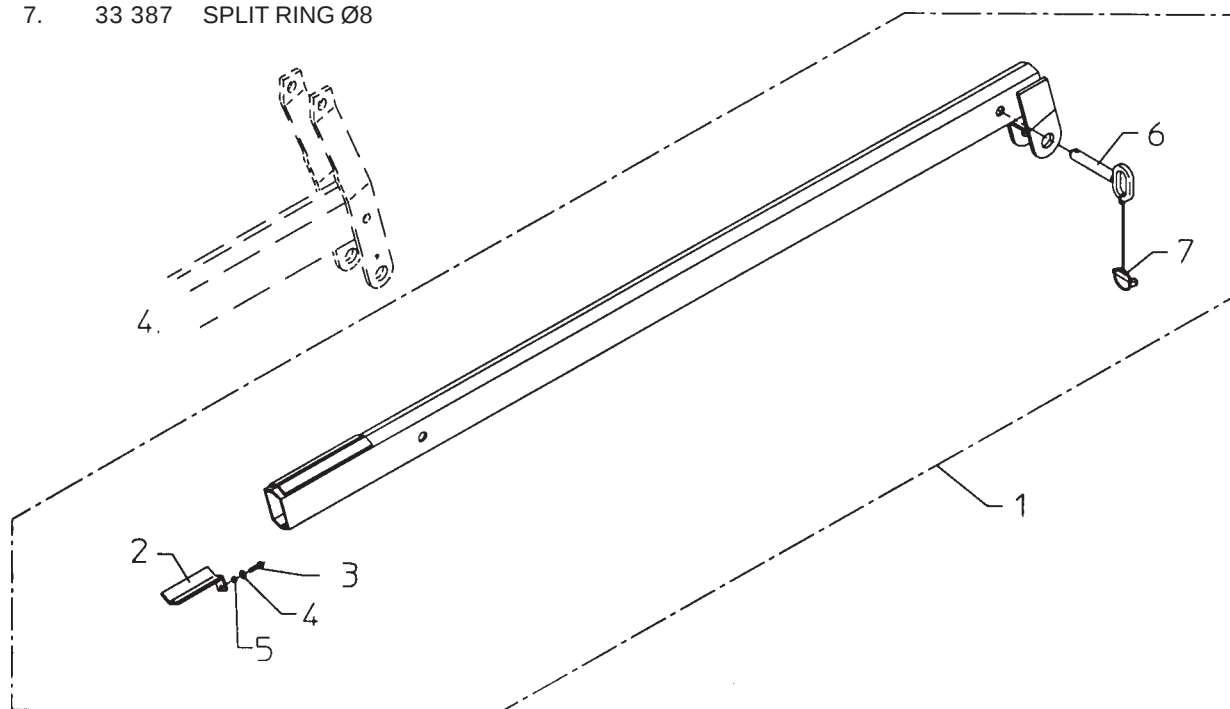


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PARTS-18

**MANUAL EXTENSIONS-4H**

1. 13 10 070 MNL EXT (COMPL)101X45MM 1
2. 66 093 BRACKET
3. 30 114 SET SCR M6X25
4. 31 134 WASHER 6MM
5. 30 884 LOCK NUT M6
6. 12 93 574 PIN
7. 33 387 SPLIT RING Ø8



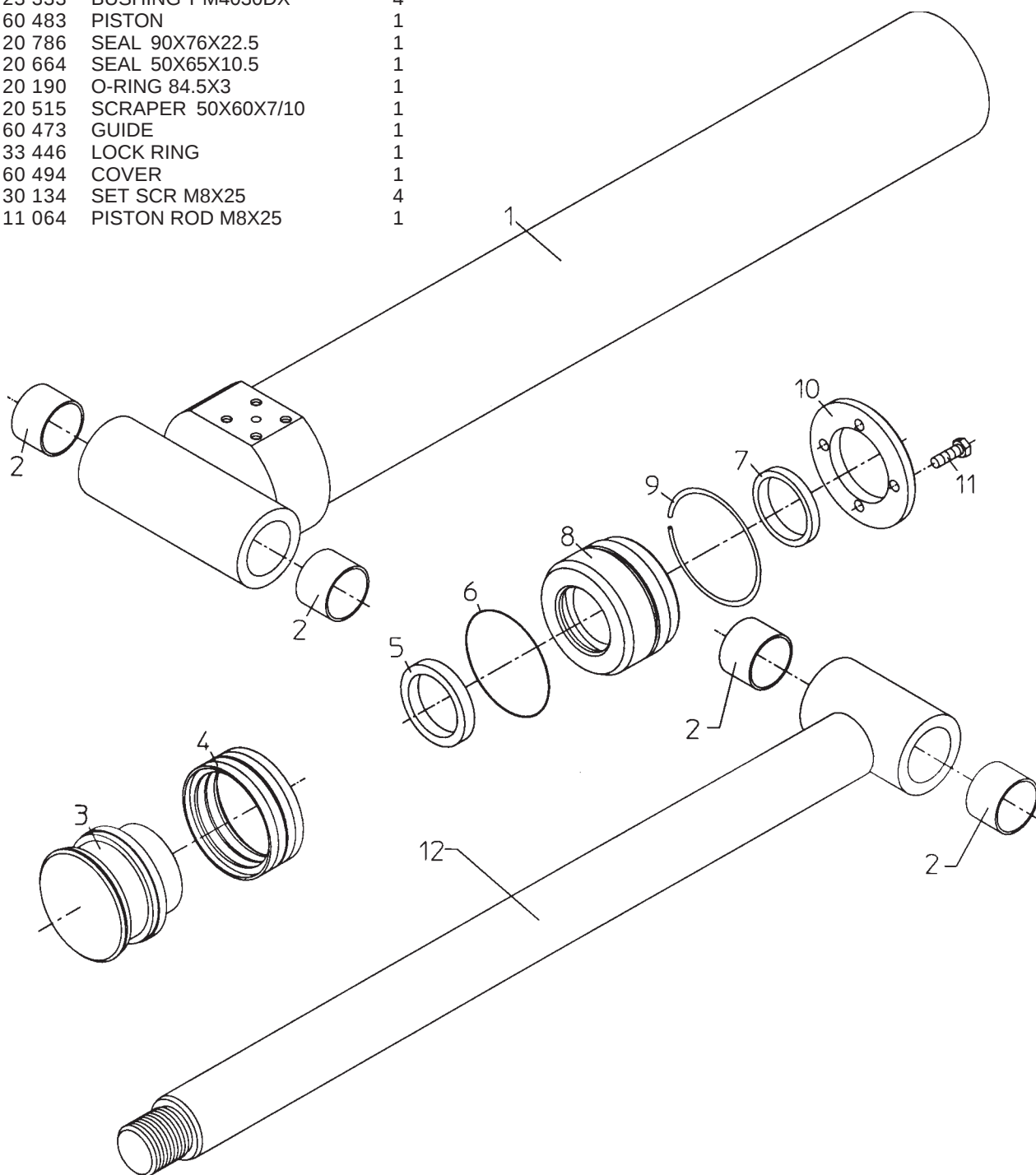


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PARTS-19

**INNER BOOM CYLINDER C90-600**

|     |           |                    |   |
|-----|-----------|--------------------|---|
|     | 13 11 103 | BOOM CYLINDER      | 1 |
|     | 68 93 300 | SEAL KIT           | 1 |
| 1.  | 13 11 093 | CYLINDER           | 1 |
| 2.  | 23 333    | BUSHING PM4030DX   | 4 |
| 3.  | 12 60 483 | PISTON             | 1 |
| 4.  | 20 786    | SEAL 90X76X22.5    | 1 |
| 5.  | 20 664    | SEAL 50X65X10.5    | 1 |
| 6.  | 20 190    | O-RING 84.5X3      | 1 |
| 7.  | 20 515    | SCRAPER 50X60X7/10 | 1 |
| 8.  | 12 60 473 | GUIDE              | 1 |
| 9.  | 33 446    | LOCK RING          | 1 |
| 10. | 12 60 494 | COVER              | 1 |
| 11. | 30 134    | SET SCR M8X25      | 4 |
| 12. | 13 11 064 | PISTON ROD M8X25   | 1 |



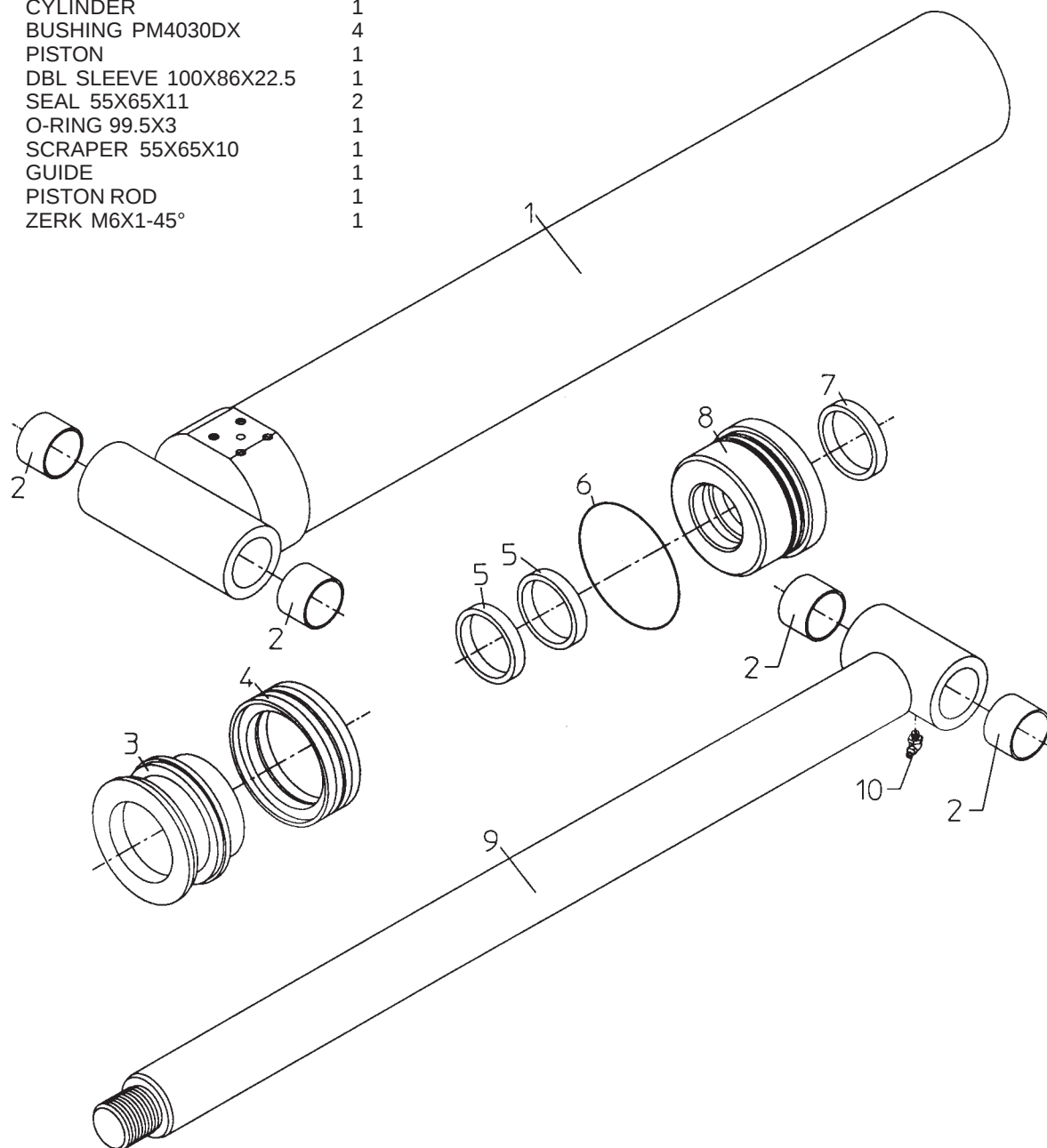


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PARTS-20

**OUTER (JIB) BOOM CYLINDER C100-705**

|     |           |                        |   |
|-----|-----------|------------------------|---|
|     | 13 11 043 | INNER CYLINDER         | 1 |
|     | 68 93 310 | SEAL KIT (INCL:4-7)    | 1 |
| 1.  | 13 11 023 | CYLINDER               | 1 |
| 2.  | 23 333    | BUSHING PM4030DX       | 4 |
| 3.  | 13 01 303 | PISTON                 | 1 |
| 4.  | 20 790    | DBL SLEEVE 100X86X22.5 | 1 |
| 5.  | 20 686    | SEAL 55X65X11          | 2 |
| 6.  | 20 194    | O-RING 99.5X3          | 1 |
| 7.  | 20 517    | SCRAPER 55X65X10       | 1 |
| 8.  | 13 11 033 | GUIDE                  | 1 |
| 9.  | 13 10 994 | PISTON ROD             | 1 |
| 10. | 31 330    | ZERK M6X1-45°          | 1 |



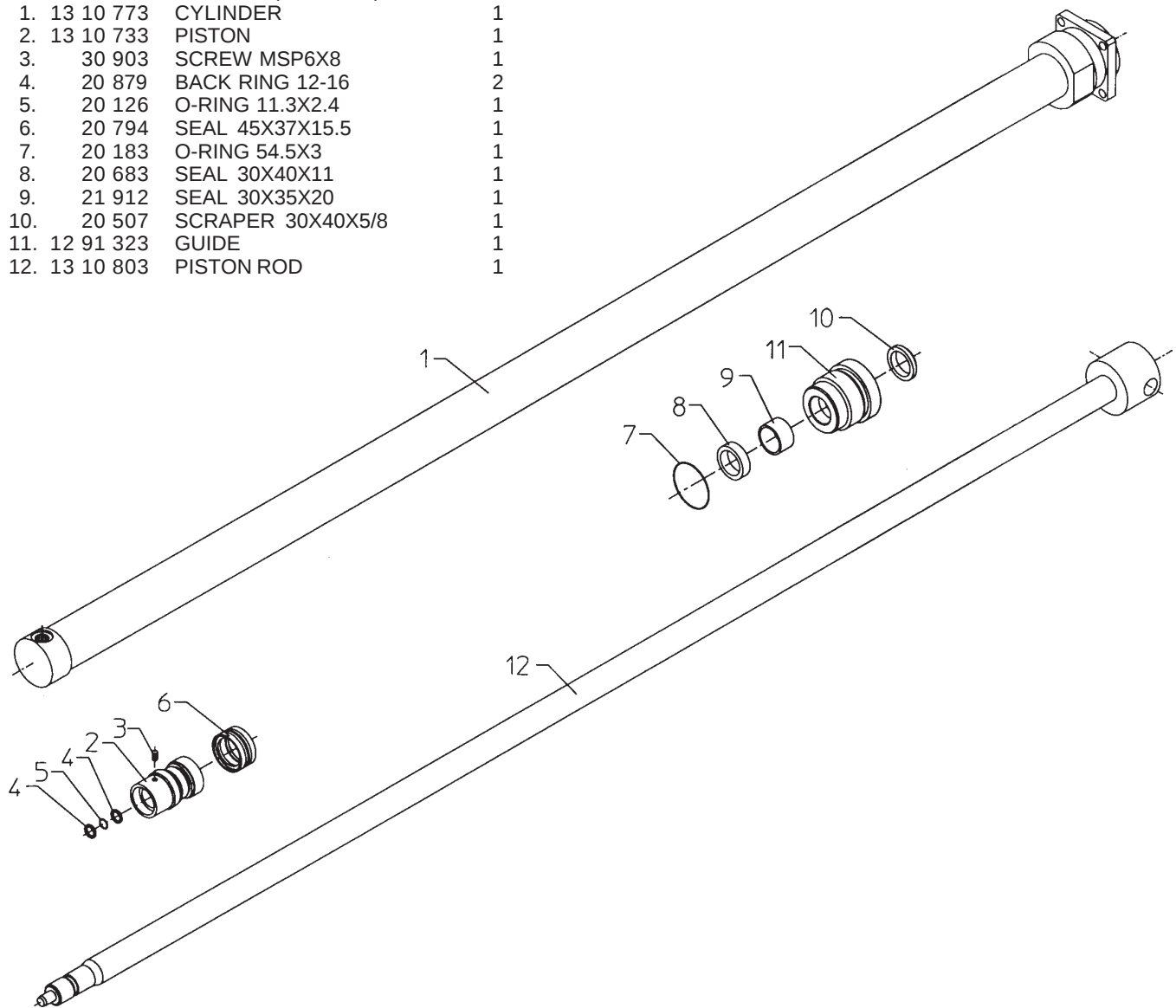


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PARTS-21

**EXTENSION CYLINDER C45-1485 (Ø30/Ø16)**

|     |           |                      |   |
|-----|-----------|----------------------|---|
|     | 13 10 813 | EXT CYLINDER         | 1 |
|     | 68 93 320 | SEAL KIT (INCL:4-10) | 1 |
| 1.  | 13 10 773 | CYLINDER             | 1 |
| 2.  | 13 10 733 | PISTON               | 1 |
| 3.  | 30 903    | SCREW MSP6X8         | 1 |
| 4.  | 20 879    | BACK RING 12-16      | 2 |
| 5.  | 20 126    | O-RING 11.3X2.4      | 1 |
| 6.  | 20 794    | SEAL 45X37X15.5      | 1 |
| 7.  | 20 183    | O-RING 54.5X3        | 1 |
| 8.  | 20 683    | SEAL 30X40X11        | 1 |
| 9.  | 21 912    | SEAL 30X35X20        | 1 |
| 10. | 20 507    | SCRAPER 30X40X5/8    | 1 |
| 11. | 12 91 323 | GUIDE                | 1 |
| 12. | 13 10 803 | PISTON ROD           | 1 |



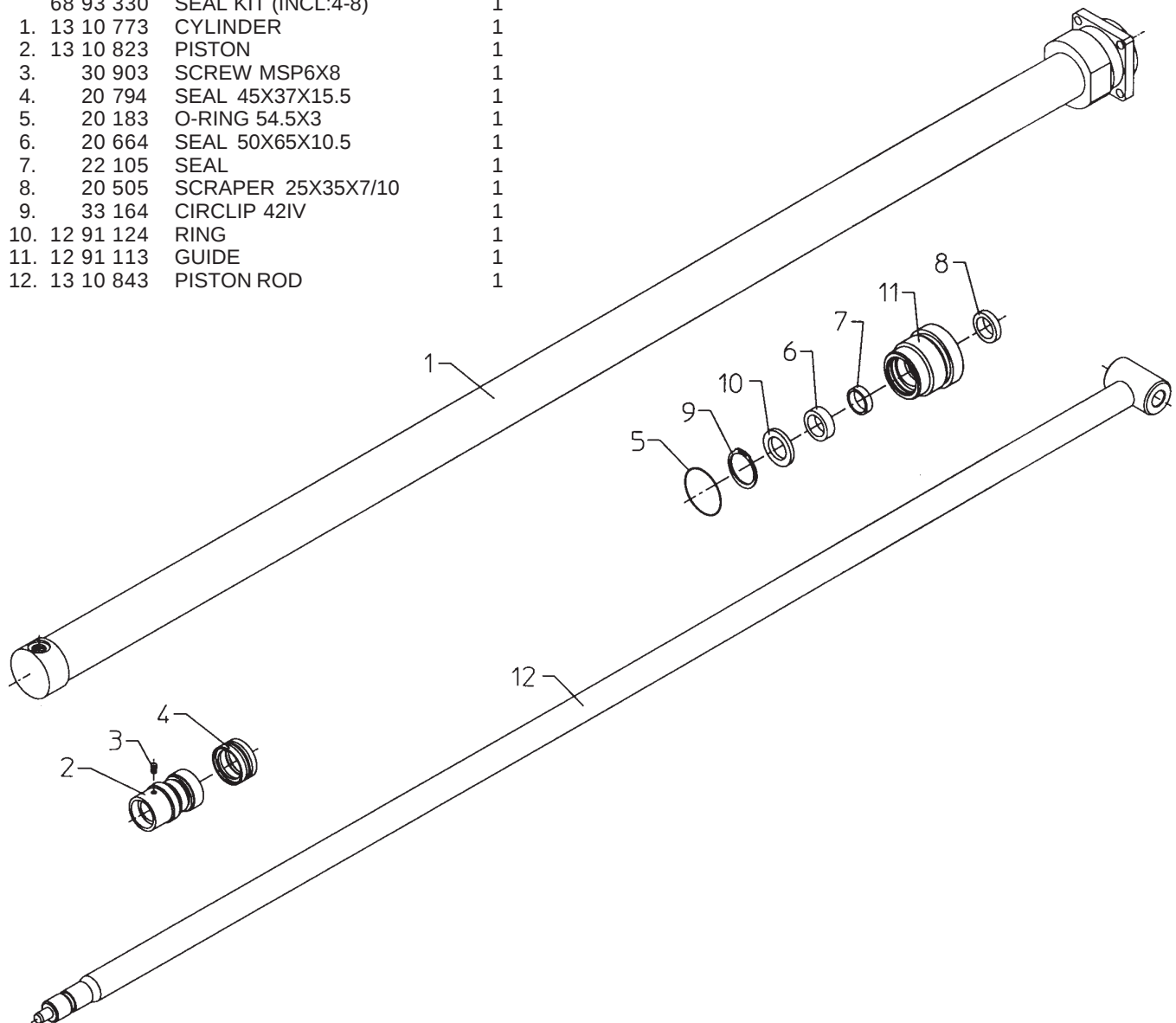


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PARTS-22

**EXTENSION CYLINDER C45-1485 (Ø25)**

|     |           |                     |   |
|-----|-----------|---------------------|---|
|     | 13 10 853 | EXT CYLINDER        | 1 |
|     | 68 93 330 | SEAL KIT (INCL:4-8) | 1 |
| 1.  | 13 10 773 | CYLINDER            | 1 |
| 2.  | 13 10 823 | PISTON              | 1 |
| 3.  | 30 903    | SCREW MSP6X8        | 1 |
| 4.  | 20 794    | SEAL 45X37X15.5     | 1 |
| 5.  | 20 183    | O-RING 54.5X3       | 1 |
| 6.  | 20 664    | SEAL 50X65X10.5     | 1 |
| 7.  | 22 105    | SEAL                | 1 |
| 8.  | 20 505    | SCRAPER 25X35X7/10  | 1 |
| 9.  | 33 164    | CIRCLIP 42IV        | 1 |
| 10. | 12 91 124 | RING                | 1 |
| 11. | 12 91 113 | GUIDE               | 1 |
| 12. | 13 10 843 | PISTON ROD          | 1 |



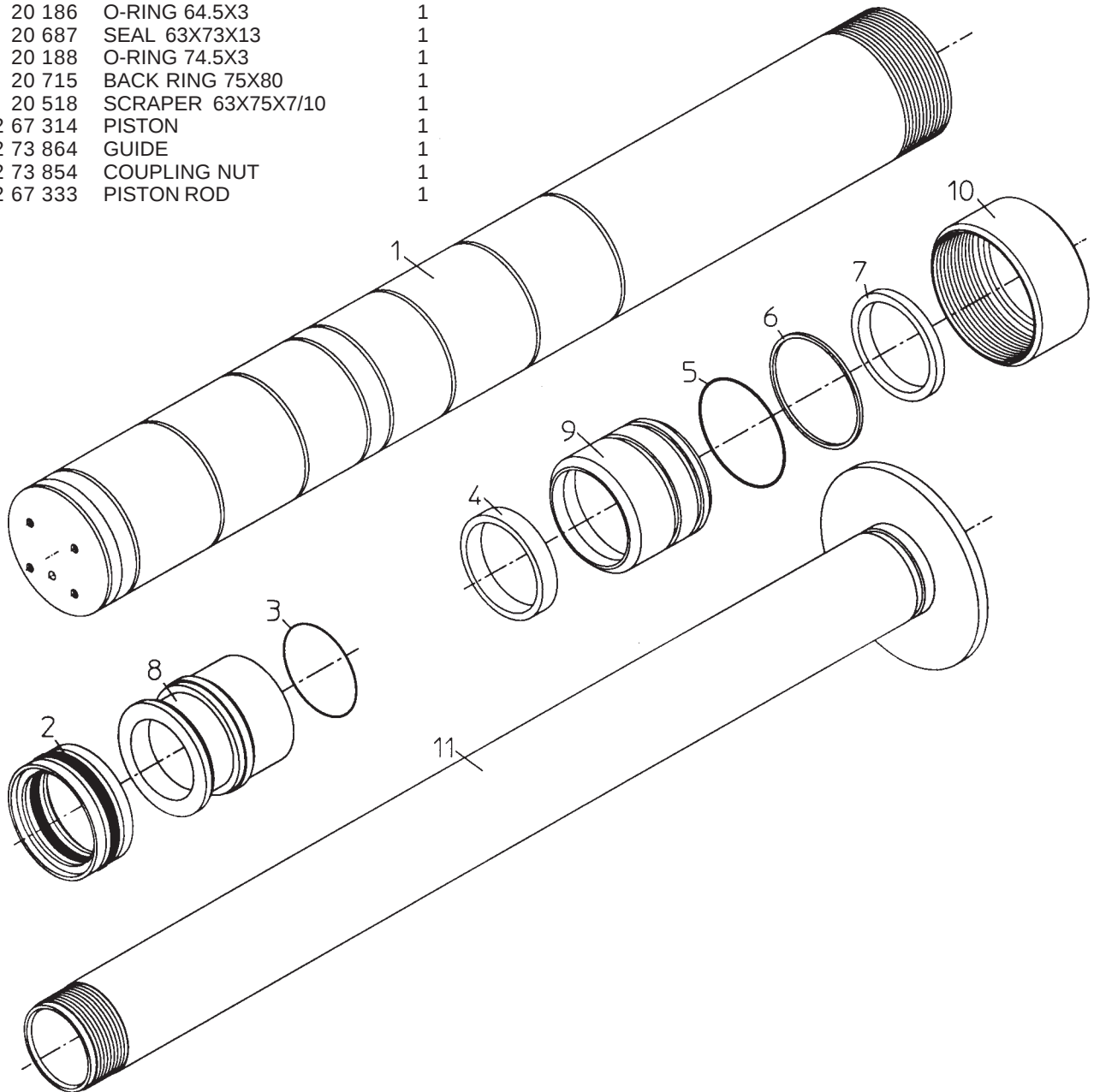


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PARTS-23

**STABILIZER CYLINDER C80-550**

|     |           |                     |   |
|-----|-----------|---------------------|---|
|     | 12 66 632 | STABILIZER CYLINDER | 1 |
|     | 68 92 600 | SEAL KIT (INCL:2-7) | 1 |
| 1.  | 12 66 613 | CYLINDER            | 1 |
| 2.  | 20 785    | SEAL 80X66X22.5     | 1 |
| 3.  | 20 186    | O-RING 64.5X3       | 1 |
| 4.  | 20 687    | SEAL 63X73X13       | 1 |
| 5.  | 20 188    | O-RING 74.5X3       | 1 |
| 6.  | 20 715    | BACK RING 75X80     | 1 |
| 7.  | 20 518    | SCRAPER 63X75X7/10  | 1 |
| 8.  | 12 67 314 | PISTON              | 1 |
| 9.  | 12 73 864 | GUIDE               | 1 |
| 10. | 12 73 854 | COUPLING NUT        | 1 |
| 11. | 12 67 333 | PISTON ROD          | 1 |



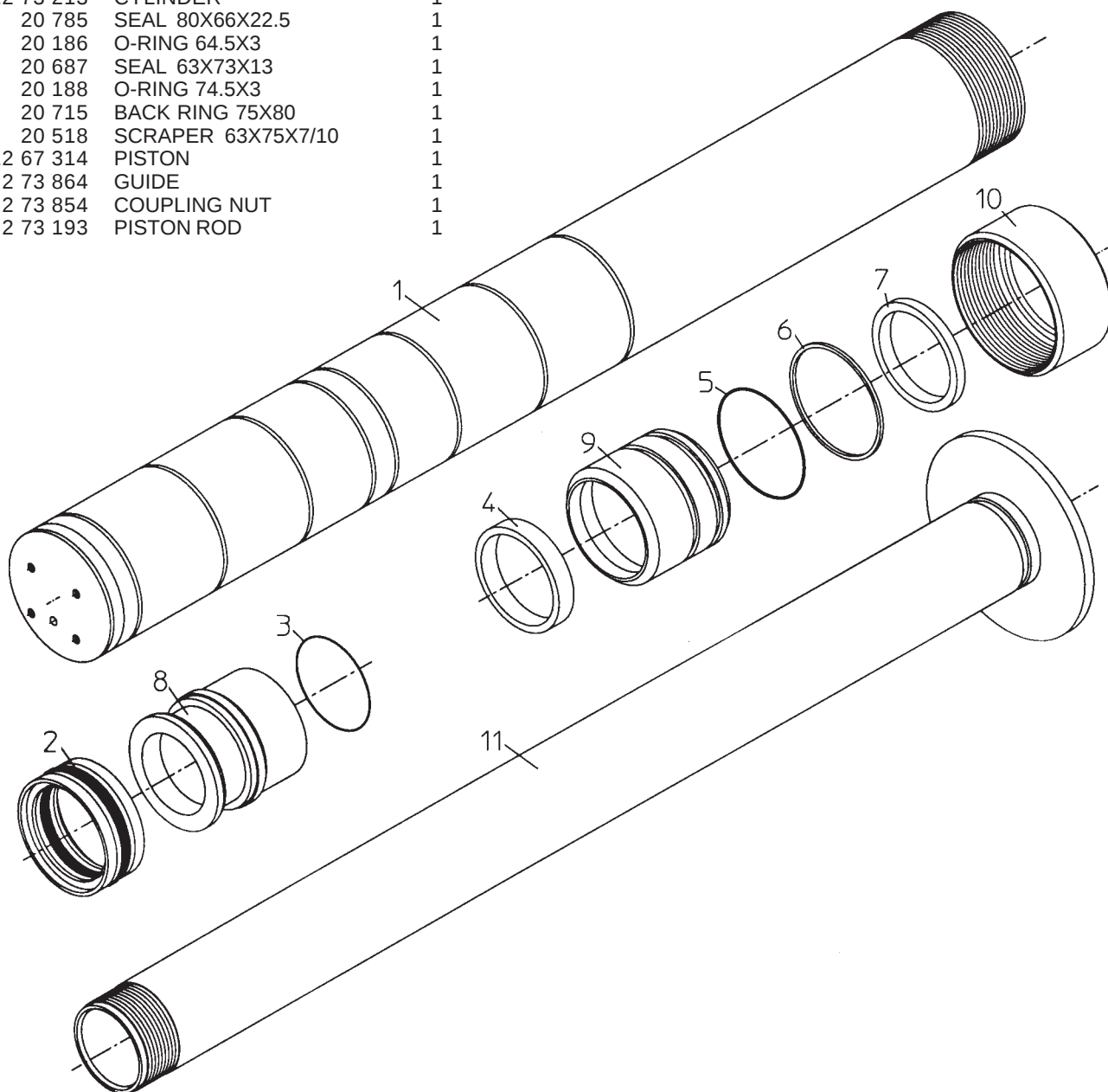


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PARTS-24

**STABILIZER CYLINDER C80-640**

|     |           |                     |   |
|-----|-----------|---------------------|---|
|     | 12 73 872 | STABILIZER CYLINDER | 1 |
|     | 68 92 600 | SEAL KIT (INCL:2-7) | 1 |
| 1.  | 12 73 213 | CYLINDER            | 1 |
| 2.  | 20 785    | SEAL 80X66X22.5     | 1 |
| 3.  | 20 186    | O-RING 64.5X3       | 1 |
| 4.  | 20 687    | SEAL 63X73X13       | 1 |
| 5.  | 20 188    | O-RING 74.5X3       | 1 |
| 6.  | 20 715    | BACK RING 75X80     | 1 |
| 7.  | 20 518    | SCRAPER 63X75X7/10  | 1 |
| 8.  | 12 67 314 | PISTON              | 1 |
| 9.  | 12 73 864 | GUIDE               | 1 |
| 10. | 12 73 854 | COUPLING NUT        | 1 |
| 11. | 12 73 193 | PISTON ROD          | 1 |



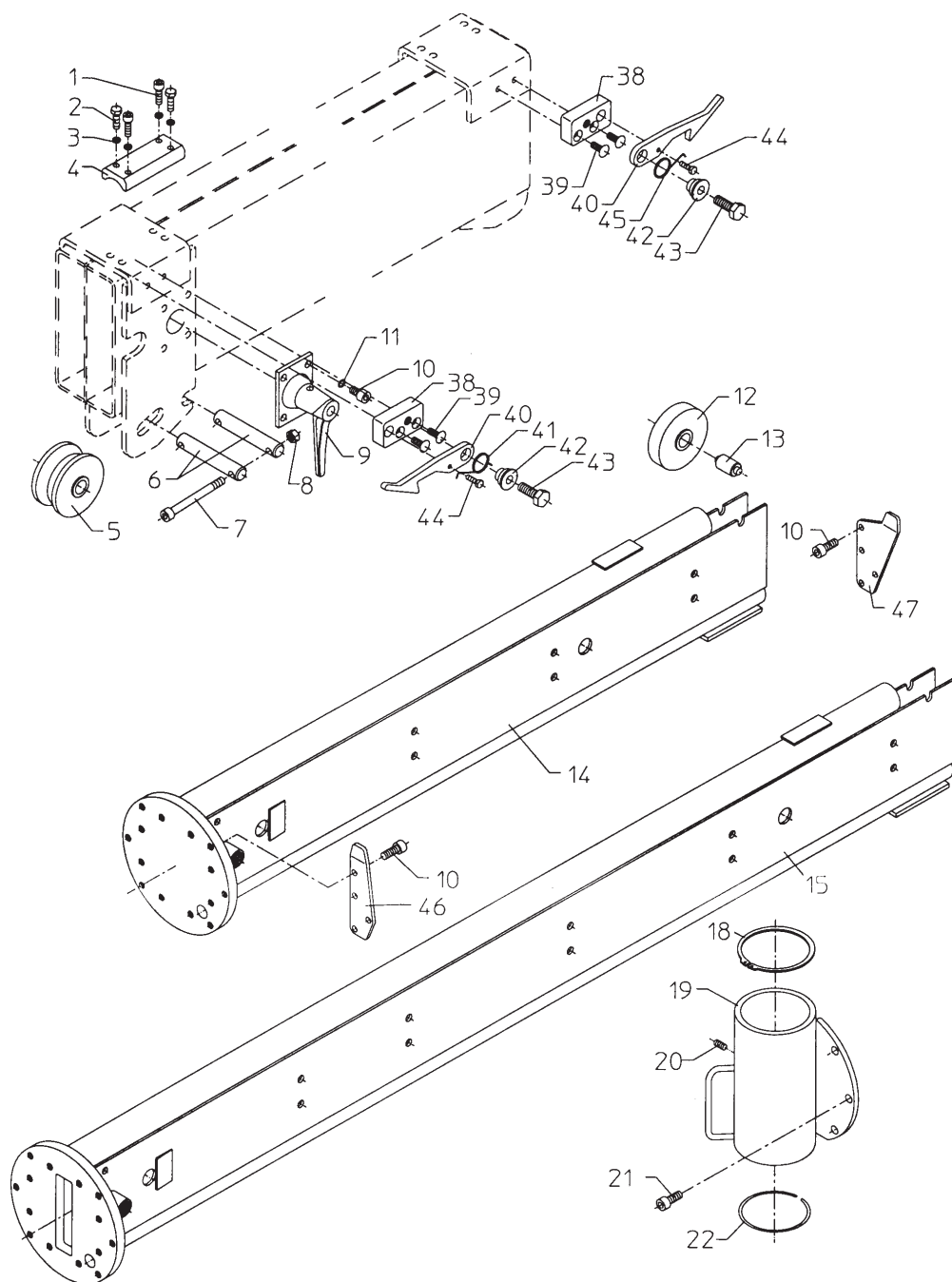


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PARTS-25

**STABILIZER ARM SV**

|     |           |                        |    |     |           |                        |    |
|-----|-----------|------------------------|----|-----|-----------|------------------------|----|
| 1.  | 30 440    | SCREW MC8X25           | 2  | 18. | 33 241    | CIRCLIP 90U            | 2  |
| 2.  | 30 135    | SET SCR M8X30          | 6  | 19. | 12 92 923 | HOUSING                | 2  |
| 3.  | 31 155    | SPRING WASHER 8MM      | 8  | 20. | 30 566    | POINTING SCREW MSP8X16 | 2  |
| 4.  | 12 92 773 | STOP                   | 2  | 21. | 30 453    | SCREW MC10X25          | 12 |
| 5.  | 12 92 784 | GUIDE ROLLER           | 2  | 22. | 33 446    | LOCK RING              | 2  |
| 6.  | 12 92 794 | PIN                    | 4  | 38. | 13 12 543 | BRACKET                | 2  |
| 7.  | 32 427    | SCREW MC10X110         | 4  | 39. | 30 583    | SCREW MK8X25           | 4  |
| 8.  | 30 888    | LOCK NUT M10           | 4  | 40. | 62 45 244 | HOOK                   | 2  |
| 9.  | 66 61 734 | LOCKING DEVICE         | 2  | 41. | 33 474    | SPRING                 | 1  |
| 10. | 30 964    | SCREW MC10X16          | 12 | 42. | 62 45 264 | BUSHING                | 2  |
| 11. | 31 156    | SPRING WASHER 10MM     | 8  | 43. | 30 178    | SET SCR M12X35         | 2  |
| 12. | 12 92 894 | GUIDE ROLLER           | 2  | 44. | 30 579    | COUNTERSUNK SCR MK6X20 | 2  |
| 13. | 12 92 904 | PIN                    | 2  | 45. | 33 473    | SPRING                 | 1  |
| 14. | 13 10 972 | EXTENDABLE BEAM 620MM  | 2  | 46. | 13 12 563 | LOCK PLATE             | 1  |
| 15. | 13 10 922 | EXTENDABLE BEAM 1180MM | 2  | 47. | 13 12 553 | LOCK PLATE             | 1  |



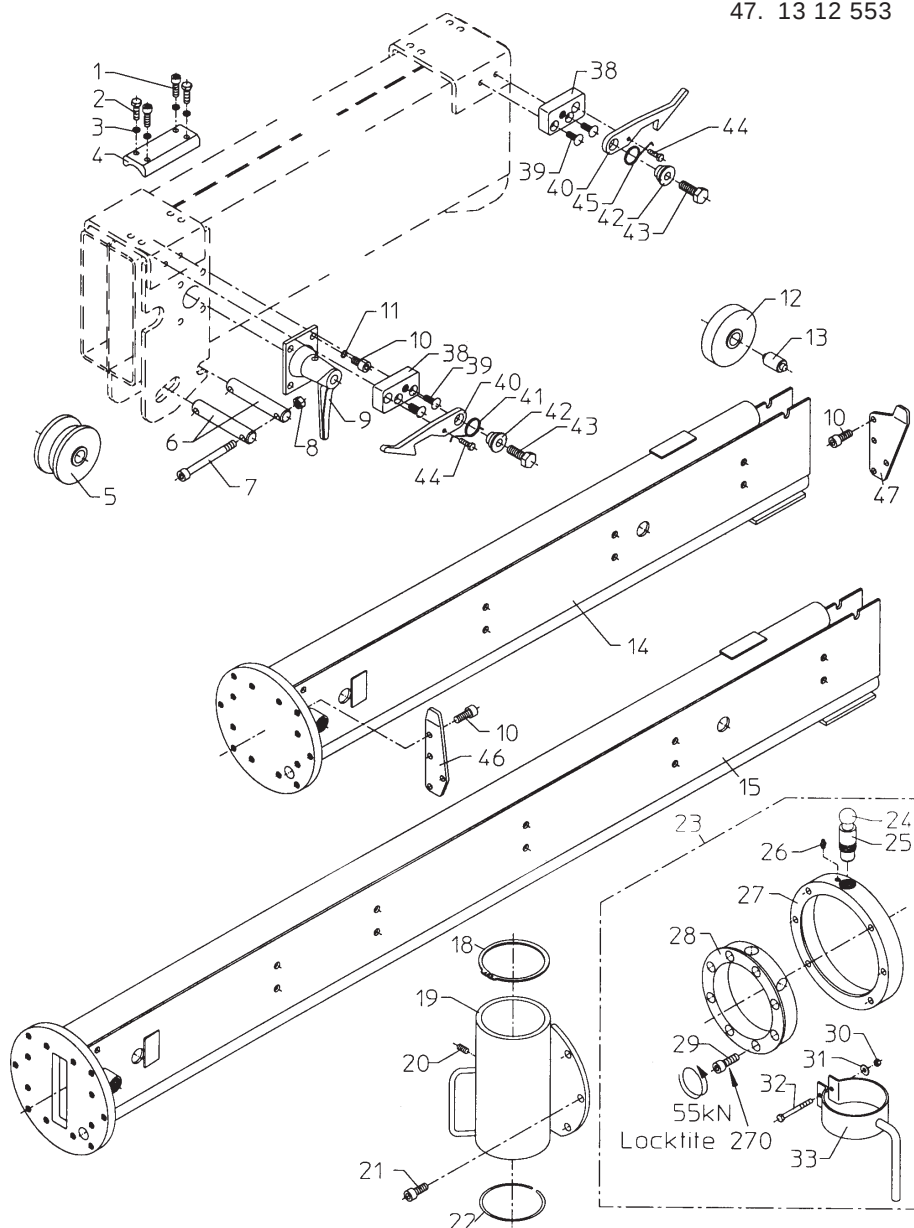


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PARTS-26

**STABILIZER ARM SR**

|     |           |                        |    |     |           |                        |   |
|-----|-----------|------------------------|----|-----|-----------|------------------------|---|
| 1.  | 30 440    | SCREW MC8X25           | 2  | 23. | 12 90 080 | MOUNTING KIT           | 2 |
| 2.  | 30 135    | SET SCR M8X30          | 6  | 24. | 64 254    | BALL-BLACK             |   |
| 3.  | 31 155    | SPRING WASHER 8MM      | 8  | 25. | 12 66 814 | PIN                    |   |
| 4.  | 12 92 773 | STOP                   | 2  | 26. | 31 329    | ZERK M6X1-0            |   |
| 5.  | 12 92 784 | GUIDE ROLLER           | 2  | 27. | 12 93 023 | DISC                   |   |
| 6.  | 12 92 794 | PIN                    | 4  | 28. | 12 93 033 | DISC                   |   |
| 7.  | 32 427    | SCREW MC10X110         | 4  | 29. | 30 455    | SCREW MC10X30          |   |
| 8.  | 30 888    | LOCK NUT M10           | 4  | 30. | 30 884    | LOCK NUT M6            |   |
| 9.  | 66 61 734 | LOCKING DEVICE         | 2  | 31. | 31 134    | WASHER 6MM             |   |
| 10. | 30 964    | SCREW MC10X16          | 12 | 32. | 30 120    | STEEL BOLT M6X60       |   |
| 11. | 31 156    | SPRING WASHER 10MM     | 8  | 33. | 12 66 903 | CLIP                   |   |
| 12. | 12 92 894 | GUIDE ROLLER           | 2  | 38. | 13 12 543 | BRACKET                | 2 |
| 13. | 12 92 904 | PIN                    | 2  | 39. | 30 583    | SCREW MK8X25           | 4 |
| 14. | 13 10 972 | EXTENDABLE BEAM 620MM  | 2  | 40. | 62 45 244 | HOOK                   | 2 |
| 15. | 13 10 922 | EXTENDABLE BEAM 1180MM | 2  | 41. | 33 474    | SPRING                 | 1 |
| 18. | 33 241    | CIRCLIP 90U            | 2  | 42. | 62 45 264 | BUSHING                | 2 |
| 19. | 12 92 923 | HOUSING                | 2  | 43. | 30 178    | SET SCR M12X35         | 2 |
| 20. | 30 566    | POINTING SCREW MSP8X16 | 2  | 44. | 30 579    | COUNTERSUNK SCR MK6X20 | 2 |
| 21. | 30 453    | SCREW MC10X25          | 12 | 45. | 33 473    | SPRING                 | 1 |
| 22. | 33 446    | LOCK RING              | 2  | 46. | 13 12 563 | LOCK PLATE             | 1 |
|     |           |                        |    | 47. | 13 12 553 | LOCK PLATE             | 1 |



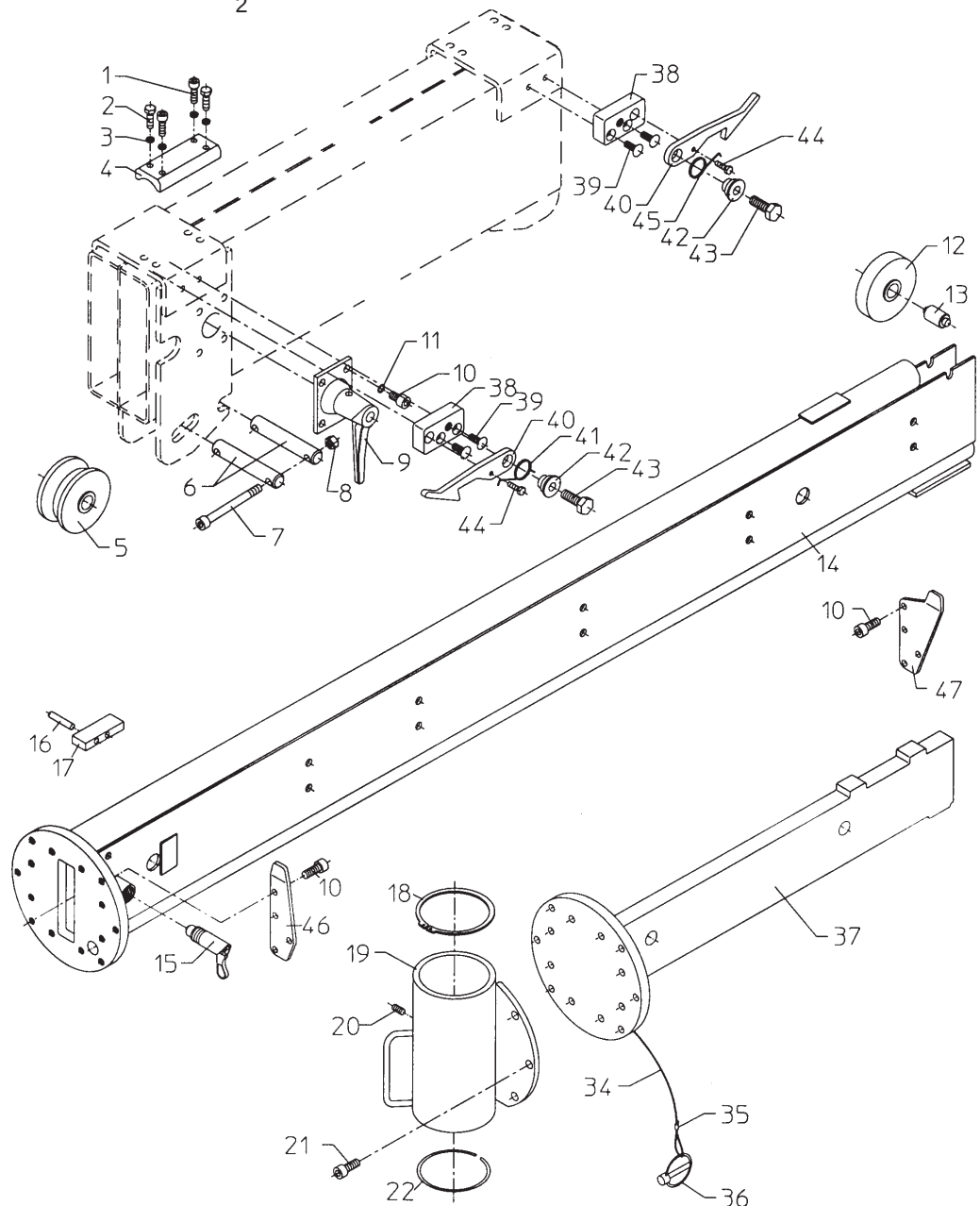


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## PARTS-27

**STABILIZER ARM DV**

|     |           |                        |    |     |           |                        |    |
|-----|-----------|------------------------|----|-----|-----------|------------------------|----|
| 1.  | 30 440    | SCREW MC8X25           | 2  | 20. | 30 566    | POINTING SCREW MSP8X16 | 2  |
| 2.  | 30 135    | SET SCR M8X30          | 6  | 21. | 30 453    | SCREW MC10X25          | 12 |
| 3.  | 31 155    | SPRING WASHER 8MM      | 8  | 22. | 33 446    | LOCK RING              | 2  |
| 4.  | 12 92 773 | STOP                   | 2  | 34. | 62 160    | WIRE                   |    |
| 5.  | 12 92 784 | GUIDE ROLLER           | 2  | 35. | 62 161    | WIRE LOCK              |    |
| 6.  | 12 92 794 | PIN                    | 4  | 36. | 33 385    | SPLIT RINGØ4           |    |
| 7.  | 32 427    | SCREW MC10X110         | 4  | 37. | 13 01 813 | EXTENDABLE BEAM        | 2  |
| 8.  | 30 888    | LOCK NUT M10           | 4  | 38. | 13 12 543 | BRACKET                | 2  |
| 9.  | 66 61 734 | LOCKING DEVICE         | 2  | 39. | 30 583    | SCREW MK8X25           | 4  |
| 10. | 30 964    | SCREW MC10X16          | 12 | 40. | 62 45 244 | HOOK                   | 2  |
| 11. | 31 156    | SPRING WASHER 10MM     | 8  | 41. | 33 474    | SPRING                 | 1  |
| 12. | 12 92 894 | GUIDE ROLLER           | 2  | 42. | 62 45 264 | BUSHING                | 2  |
| 13. | 12 92 904 | PIN                    | 2  | 43. | 30 178    | SET SCR M12X35         | 2  |
| 14. | 13 10 922 | EXTENDABLE BEAM 1180MM | 2  | 44. | 30 579    | COUNTERSUNK SCR MK6X20 | 2  |
| 15. | 12 00 624 | BOLT                   | 2  | 45. | 33 473    | SPRING                 | 1  |
| 16. | 31 217    | RETAINING PIN ØX40     | 4  | 46. | 13 12 563 | LOCK PLATE             | 1  |
| 17. | 12 93 044 | STOP                   | 2  | 47. | 13 12 553 | LOCK PLATE             | 1  |
| 18. | 33 241    | CIRCLIP 90U            | 2  |     |           |                        |    |
| 19. | 12 92 923 | HOUSING                | 2  |     |           |                        |    |



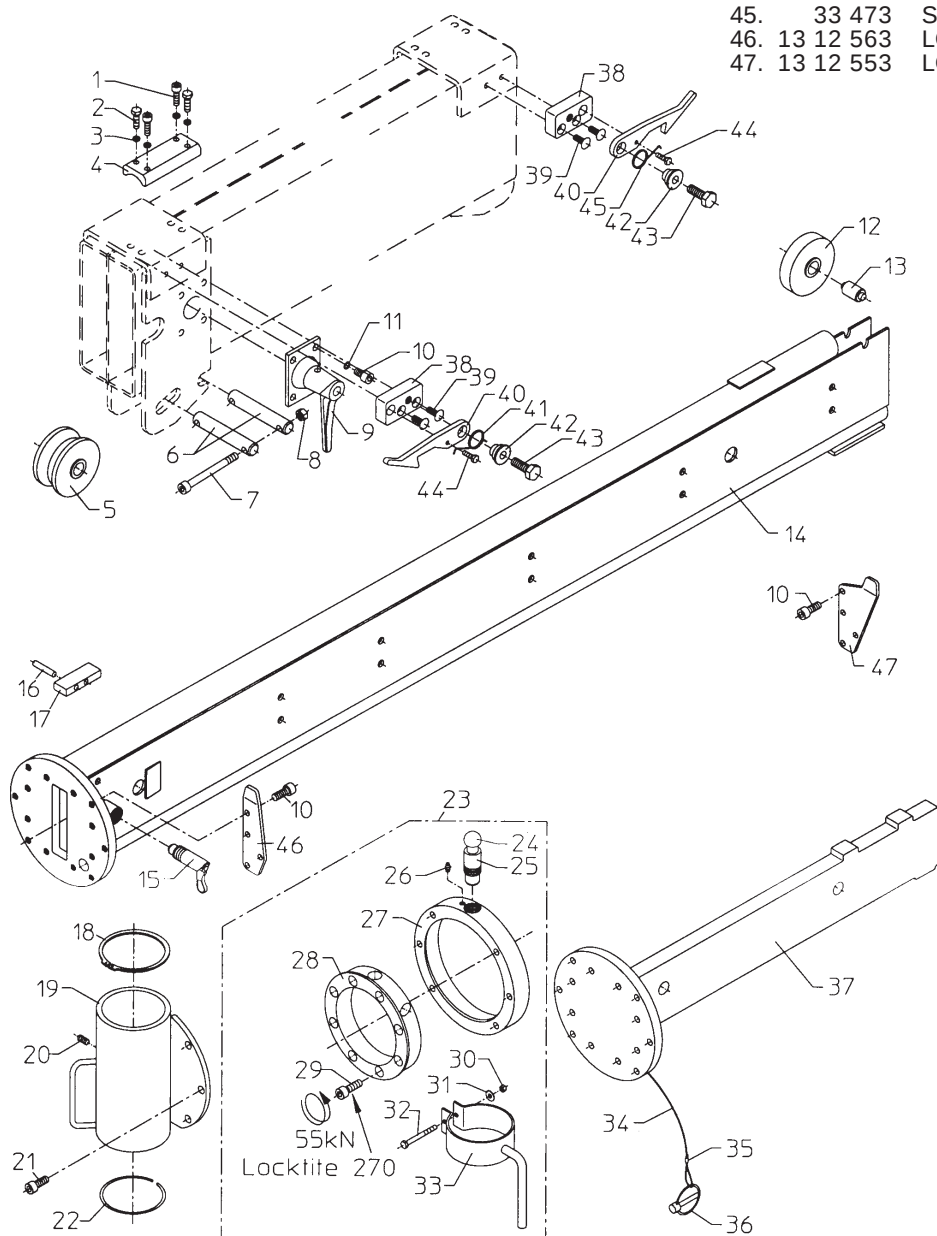


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PARTS-28

**STABILIZER ARM DR**

|     |           |                        |    |     |           |                        |   |
|-----|-----------|------------------------|----|-----|-----------|------------------------|---|
| 1.  | 30 440    | SCREW MC8X25           | 2  | 23. | 12 90 080 | MOUNTING KIT           | 2 |
| 2.  | 30 135    | SET SCR M8X30          | 5  | 24. | 64 254    | BALL-BLACK             |   |
| 3.  | 31 155    | SPRING WASHER 8MM      | 8  | 25. | 12 66 814 | PIN                    |   |
| 4.  | 12 92 773 | STOP                   | 2  | 26. | 31 329    | ZERK M6X1-0            |   |
| 5.  | 12 92 784 | GUIDE ROLLER           | 2  | 27. | 12 93 023 | DISC                   |   |
| 6.  | 12 92 794 | PIN                    | 4  | 28. | 12 93 033 | DISC                   |   |
| 7.  | 32 427    | SCREW MC10X110         | 4  | 29. | 30 455    | SCREW MC10X30          |   |
| 8.  | 30 888    | LOCK NUT M10           | 4  | 30. | 30 884    | LOCK NUT M6            |   |
| 9.  | 66 61 734 | LOCKING DEVICE         | 2  | 31. | 31 134    | WASHER 6MM             |   |
| 10. | 30 964    | SCREW MC10X16          | 12 | 32. | 30 120    | STEEL BOLT M6X60       |   |
| 11. | 31 156    | SPRING WASHER 10MM     | 8  | 33. | 12 66 903 | CLIP                   |   |
| 12. | 12 92 894 | GUIDE ROLLER           | 2  | 34. | 62 160    | WIRE                   |   |
| 13. | 12 92 904 | PIN                    | 2  | 35. | 62 161    | WIRE LOCK              |   |
| 14. | 13 10 922 | EXTENDABLE BEAM 1180MM | 2  | 36. | 33 385    | SPLIT RINGØ4           |   |
| 15. | 12 00 624 | BOLT                   | 2  | 37. | 13 01 813 | EXTENDABLE BEAM        | 2 |
| 16. | 31 217    | RETAINING PIN ØX40     | 4  | 38. | 13 12 543 | BRACKET                | 2 |
| 17. | 12 93 044 | STOP                   | 2  | 39. | 30 583    | SCREW MK8X25           | 4 |
| 18. | 33 241    | CIRCLIP 90U            | 2  | 40. | 62 45 244 | HOOK                   | 2 |
| 19. | 12 92 923 | HOUSING                | 2  | 41. | 33 474    | SPRING                 | 1 |
| 20. | 30 566    | POINTING SCREW MSP8X16 | 2  | 42. | 62 45 264 | BUSHING                | 2 |
| 21. | 30 453    | SCREW MC10X25          | 12 | 43. | 30 178    | SET SCR M12X35         | 2 |
| 22. | 33 446    | LOCK RING              | 2  | 44. | 30 579    | COUNTERSUNK SCR MK6X20 | 2 |
|     |           |                        |    | 45. | 33 473    | SPRING                 | 1 |
|     |           |                        |    | 46. | 13 12 563 | LOCK PLATE             | 1 |
|     |           |                        |    | 47. | 13 12 553 | LOCK PLATE             | 1 |



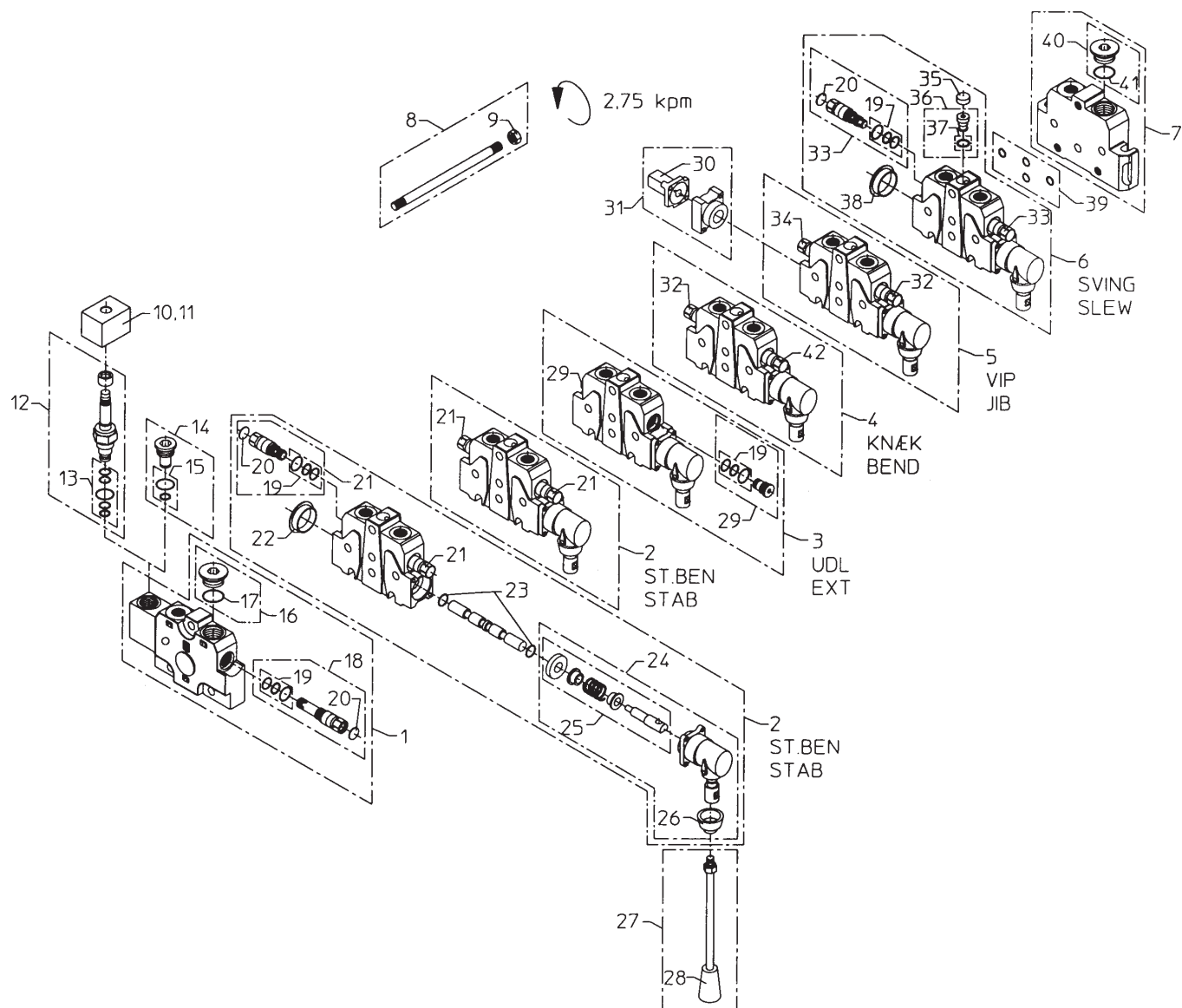


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PARTS-29

**VALVE GROUP-RS150**

|     |        |                              |   |     |        |                                 |
|-----|--------|------------------------------|---|-----|--------|---------------------------------|
|     | 59 577 | VALVE BLOCK (COMPLETE)       | 1 | 21. | 59 249 | PORT RELIEF VALVE(TBS175)       |
|     | 59 576 | VALVE BLOCK (COMPLETE)       | 1 | 22. | 59 221 | DUST CAP                        |
| 1.  | 59 150 | INLET SECTION                |   | 23. | 59 230 | SEAL KIT                        |
| 2.  | 59 149 | CTRL VALVE EXCL LEVER(1H)    |   | 24. | 59 225 | BRACKET                         |
| 3.  | 59 148 | CTRL VALVE EXCL LEVER(4H)    |   | 25. | 59 227 | SPRING KIT                      |
| 4.  | 59 147 | CTRL VALVE EXCL LEVER(1H-01) |   | 26. | 59 226 | RUBBER BELLOWS                  |
| 5.  | 59 146 | CTRL VALVE EXCL LEVER(1H-01) |   | 27. | 59 223 | LEVER                           |
| 6.  | 59 145 | CTRL VALVE EXCL LEVER(1HS)   |   | 28. | 59 224 | BALL                            |
| 7.  | 59 144 | OUTLET SECTION               |   | 29. | 59 234 | PLUG                            |
| 8.  | 59 235 | STAY BOLT (6 SECT)           |   | 30. | 59 243 | REPAIR KIT                      |
| 9.  | 30 888 | LOCK NUT M10                 |   | 31. | 59 240 | SPOOL SENSOR (COMPLETE)         |
| 10. | 61 777 | SOLENOID 12V                 |   | 32. | 59 248 | PORT RELIEF VALVE(TB265)        |
| 11. | 61 778 | SOLENOID 26V                 |   | 33. | 59 246 | RELIEF & ANTI-CAV VALVE(TBS150) |
| 12. | 61 776 | CARTRIDGE                    |   | 34. | 59 247 | RELIEF & ANTI-CAV VALVE(TBS100) |
| 13. | 61 779 | SEAL KIT                     |   | 35. | 61 688 | PLUG                            |
| 14. | 61 780 | PLUG                         |   | 36. | 61 480 | CHECK VALVE                     |
| 15. | 61 781 | SEAL KIT                     |   | 37. | 59 231 | SEAL KIT                        |
| 16. | 61 366 | PLUG 1/2"BSP                 |   | 38. | 59 222 | DUST CAP                        |
| 17. | 20 129 | O-RING 17.3X2.4              |   | 39. | 59 229 | SEAL KIT                        |
| 18. | 59 250 | MAIN RELIEF VALVE            |   | 40. | 59 232 | PLUG 3/8"                       |
| 19. | 59 228 | SEAL KIT                     |   | 41. | 59 233 | SEAL                            |
| 20. | 61 786 | WASHER                       |   | 42. | 59 211 | RELIEF & ANTI-CAV VALVE(TBS200) |



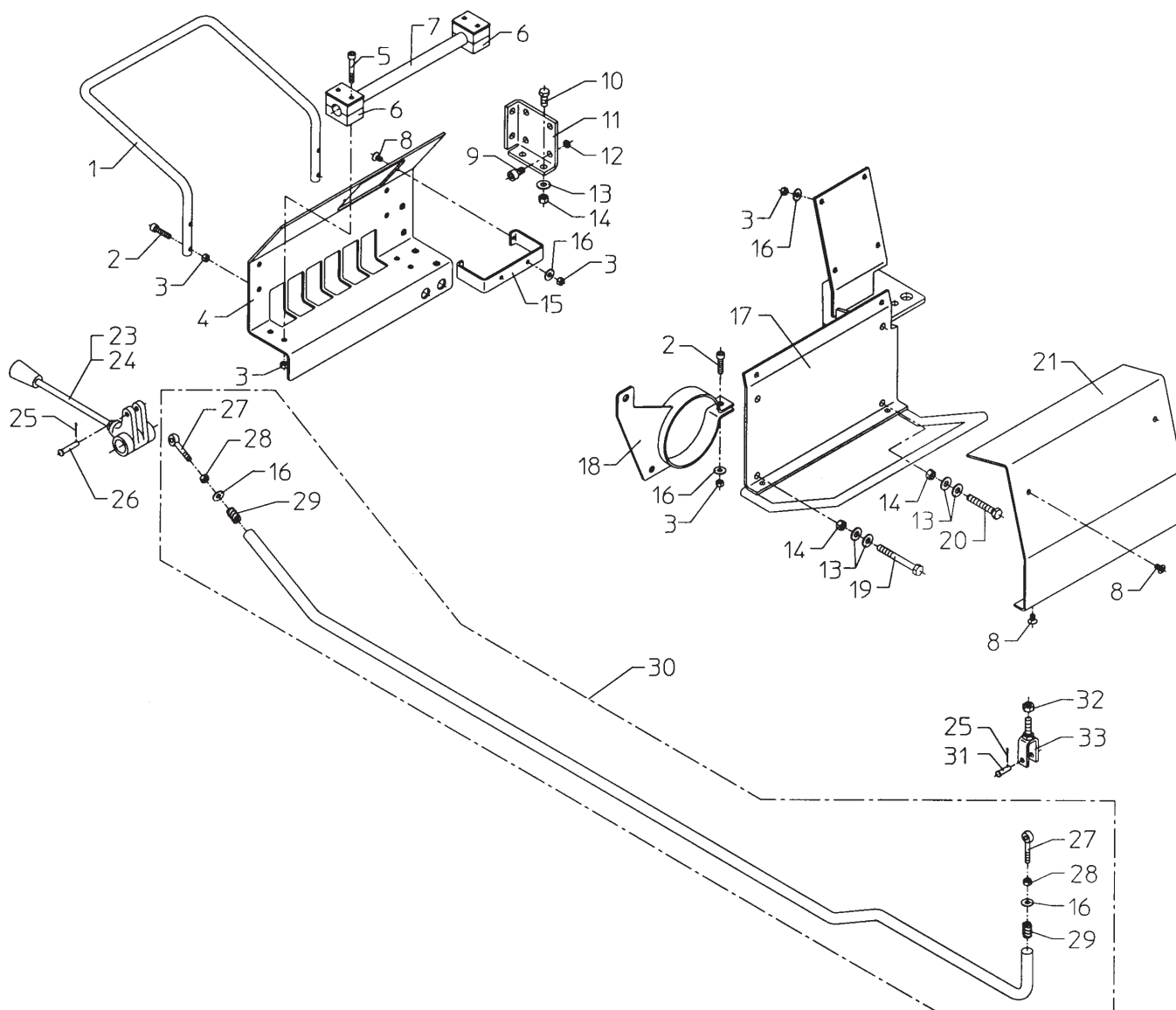


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PARTS-30

**VALVE BRACKET & DUAL CONTROL-RS150**

|     |           |                   |    |     |           |                   |    |
|-----|-----------|-------------------|----|-----|-----------|-------------------|----|
| 1.  | 13 12 394 | SAFETY GUARD      | 1  | 17. | 13 11 763 | VALVE BRACKET     | 1  |
| 2.  | 30 962    | STEEL BOLT MC6X25 | 5  | 18. | 13 12 273 | BRACKET           | 1  |
| 3.  | 30 884    | LOCK NUT M6       | 15 | 19. | 30 142    | STEEL BOLT M8X70  | 2  |
| 4.  | 66 127    | PROTECTIVE PLATE  | 1  | 20. | 30 139    | STEEL BOLT M8X50  | 1  |
| 5.  | 32 414    | STEEL BOLT MC6X40 | 4  | 21. | 66 128    | PROTECTIVE PLATE  | 1  |
| 6.  | 31 428    | CLAMP 18          | 2  | 23. | 13 12 414 | LEVER             | 4  |
| 7.  | 66 60 954 | PIN (5 LEVER)     | 1  | 24. | 13 12 504 | LEVER             | 2  |
| 8.  | 30 997    | SCREW M6X10       | 6  | 25. | 31 601    | SLIT RING         | 12 |
| 9.  | 32 415    | STEEL BOLT MC8X14 | 4  | 26. | 31 274    | COTTER BOLT       | 6  |
| 10. | 30 131    | SET SCR M8X16     | 4  | 27. | 32 114    | PIN ØX30          |    |
| 11. | 66 097    | BRACKET           | 1  | 28. | 30 854    | NUT M6            |    |
| 12. | 31 155    | SPRING WASHER 8MM | 4  | 29. | 32 113    | THREADED BUSHING  |    |
| 13. | 31 136    | WASHER 8MM        | 10 | 30. | 13 12 363 | CONNECTING ROD    | 6  |
| 14. | 30 886    | LOCK NUT M8       | 7  | 31. | 31 271    | COTTER BOLT Ø6X20 | 6  |
| 15. | 66 098    | CLAMP             | 1  | 32. | 30 856    | NUT M8            | 6  |
|     |           |                   |    | 33. | 12 93 324 | CLEVIS            | 6  |

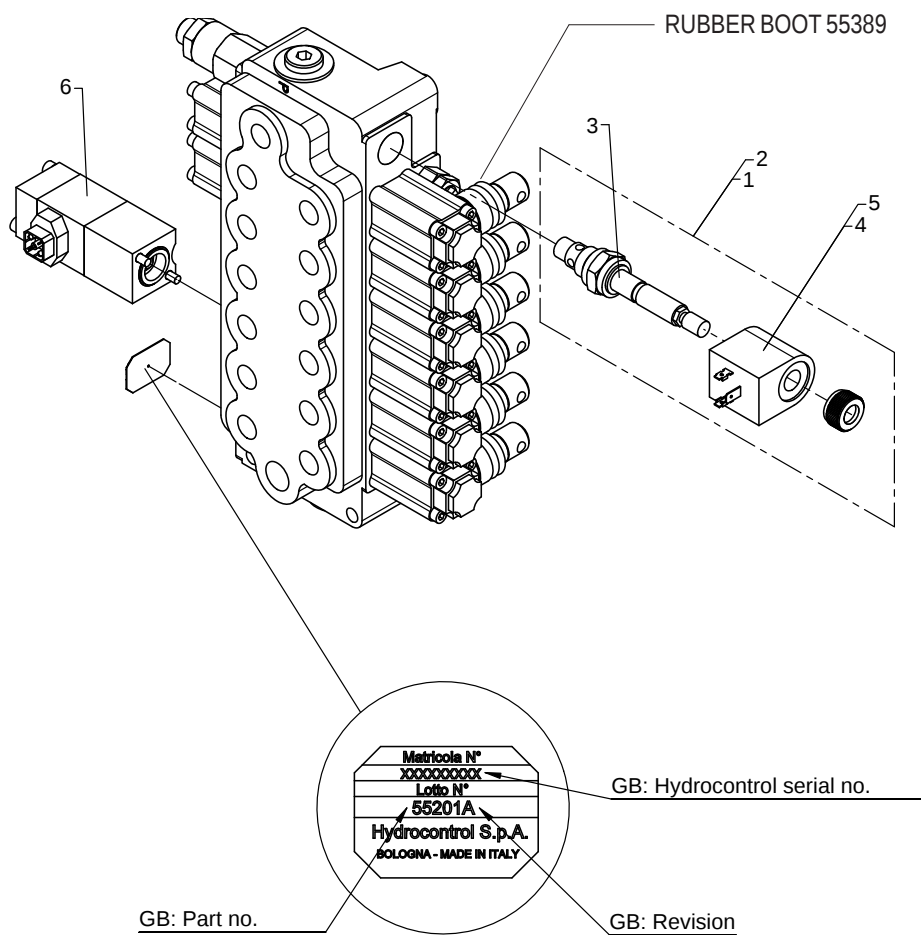


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PARTS-31

**CONTROL VALVE, M50**

| CONTROL VALVE, MS# |        |                 |   |
|--------------------|--------|-----------------|---|
|                    | 55 217 | CONTROL VALVE   | 1 |
|                    | 55 218 | CONTROL VALVE   | 1 |
| 1.                 | 55 348 | DUMP VALVE, 12V | 1 |
| 2.                 | 55 347 | DUMP VALVE, 26V | 1 |
| 3.                 | 55 346 | CARTRIDGE       | 1 |
| 4.                 | 55 344 | SOLENOID, 12V   | 1 |
| 5.                 | 55 346 | SOLENOID, 26V   | 1 |
| 6.                 | 55 250 | SPOOL SENSOR    | 1 |



GB: With regard to other spare parts please see drawing no. 6650083



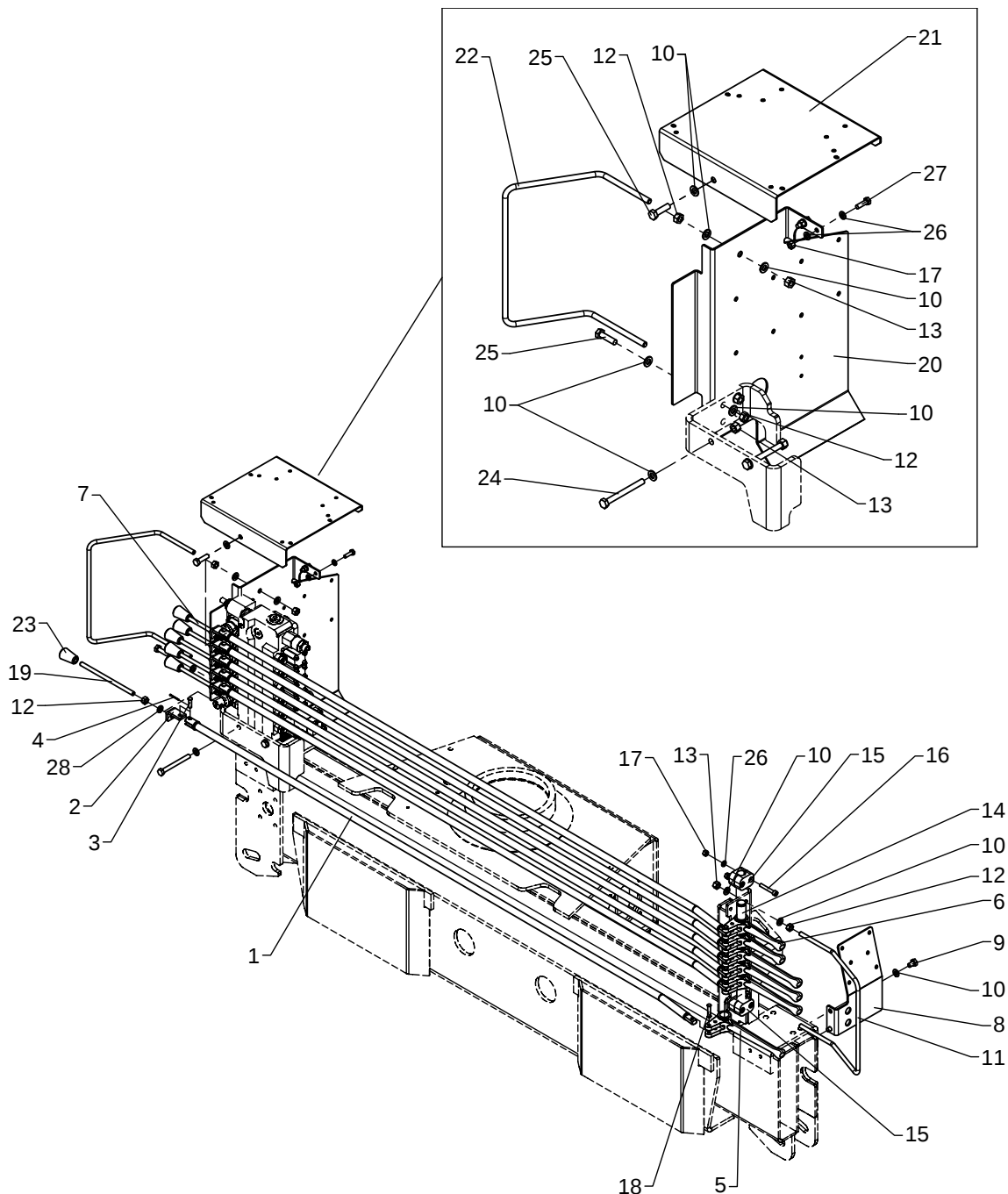
5/33: 082 05 101: 20090601

**VALVE BRACKET AND DUAL CONTROL M50**

|     |         |                                |    |
|-----|---------|--------------------------------|----|
| 1.  | 1297853 | CONNECTING ROD                 | 6  |
| 2.  | 1297904 | FITTINGS, CONNECTING ROD       | 6  |
| 3.  | 31271   | COTTER BOLT Ø6 X 21            | 6  |
| 4.  | 31601   | SPLIT PIN, STAINLESS Ø1,6 X 20 | 6  |
| 5.  | 63444   | LEVER FOR DUAL CONTROLS        | 4  |
| 6.  | 63446   | LEVER FOR DUAL CONTROLS        | 2  |
| 7.  | 1320252 | CONTROL LEVER, SHORT, STRAIGHT | 2  |
| 8.  | 1297933 | BRACKET FOR STOP BUTTON        | 1  |
| 9.  | 30130   | SET SCREW, STAINLESS M8 X 12   | 2  |
| 10. | 31147   | WASHER, STAINLESS 8 MM         | 15 |
| 11. | 1297923 | SAFETY GUARD, CTRL LEVER       | 1  |
| 12. | 30856   | NUT, STAINLESS                 | 11 |
| 13. | 30886   | LOCK NUT, STAINLESS M8         | 6  |
| 14. | 6660954 | PIN FOR 5 LEVERS               | 1  |

**PARTS-32**

|     |         |                               |   |
|-----|---------|-------------------------------|---|
| 15. | 31428   | CLAMP                         | 2 |
| 16. | 32414   | SCREW MC6 X 40                | 4 |
| 17. | 30884   | LOCK NUT, STAINLESS M6        | 6 |
| 18. | 63468   | PLIT PIN WITH SPRING LOCK     | 6 |
| 19. | 1320253 | CONTROL LEVER, LONG, STRAIGHT | 4 |
| 20. | 1297873 | PROTECTION PLATE              | 1 |
| 21. | 1297883 | PROTECTION PLATE              | 1 |
| 22. | 1297913 | SAFETY GUARD, CTRL LEVER      | 1 |
| 23. | 59224   | KNOB FOR LEVER                | 6 |
| 24. | 30143   | STEEL BOLT, STAINLESS M8 X 80 | 2 |
| 25. | 30135   | SET SCREW, STAINLESS M8 X 30  | 2 |
| 26. | 32302   | FACE WASHER, STAINLESS 6 MM   | 8 |
| 27. | 30113   | SET SCREW, STAINLESS M6 X 20  | 2 |
| 28. | 31155   | SPRING WASHER 8 MM            | 6 |



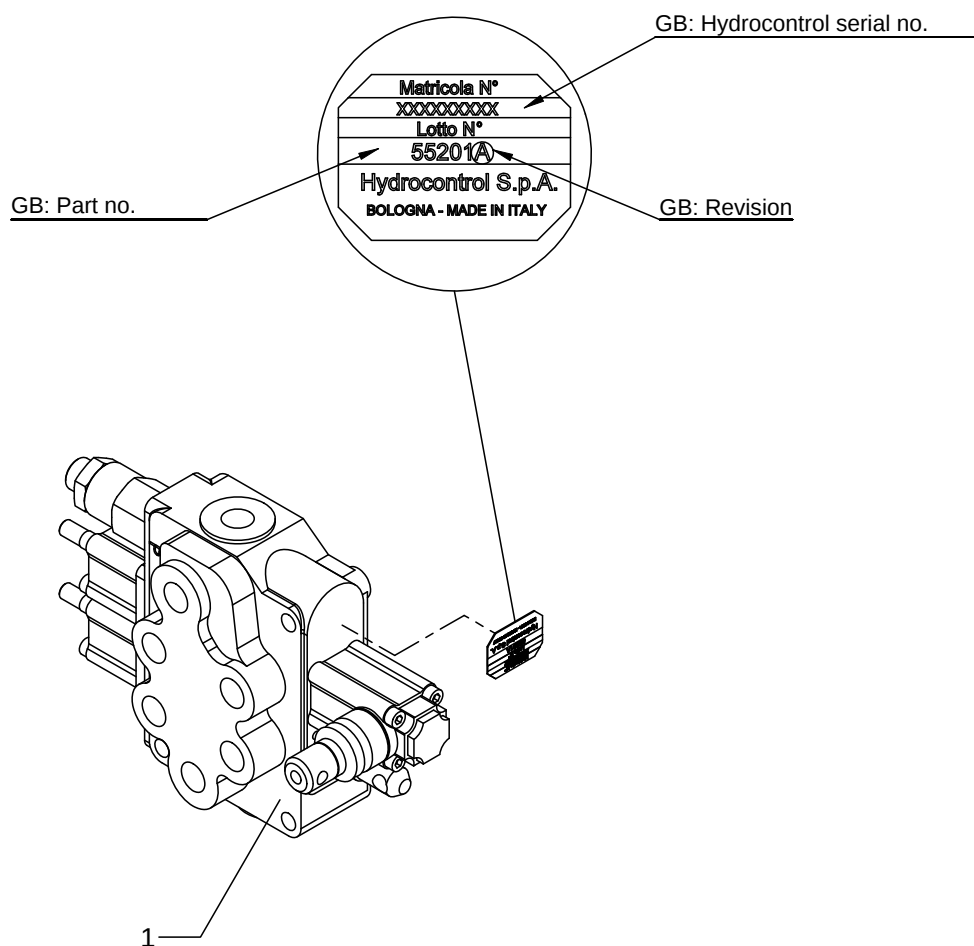


5/33: 082 05 015: 20090601

PARTS-33

**VALVE BLOCK FOR SERIAL CONNECTION**

1. 55 202 STABLIZER CONTROL VALVE 1



GB: With regard to other spare parts please see drawing no. 6650123

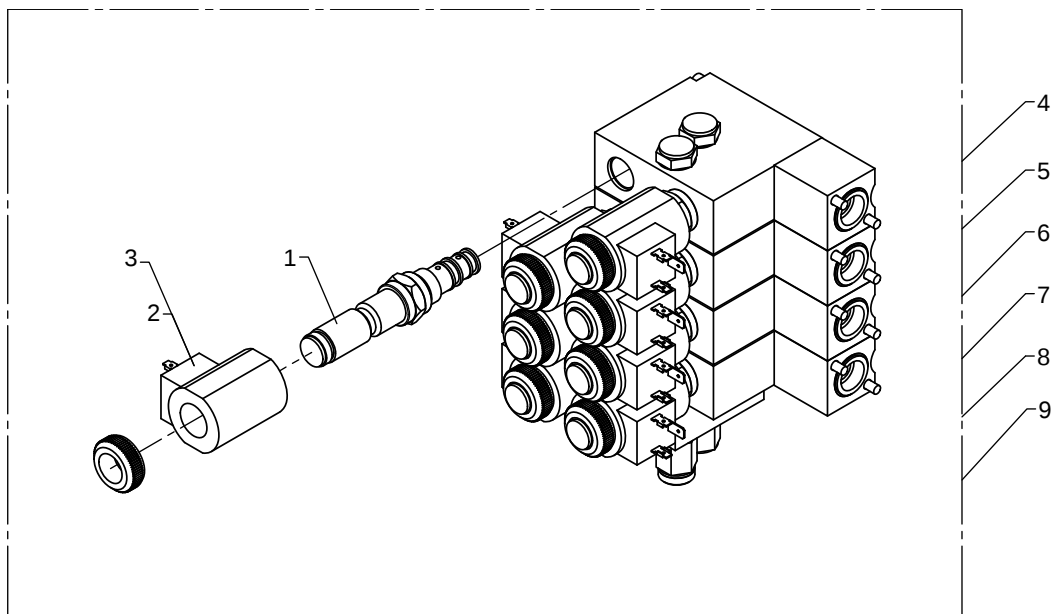


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PARTS-34

**ELECTRO-HYDRAULIC NEM-KIT, NEM RADIO REMOTE CONTROL**

1. 55 320 CARTRIDGE
2. 55 323 SOLENOID, 12V
3. 55 321 SOLENOID, 24V
4. 55 352 ELECTRO-HYDRAULIC NEM-KIT  
4 X 12V
5. 55 351 ELECTRO-HYDRAULIC NEM-KIT  
4 X 24V
6. 55 354 ELECTRO-HYDRAULIC NEM-KIT  
5 X 12V
7. 55 353 ELECTRO-HYDRAULIC NEM-KIT  
5 X 24V
8. 55 356 ELECTRO-HYDRAULIC NEM-KIT  
6 X 12V
9. 55 355 ELECTRO-HYDRAULIC NEM-KIT  
6 X 24V



GB: With regard to other spare parts please see to drawing no. 6650103

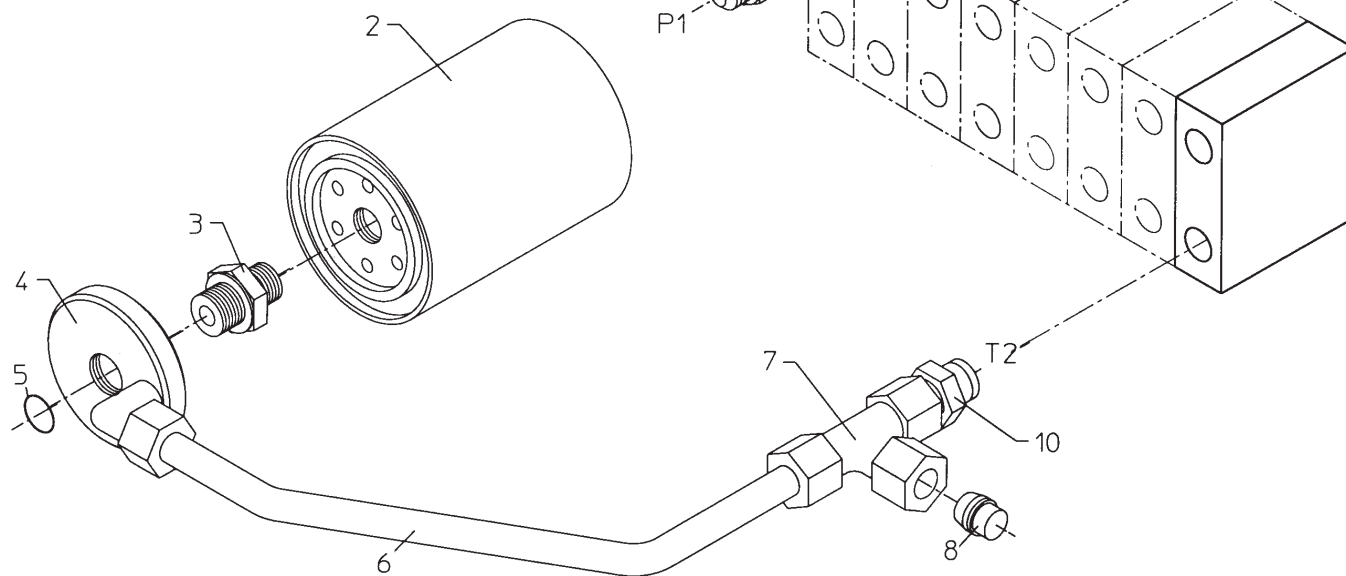


5/33: 450 05 150: 19990630

PARTS-35

**HYDRAULIC SYSTEM-PUMP & TANK-RS150**

|     |           |                      |   |
|-----|-----------|----------------------|---|
| 1.  | 26 103    | PRESSURE GAUGE CONN. | 1 |
| 2.  | 60 212    | FILTER               | 1 |
| 3.  | 25 745    | CONNECTION           | 1 |
| 4.  | 12 61 833 | FITTINGS             | 1 |
| 5.  | 20 145    | O-RING 18.72X2.62    | 1 |
| 6.  | 13 12 334 | PIPE                 | 1 |
| 7.  | 25 142    | CONNECTION           | 1 |
| 8.  | 26 168    | BLANKING PLUG        | 1 |
| 9.  | 25 831    | CONNECTION           | 1 |
| 10. | 25 143    | CONNECTION           | 1 |



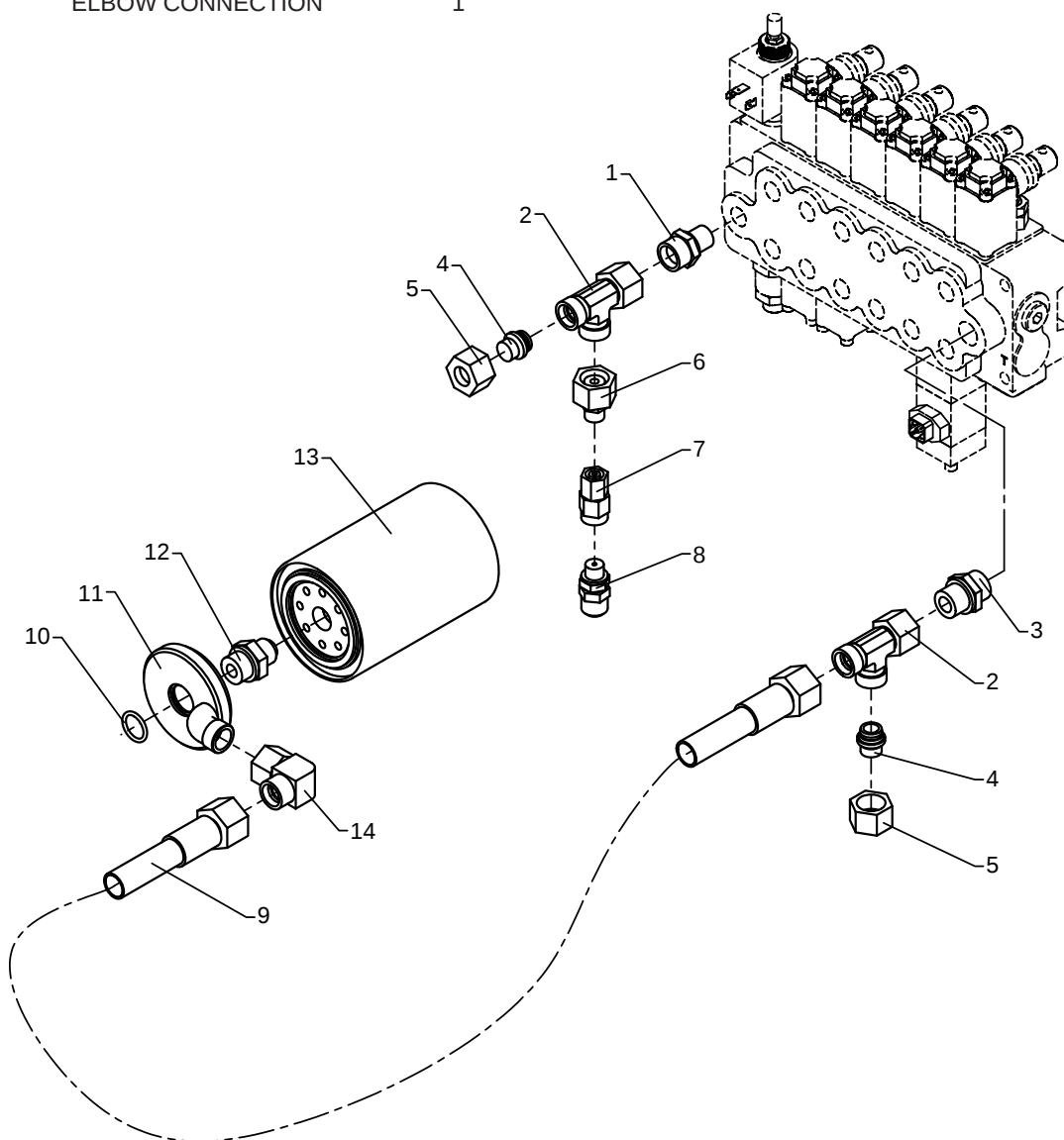


5/33: 082 05 151: 20090601

PARTS-36

**HYDRAULIC SYSTEM-PUMP & TANK-M50**

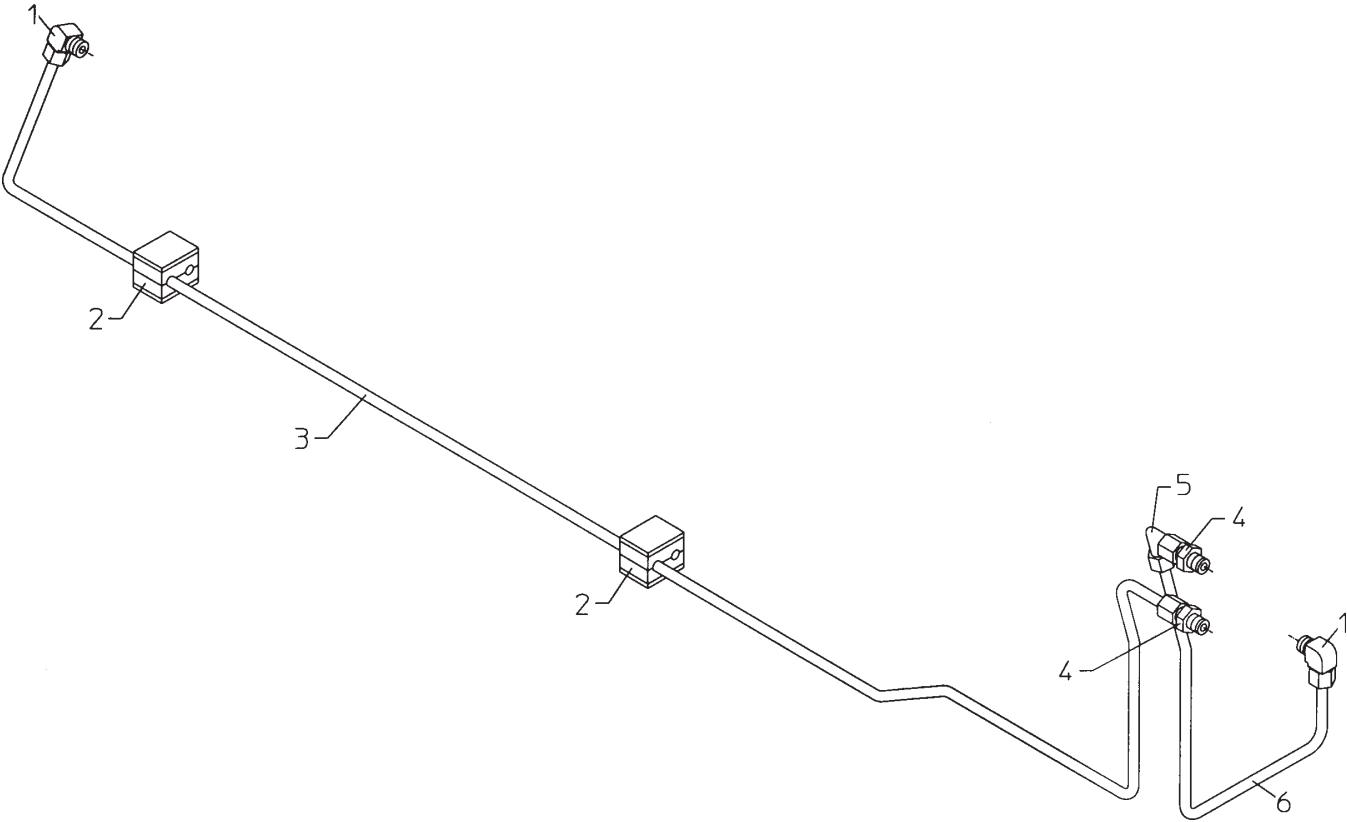
|     |         |                              |   |
|-----|---------|------------------------------|---|
| 1.  | 25273   | CONNECTION                   | 1 |
| 2.  | 26142   | CONNECTION                   | 2 |
| 3.  | 25143   | CONNECTION                   | 1 |
| 4.  | 26168   | BLANKING PLUG                | 2 |
| 5.  | 25184   | COUPLING NUT M15             | 2 |
| 6.  | 25160   | REDUCING CONNECTION          | 1 |
| 7.  | 26370   | PRESSURE GAUGE<br>CONNECTION | 1 |
| 8.  | 26103   | PRESSURE-GAUGE CONNECT.      | 1 |
| 9.  | 56270   | HOSE                         | 1 |
| 10. | 20145   | O-RING OR 18,72 X 2,62       | 1 |
| 11. | 1261833 | FITTINGS                     | 1 |
| 12. | 25832   | STRAIGHT CONNECTION          | 1 |
| 13. | 60212   | FILTER                       | 1 |
| 14. | 25284   | ELBOW CONNECTION             | 1 |





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**HYDRAULIC SYSTEM-ROTATION CYLINDER-RS150**

|    |           |             |   |
|----|-----------|-------------|---|
| 1. | 25 117    | CONNECTION  | 2 |
| 2. | 31 417    | CLAMP 2X8MM | 2 |
| 3. | 13 12 313 | PIPE        | 1 |
| 4. | 25 109    | CONNECTION  | 2 |
| 5. | 25 248    | CONNECTION  | 1 |
| 6. | 13 12 324 | PIPE        | 1 |





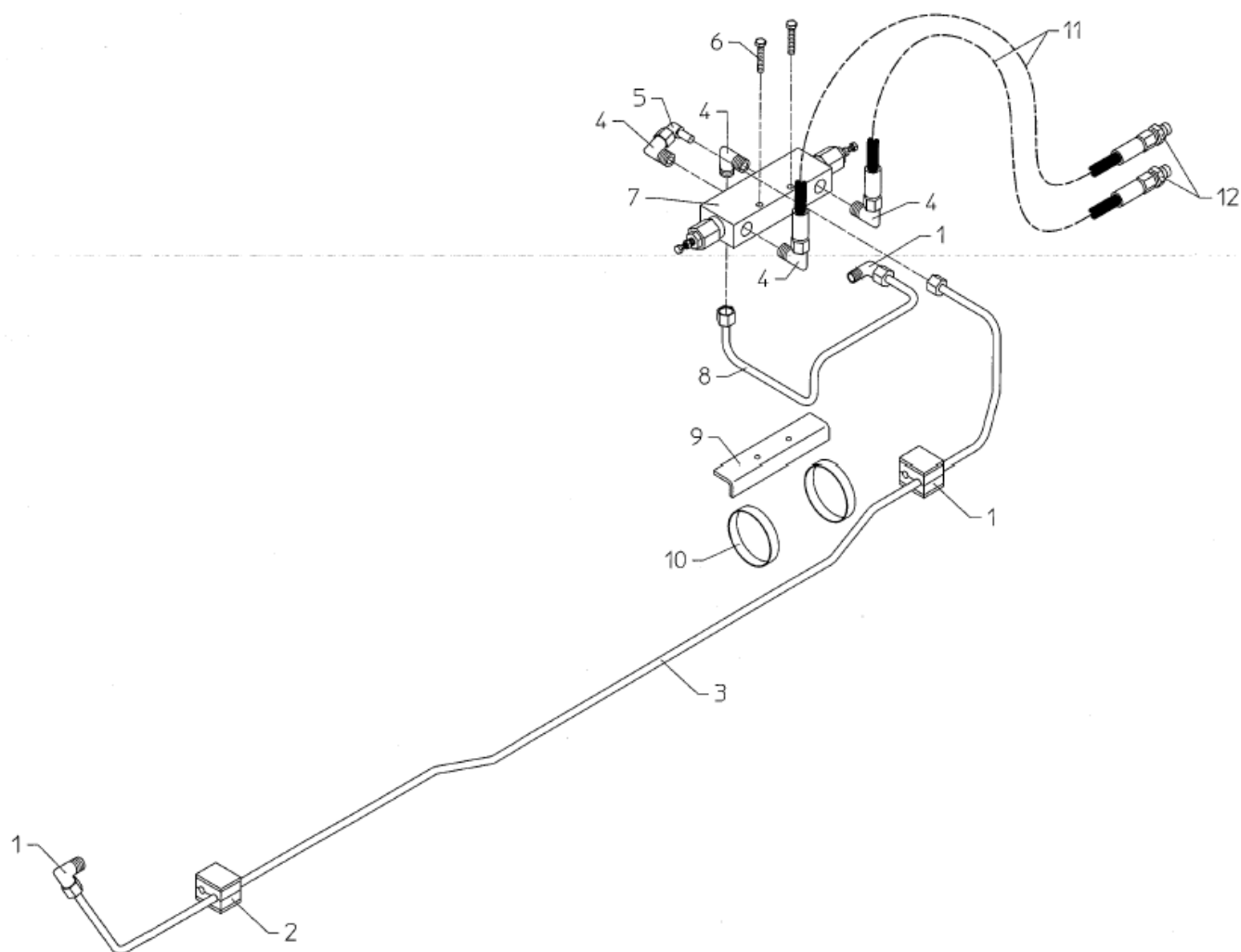
5/33: 082 05 220: 20090601

PARTS-38

**HYDRAULIC SYSTEM-ROTATION CYLINDER WITH LHV**

|     |           |                    |   |
|-----|-----------|--------------------|---|
| 1.  | 25 900    | CONNECTION         | 2 |
| 2.  | 31 417    | CLAMP              | 2 |
| 3.  | 13 12 684 | PIPE               | 1 |
| 4.  | 25 922    | CONNECTION         | 2 |
| 5.  | 25 248    | CONNECTION         | 1 |
| 6.  | 30 116    | STEEL BOLT M6X35   | 2 |
| 7.  | 59 977    | LOAD HOLDING VALVE | 1 |
| 8.  | 13 12 693 | PIPE               | 1 |
| 9.  | 13 01 904 | PLATE              | 1 |
| 10. | 31 407    | CLIP               | 2 |
| 11. | 62 536    | HOSE, 1/4" X 350   | 2 |
| 12. | 25 109    | CONNECTION         | 2 |

NOTE: AVAILABLE FOR DANFOSS PVG32, SERIAL # 640001 ONWARD. AVAILABLE FOR NORDHYDRAULIC RS150 SERIAL NO. 640001 THROUGH 640609.



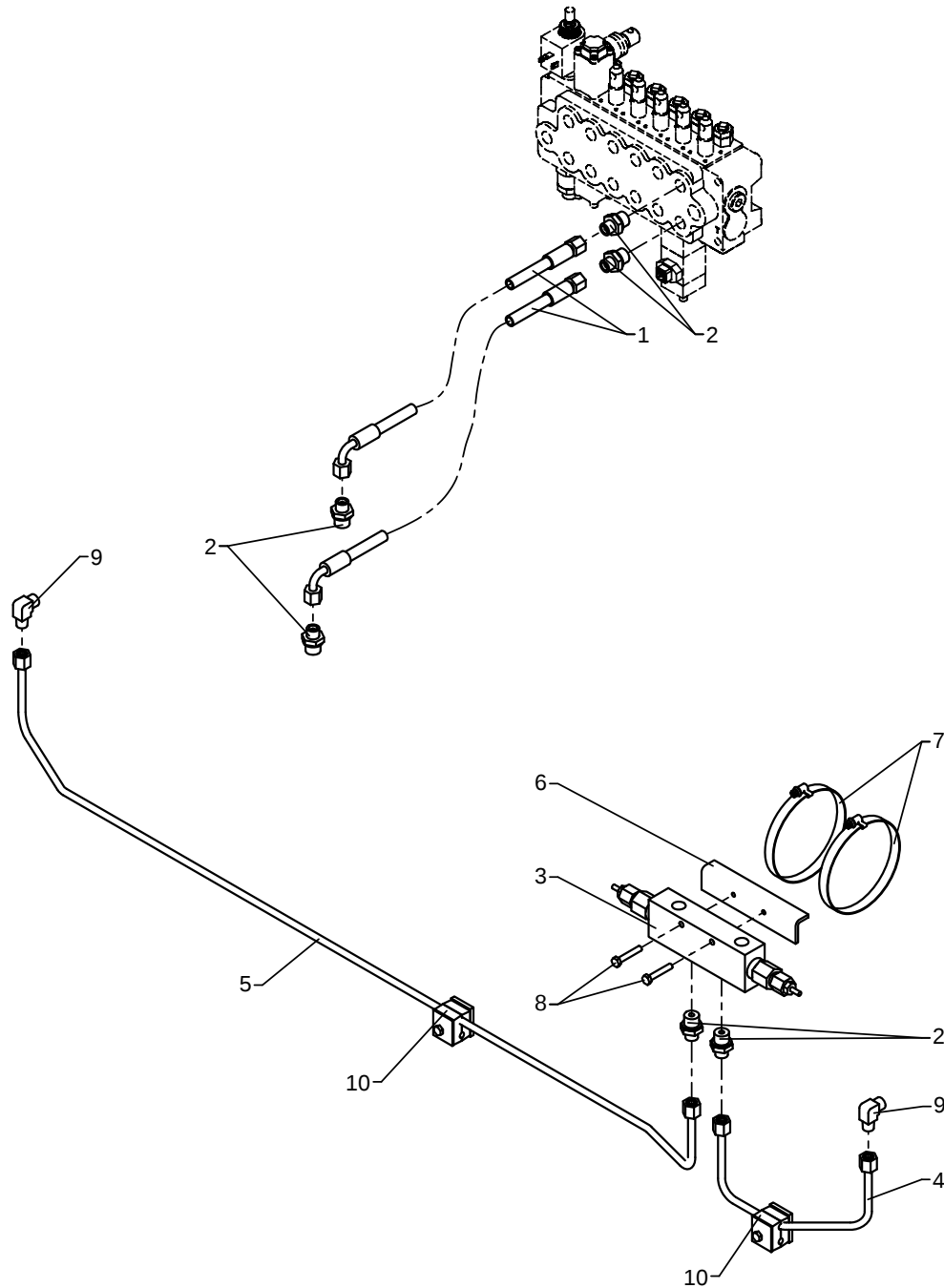


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PARTS-39

**HYDRAULIC SYSTEM-ROTATION CYLINDER WITH LHV, M50**

|     |         |                                 |   |
|-----|---------|---------------------------------|---|
| 1.  | 62525   | HOSE                            | 2 |
| 2.  | 25244   | CONNECTION                      | 6 |
| 3.  | 59977   | LOAD-HOLDING VALVE              | 1 |
| 4.  | 1297953 | PIPE, SLEW PORT A, LHV          | 1 |
| 5.  | 1297963 | PIPE, SLEW PORT B, LHV          | 1 |
| 6.  | 1301904 | PLATE                           | 1 |
| 7.  | 31407   | CLIP                            | 2 |
| 8.  | 30116   | STEEL BOLT, STAINLESS M6 X 35 2 |   |
| 9.  | 25900   | ELBOW CONNECTION                | 2 |
| 10. | 31417   | CLAMP                           | 2 |



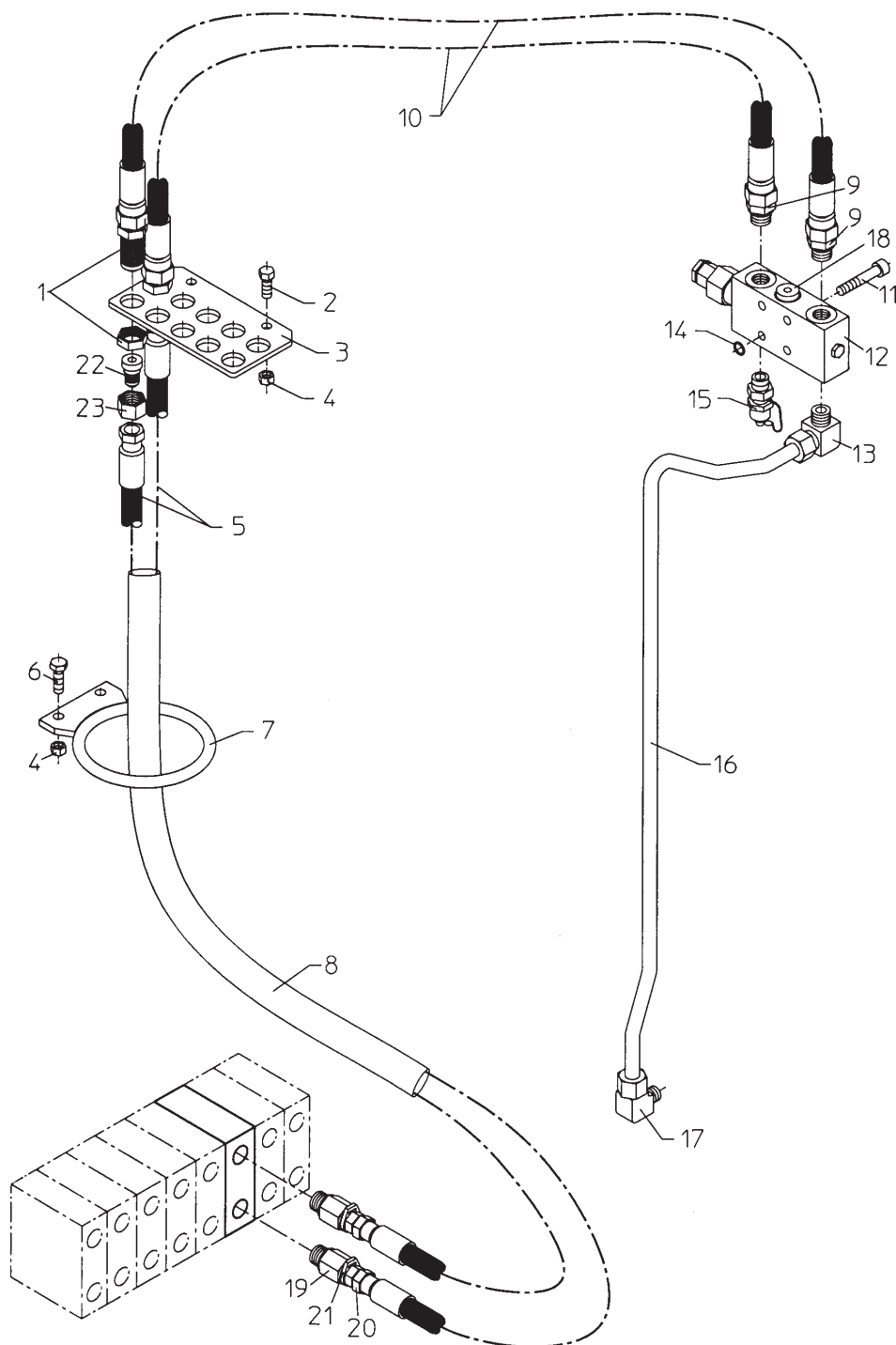


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PARTS-40

**HYDRAULIC SYSTEM-INNER BOOM CYLINDER-C90-600**

|     |           |                    |   |     |           |                      |   |
|-----|-----------|--------------------|---|-----|-----------|----------------------|---|
| 1.  | 25 824    | CONNECTION         | 2 | 13. | 25 132    | CONNECTION           | 1 |
| 2.  | 30 132    | SET SCR M8X20      | 2 | 14. | 20 138    | O-RING 10.77X2.62    |   |
| 3.  | 66 094    | CLAMP              | 1 | 15. | 26 103    | PRESSURE GAUGE CONN. | 1 |
| 4.  | 30 886    | LOCK NUT M8        | 4 | 16. | 13 12 184 | PIPE                 | 1 |
| 5.  | 62 860    | HOSE 3/8"X2200 O/O | 2 | 17. | 25 134    | CONNECTION           | 1 |
| 6.  | 30 134    | SET SCR M8X25      | 2 | 18. | 25 197    | PLUG                 |   |
| 7.  | 12 94 054 | HOSE GUIDE         | 1 | 19. | 25 887    | CONNECTION           | 2 |
| 8.  | 62 598    | PROTECTIVE COVER   | 1 | 20. | 25 878    | ADAPTER              | 2 |
| 9.  | 25 831    | CONNECTION         | 2 | 21. | 25 885    | DISMOUNTING RING     | 2 |
| 10. | 62 857    | HOSE 3/8"X1150 O/O | 2 | 22. | 25 846    | CONNECTION           | 2 |
| 11. | 30 445    | SCREW MC8X40       | 4 | 23. | 25 845    | CONNECTION           | 2 |
| 12. | 59 955    | LOAD HOLDING VALVE | 1 |     |           |                      |   |





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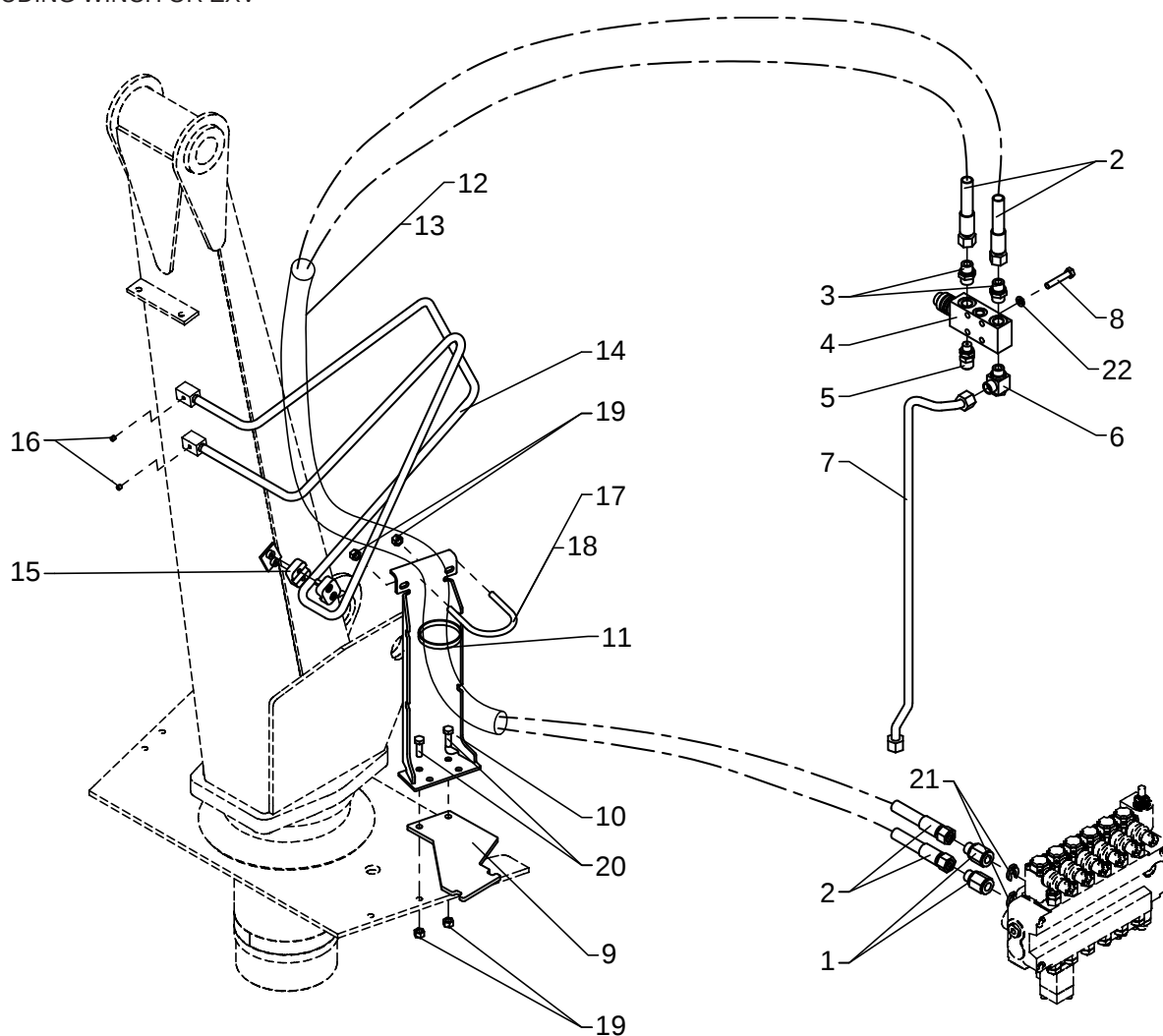
PARTS-41

**HYDRAULIC SYSTEM-INNER BOOM CYLINDER-C=6 O'CLOCK, M50**

|     |         |                            |   |
|-----|---------|----------------------------|---|
| 1.  | 25887   | CONNECTION                 | 2 |
| 2.  | 19520   | HOSE                       | 2 |
| 3.  | 25127   | CONNECTION                 | 2 |
| 4.  | 59955   | LOAD-HOLDING VALVE         | 1 |
| 5.  | 26103   | PRESSURE-GAUGE CONN.       | 1 |
| 6.  | 25130   | BANJO CONNECTION           | 1 |
| 7.  | 1312184 | PIPE                       | 1 |
| 8.  | 30138   | STEEL BOLT, SS M8X45       | 1 |
| 9.  | 1298173 | PLATE FOR HOSE BRACKET     | 1 |
| 10. | 1298142 | HOSE BRACKET               | 1 |
| 11. | 27275   | CLIP                       | 1 |
| 12. | 62599   | PROTECTIVE COVER *         | 1 |
| 13. | 62602   | PROTECTIVE COVER **        | 1 |
| 14. | 1298123 | HOSE GUIDE                 | 1 |
| 15. | 31425   | CLAMP                      | 1 |
| 16. | 31548   | POINTED SCREW, SS MSP6X6 2 |   |
| 17. | 31816   | HOSE CLIP *                | 1 |
| 18. | 31884   | HOSE CLIP **               | 1 |
| 19. | 30886   | LOCK NUT, STAINLESS M8     | 4 |
| 20. | 30134   | SET SCREW, SS M8X25        | 2 |
| 21. | 25885   | SNAP RING                  | 2 |
| 22. | 31155   | SPRING WASHER 8MM          | 1 |

\* EXCLUDING WINCH OR EXV

\*\* INCLUDING WINCH OR EXV





5/33: 082 05 270: 20090601

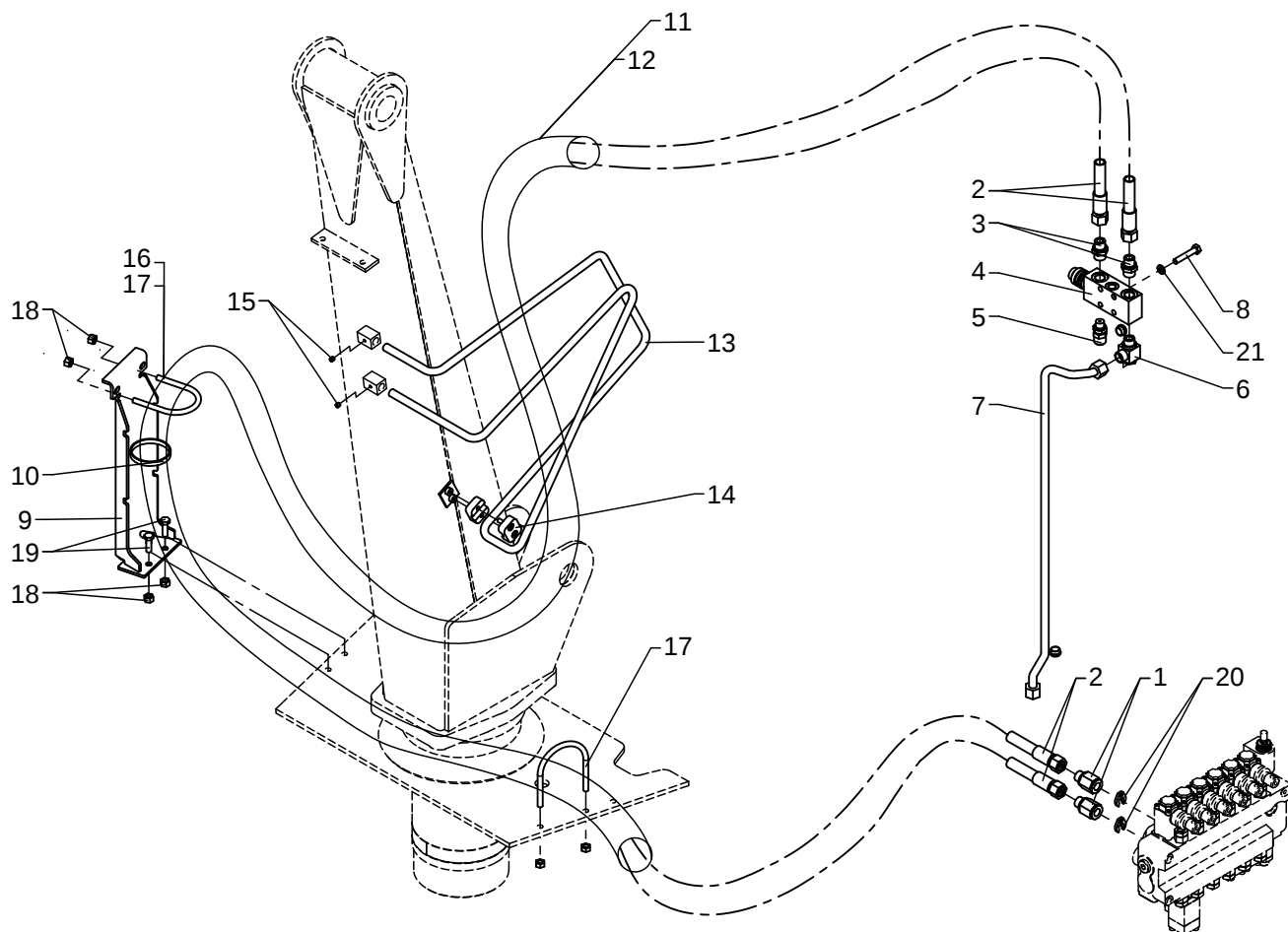
PARTS-42

**HYDRAULIC SYSTEM-INNER BOOM CYLINDER-C=12 O'CLOCK, M50**

|     |         |                          |   |
|-----|---------|--------------------------|---|
| 1.  | 25887   | CONNECTION               | 2 |
| 2.  | 56455   | HOSE                     | 2 |
| 3.  | 25127   | CONNECTION               | 2 |
| 4.  | 59955   | LOAD-HOLDING VALVE       | 1 |
| 5.  | 26103   | PRESSURE-GAUGE CONN.     | 1 |
| 6.  | 25130   | BANJO CONNECTION         | 1 |
| 7.  | 1312184 | PIPE                     | 1 |
| 8.  | 30138   | STEEL BOLT, SS M8X45     | 1 |
| 9.  | 1298142 | HOSE BRACKET             | 1 |
| 10. | 27275   | CLIP                     | 1 |
| 11. | 62599   | PROTECTIVE COVER *       | 1 |
| 12. | 62602   | PROTECTIVE COVER **      | 1 |
| 13. | 1298123 | HOSE GUIDE               | 1 |
| 14. | 31425   | CLAMP                    | 1 |
| 15. | 31548   | POINTED SCREW, SS MSP6X6 | 2 |
| 16. | 31816   | HOSE CLIP *              | 1 |
| 17. | 31884   | HOSE CLIP **             | 2 |
| 18. | 30886   | LOCK NUT, STAINLESS M8   | 4 |
| 19. | 30134   | SET SCREW, SS M8X25      | 2 |
| 20. | 25885   | SNAP RING                | 2 |
| 21. | 31155   | SPRING WASHER 8MM        | 1 |

\* EXCLUDING WINCH OR EXV

\*\* INCLUDING WINCH OR EXV



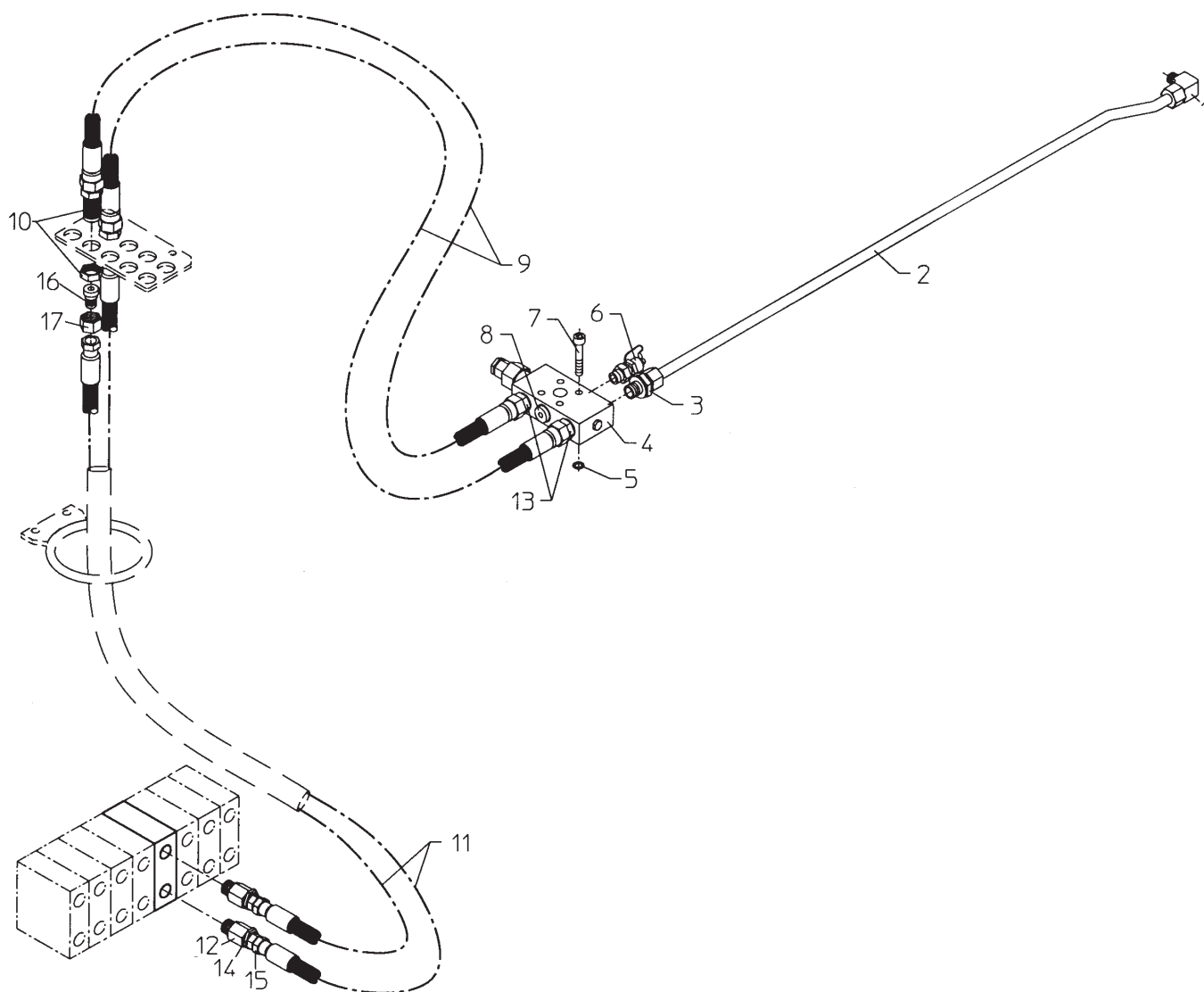


5/33: 450 05 300: 19990630

PARTS-43

**HYDRAULIC SYSTEM-OUTER BOOM CYLINDER-C110-760**

|     |           |                      |   |
|-----|-----------|----------------------|---|
| 1.  | 25 134    | CONNECTION           | 1 |
| 2.  | 13 12 194 | PIPE                 | 1 |
| 3.  | 25 127    | CONNECTION           | 1 |
| 4.  | 59 955    | LOAD HOLDING VALVE   | 1 |
| 5.  | 20 138    | O-RING 10.77X2.62    |   |
| 6.  | 26 103    | PRESSURE GAUGE CONN. | 1 |
| 7.  | 30 445    | SCREW MC8X40         | 4 |
| 8.  | 25 197    | PLUG                 | 1 |
| 9.  | 62 857    | HOSE 3/8"X1150 O/O   | 2 |
| 10. | 25 824    | CONNECTION           | 2 |
| 11. | 62 860    | HOSE 3/8"X2200 O/O   | 2 |
| 12. | 25 887    | CONNECTION           | 2 |
| 13. | 25 831    | CONNECTION           | 2 |
| 14. | 25 885    | DISMOUNTING RING     | 2 |
| 15. | 25 878    | ADAPTER              | 2 |
| 16. | 25 846    | CONNECTION           | 2 |
| 17. | 25 845    | CONNECTION           | 2 |



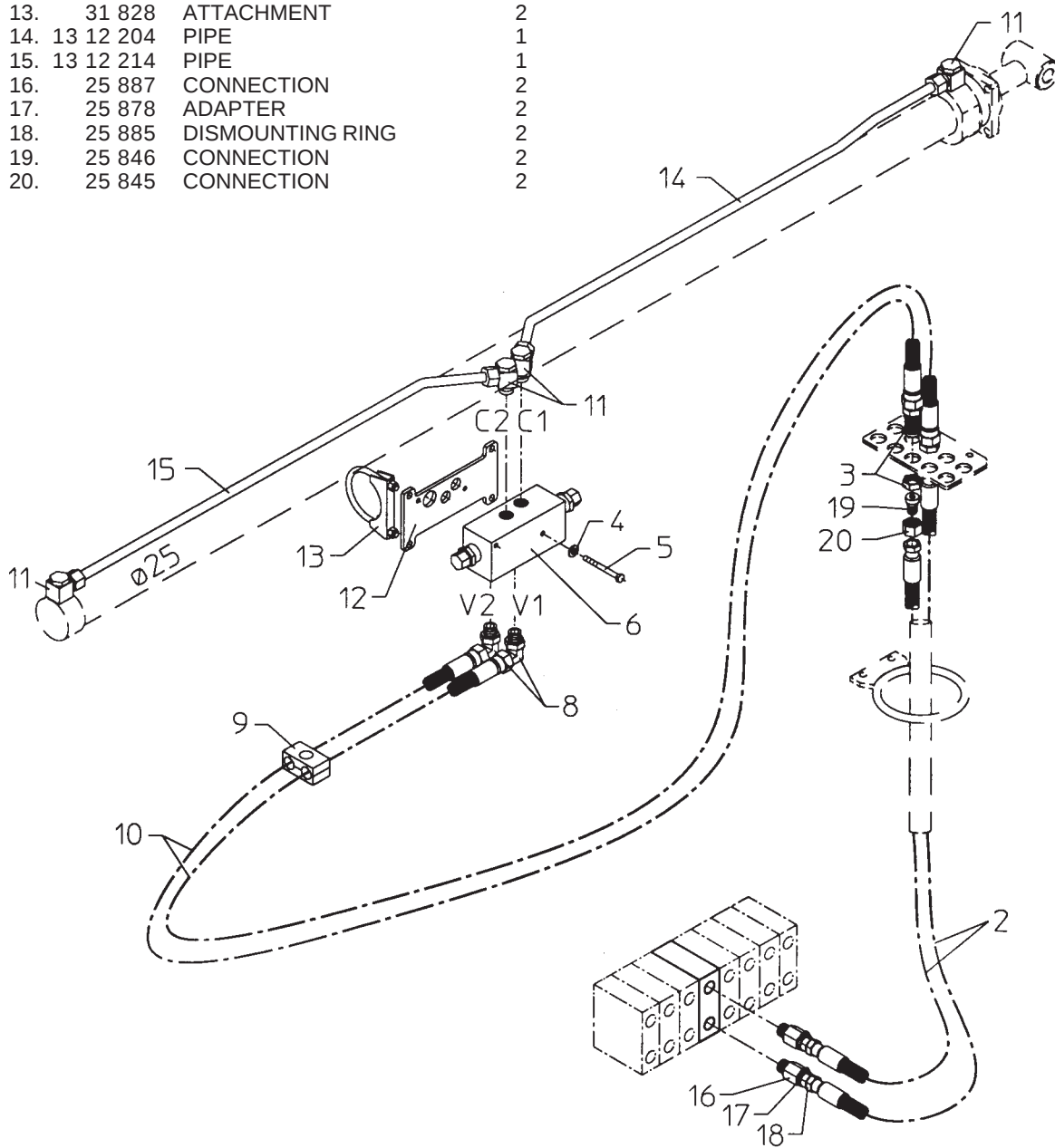


5/33: 450 05 350: 19990630

PARTS-44

**HYDRAULIC SYSTEM-EXT CYLINDER-1H-C45-1485**

|     |           |                    |   |
|-----|-----------|--------------------|---|
| 1.  | 25 127    | CONNECTION         | 1 |
| 2.  | 62 860    | HOSE 3/8"X2200 O/O | 2 |
| 3.  | 25 824    | CONNECTION         | 2 |
| 4.  | 31 154    | SPRING WASHER 6MM  | 2 |
| 5.  | 30 120    | STEEL BOLT M6X60   | 2 |
| 6.  | 59 022    | REGENERATION VALVE | 1 |
| 8.  | 25 838    | CONNECTION         | 2 |
| 9.  | 31 815    | CLAMP              | 2 |
| 10. | 62 863    | HOSE 3/8"X3400 O/O | 2 |
| 11. | 25 130    | BANJO CONNECTION   | 4 |
| 12. | 66 087    | BRACKET            | 1 |
| 13. | 31 828    | ATTACHMENT         | 2 |
| 14. | 13 12 204 | PIPE               | 1 |
| 15. | 13 12 214 | PIPE               | 1 |
| 16. | 25 887    | CONNECTION         | 2 |
| 17. | 25 878    | ADAPTER            | 2 |
| 18. | 25 885    | DISMOUNTING RING   | 2 |
| 19. | 25 846    | CONNECTION         | 2 |
| 20. | 25 845    | CONNECTION         | 2 |



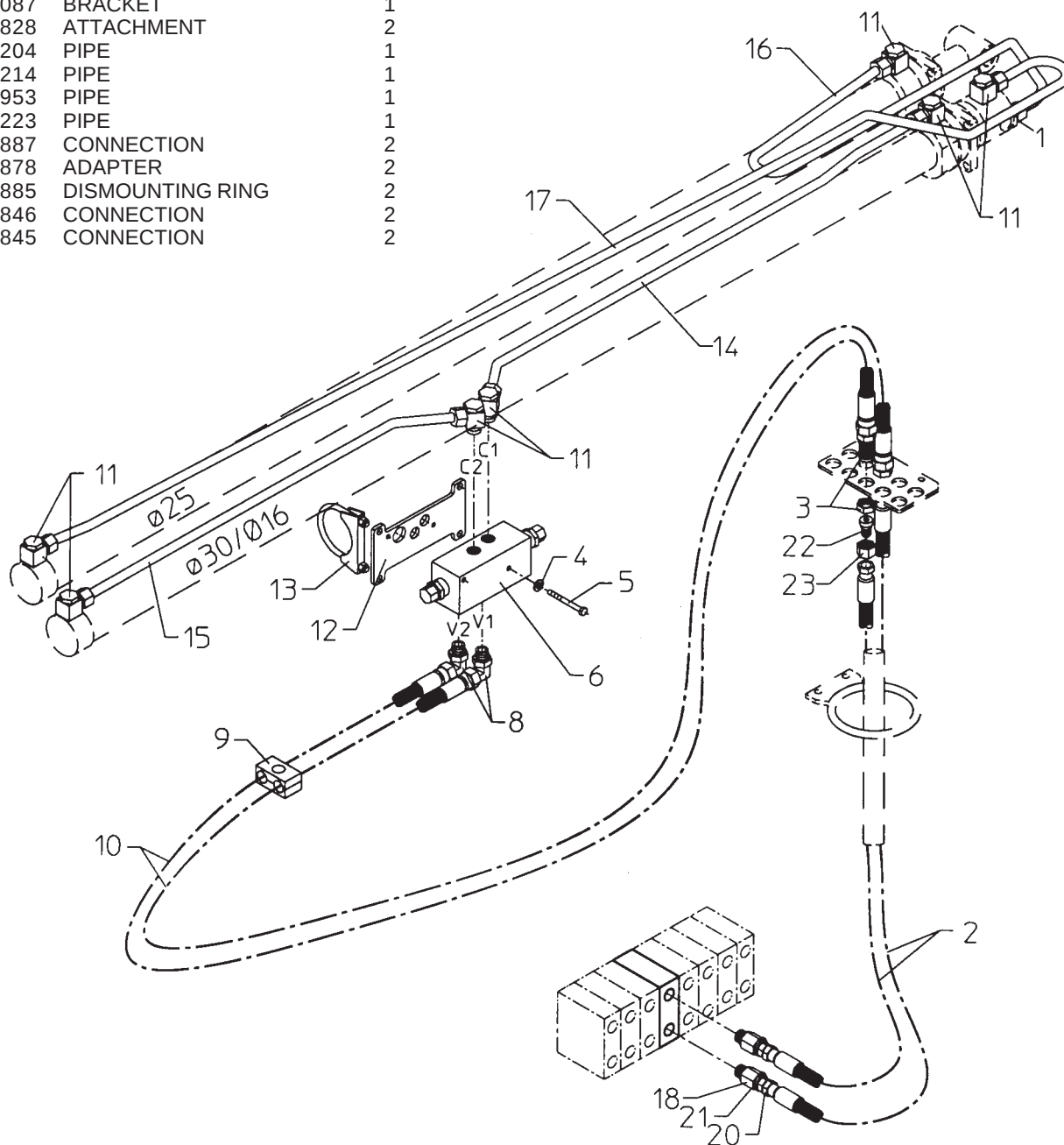


5/33: 450 05 360: 19990630

PARTS-45

**HYDRAULIC SYSTEM-EXT CYLINDER-2H-C45-1485**

|     |           |                    |   |
|-----|-----------|--------------------|---|
| 1.  | 25 127    | CONNECTION         | 2 |
| 2.  | 62 860    | HOSE 3/8"X2200 O/O | 2 |
| 3.  | 25 824    | CONNECTION         | 2 |
| 4.  | 31 154    | SPRING WASHER 6MM  | 2 |
| 5.  | 30 120    | STEEL BOLT M6X60   | 2 |
| 6.  | 59 022    | REGENERATION VALVE | 1 |
| 7.  | 25 242    | CONNECTION         | 1 |
| 8.  | 25 838    | CONNECTION         | 2 |
| 9.  | 31 815    | CLAMP              | 2 |
| 10. | 62 863    | HOSE 3/8"X3400 O/O | 2 |
| 11. | 25 130    | BANJO CONNECTION   | 7 |
| 12. | 66 087    | BRACKET            | 1 |
| 13. | 31 828    | ATTACHMENT         | 2 |
| 14. | 13 12 204 | PIPE               | 1 |
| 15. | 13 12 214 | PIPE               | 1 |
| 16. | 12 93 953 | PIPE               | 1 |
| 17. | 13 12 223 | PIPE               | 1 |
| 18. | 25 887    | CONNECTION         | 2 |
| 20. | 25 878    | ADAPTER            | 2 |
| 21. | 25 885    | DISMOUNTING RING   | 2 |
| 22. | 25 846    | CONNECTION         | 2 |
| 23. | 25 845    | CONNECTION         | 2 |



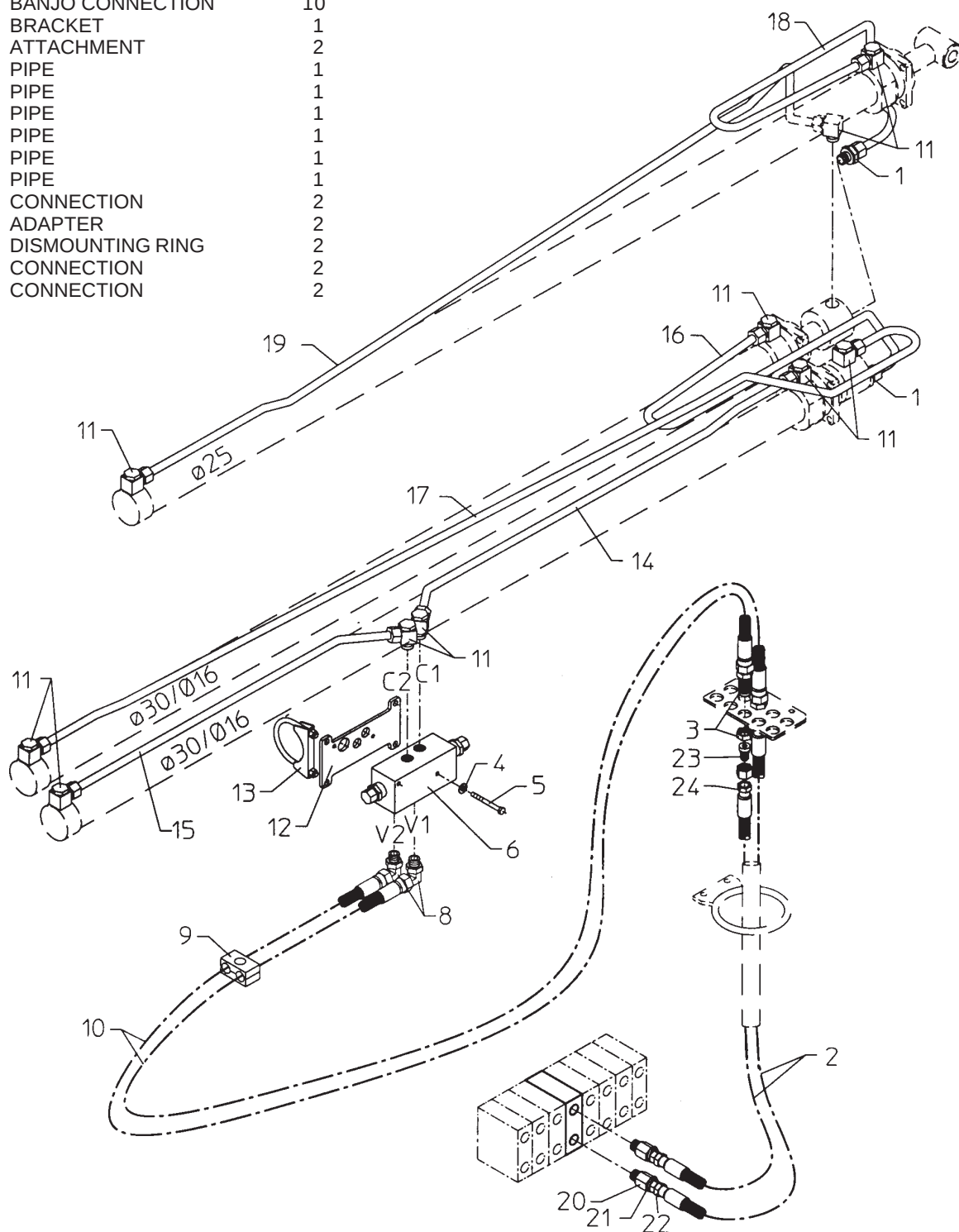


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PARTS-46

**HYDRAULIC SYSTEM-EXT CYLINDER-3H-C45-1485**

|     |           |                    |    |
|-----|-----------|--------------------|----|
| 1.  | 25 127    | CONNECTION         | 3  |
| 2.  | 62 860    | HOSE 3/8"X2200 O/O | 2  |
| 3.  | 25 824    | CONNECTION         | 2  |
| 4.  | 31 154    | SPRING WASHER 6MM  | 2  |
| 5.  | 30 120    | STEEL BOLT M6X60   | 2  |
| 6.  | 59 022    | REGENERATION VALVE | 1  |
| 7.  | 25 242    | CONNECTION         | 1  |
| 8.  | 25 838    | CONNECTION         | 2  |
| 9.  | 31 815    | CLAMP              | 2  |
| 10. | 62 863    | HOSE 3/8"X3400 O/O | 2  |
| 11. | 25 130    | BANJO CONNECTION   | 10 |
| 12. | 66 087    | BRACKET            | 1  |
| 13. | 31 828    | ATTACHMENT         | 2  |
| 14. | 13 12 204 | PIPE               | 1  |
| 15. | 13 12 214 | PIPE               | 1  |
| 16. | 12 93 953 | PIPE               | 1  |
| 17. | 13 12 223 | PIPE               | 1  |
| 18. | 12 93 943 | PIPE               | 1  |
| 19. | 13 12 233 | PIPE               | 1  |
| 20. | 25 887    | CONNECTION         | 2  |
| 21. | 25 878    | ADAPTER            | 2  |
| 22. | 25 885    | DISMOUNTING RING   | 2  |
| 23. | 25 846    | CONNECTION         | 2  |
| 24. | 25 845    | CONNECTION         | 2  |



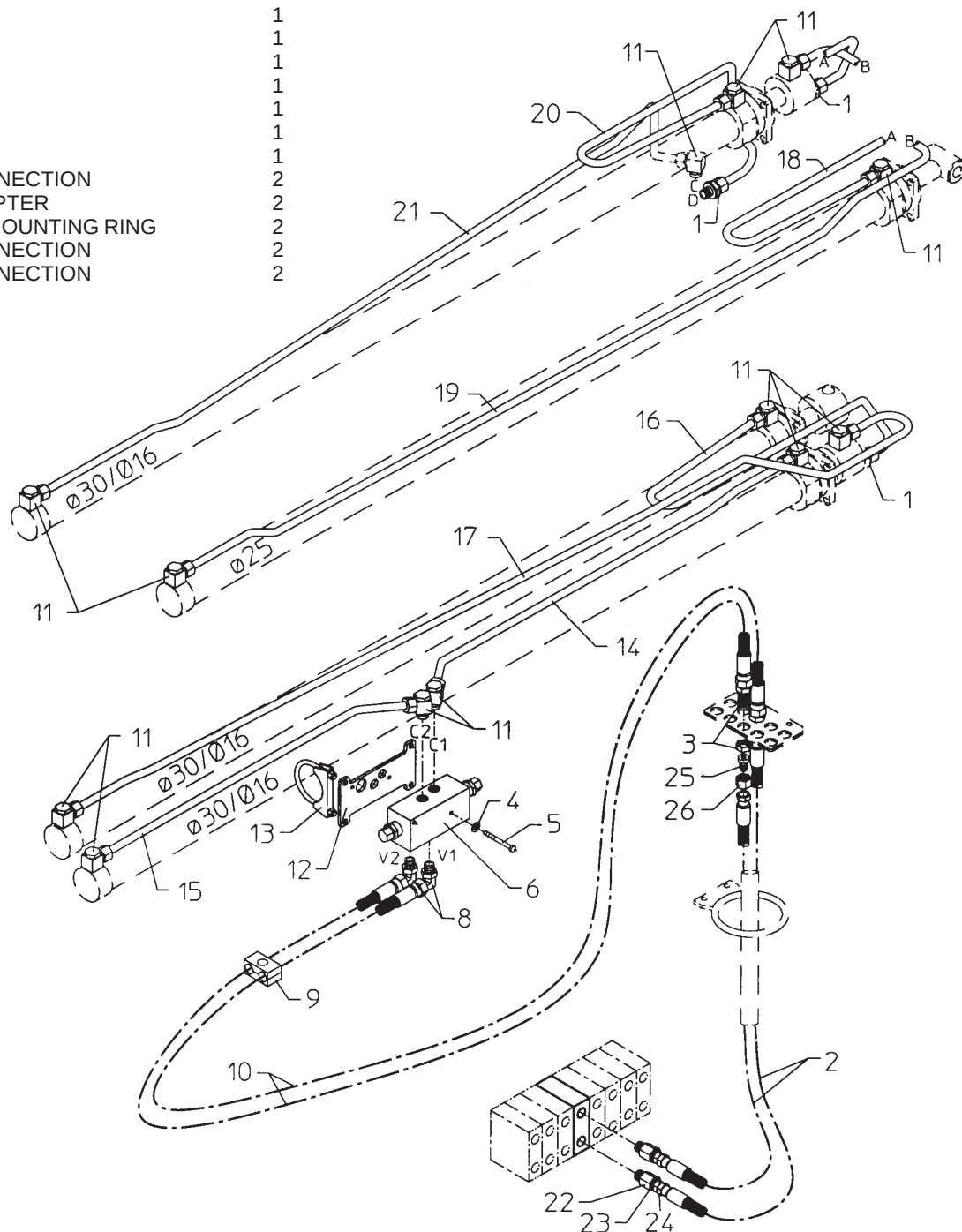


5/33: 450 05 380: 19990630

PARTS-47

**HYDRAULIC SYSTEM-EXT CYLINDER-4H-C45-1485**

|     |           |                    |    |
|-----|-----------|--------------------|----|
| 1.  | 25 127    | CONNECTION         | 4  |
| 2.  | 62 860    | HOSE 3/8"X2200 O/O | 2  |
| 3.  | 25 824    | CONNECTION         | 2  |
| 4.  | 31 154    | SPRING WASHER 6MM  | 2  |
| 5.  | 30 120    | STEEL BOLT M6X60   | 2  |
| 6.  | 59 022    | REGENERATION VALVE | 1  |
| 7.  | 25 242    | CONNECTION         | 1  |
| 8.  | 25 838    | CONNECTION         | 2  |
| 9.  | 31 815    | CLAMP              | 2  |
| 10. | 62 863    | HOSE 3/8"X3400 O/O | 2  |
| 11. | 25 130    | BANJO CONNECTION   | 13 |
| 12. | 66 087    | BRACKET            | 1  |
| 13. | 31 828    | ATTACHMENT         | 2  |
| 14. | 13 12 204 | PIPE               | 1  |
| 15. | 13 12 214 | PIPE               | 1  |
| 16. | 12 93 953 | PIPE               | 1  |
| 17. | 13 12 223 | PIPE               | 1  |
| 18. | 12 93 943 | PIPE               | 1  |
| 19. | 13 12 243 | PIPE               | 1  |
| 20. | 12 93 893 | PIPE               | 1  |
| 21. | 13 12 233 | PIPE               | 1  |
| 22. | 25 887    | CONNECTION         | 2  |
| 23. | 25 878    | ADAPTER            | 2  |
| 24. | 25 885    | DISMOUNTING RING   | 2  |
| 25. | 25 846    | CONNECTION         | 2  |
| 26. | 25 845    | CONNECTION         | 2  |



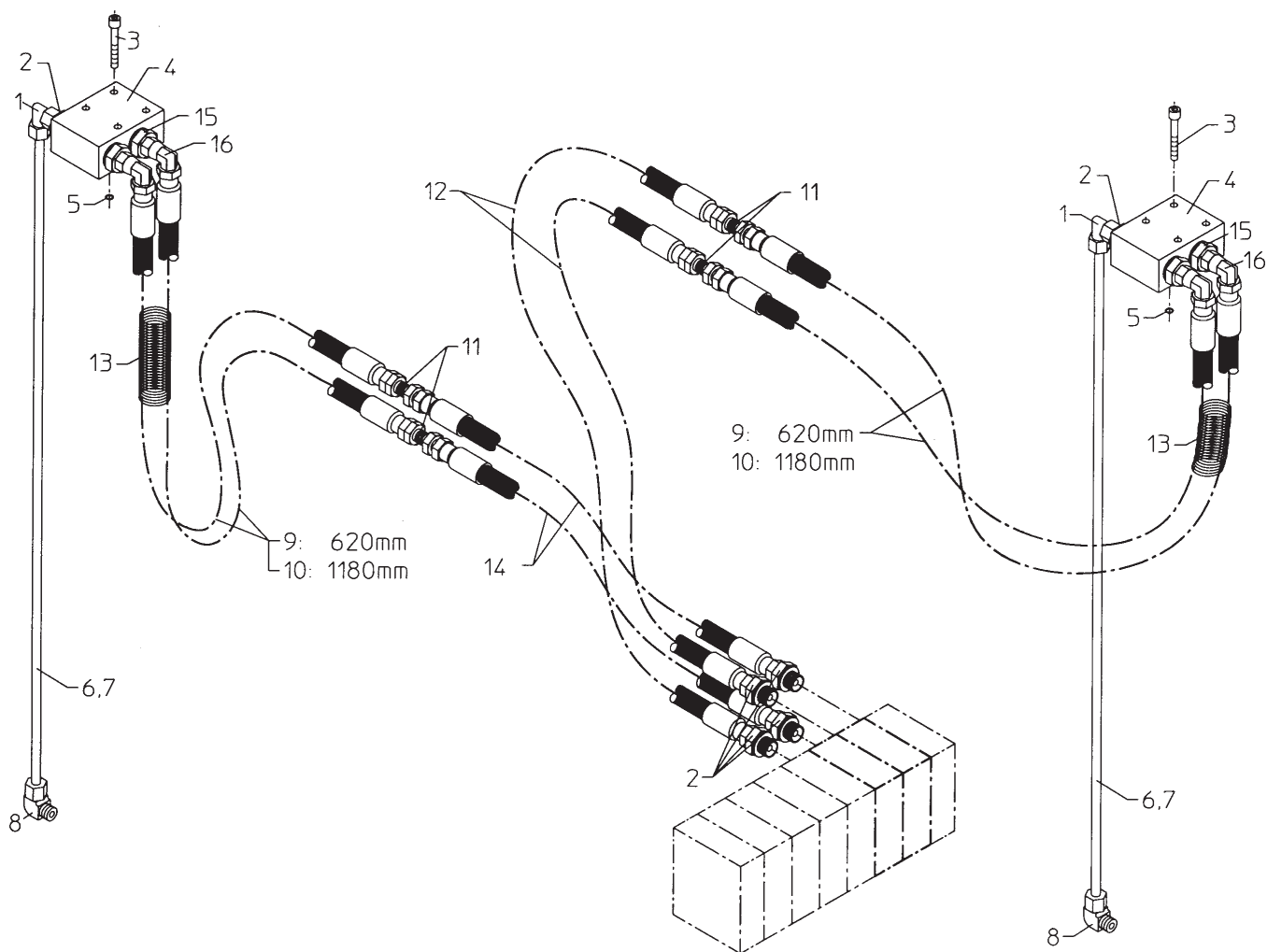


5/33: 450 05 450: 20111213

PARTS-48

**HYDRAULIC SYSTEM-STABILIZERS-TYPE SV/SR**

|     |           |                     |   |
|-----|-----------|---------------------|---|
| 1.  | 25 248    | CONNECTION          | 2 |
| 2.  | 25 244    | CONNECTION          | 2 |
| 3.  | 30 453    | SCREW MC10X25       | 8 |
| 4.  | 59 924    | PILOTED CHECK VALVE | 2 |
| 5.  | 20 137    | O-RING 9.19X2.62    |   |
| 6.  | 12 73 234 | PIPE 712MM          | 2 |
| 7.  | 12 67 464 | PIPE 618MM          | 2 |
| 8.  | 25 117    | CONNECTION          | 2 |
| 9.  | 62 852    | HOSE 3/8"X1050 O/O  | 4 |
| 10. | 62 872    | HOSE 3/8"X1600 O/O  | 4 |
| 11. | 25 823    | CONNECTION          | 4 |
| 12. | 62 851    | HOSE 1/4"X500 L/L   | 2 |
| 13. | 62 487    | SPIRAL              | 2 |
| 14. | 62 854    | HOSE 1/4"X1500 O/O  | 2 |
| 15. | 25 830    | CONNECTION          | 8 |
| 16. | 25 826    | CONNECTION          | 6 |



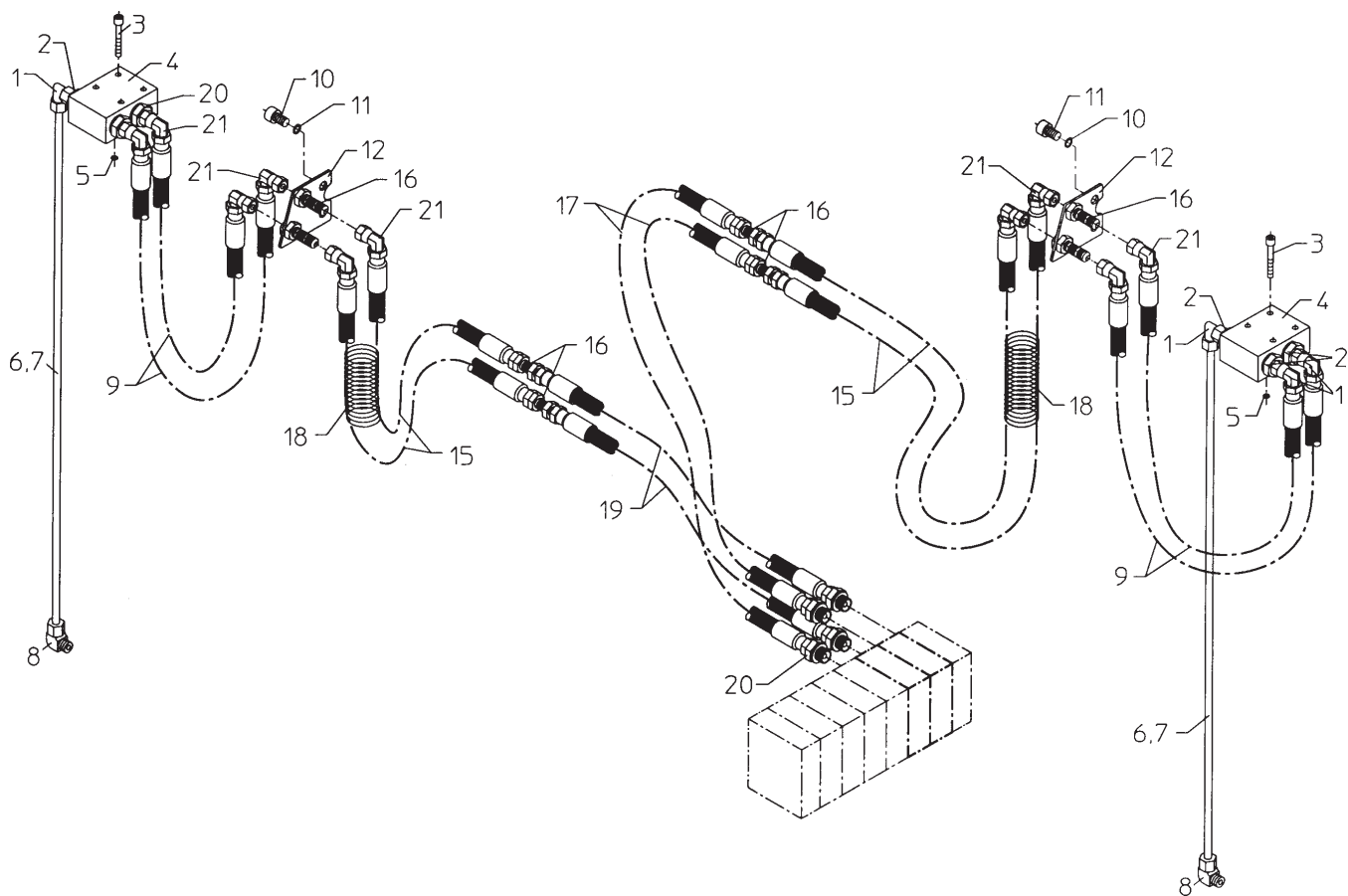


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PARTS-49

**HYDRAULIC SYSTEM-STABILIZERS-TYPE DV/DR**

|     |           |                           |    |
|-----|-----------|---------------------------|----|
| 1.  | 25 248    | CONNECTION                | 2  |
| 2.  | 25 244    | CONNECTION                | 2  |
| 3.  | 30 435    | SCREW MC6X45              | 8  |
| 4.  | 59 924    | PILOTED CHECK VALVE       | 2  |
| 5.  | 20 137    | O-RING 9.19X2.62          |    |
| 6.  | 12 73 234 | PIPE 712MM                | 2  |
| 7.  | 12 67 464 | PIPE 618MM                | 2  |
| 8.  | 25 117    | CONNECTION                | 2  |
| 9.  | 62 535    | HOSE 1/4"X650 O/O         | 4  |
| 10. | 30 964    | SCREW MC10X16             | 4  |
| 11. | 31 156    | SPRING WASHER 10MM        | 4  |
| 12. | 66 103    | PLATE                     | 1  |
| 13. | 21 102    | SEAL WASHER Ø14X18, 7X1.5 | 4  |
| 14. | 25 247    | CONNECTION                | 4  |
| 15. | 62 872    | HOSE 3/8"X1600 O/O        | 4  |
| 16. | 25 823    | CONNECTION                | 4  |
| 17. | 62 851    | HOSE 1/4"X500 L/L         | 2  |
| 18. | 62 487    | SPIRAL                    | 2  |
| 19. | 62 854    | HOSE 1/4"X1500 O/O        | 2  |
| 20. | 25 830    | CONNECTION                | 8  |
| 21. | 25 826    | CONNECTION                | 12 |





5/33: 99904676: 20111213

**DECAL PLACEMENT, 5/33 CRANE (99904676)**

|     |          |                            |      |
|-----|----------|----------------------------|------|
| 1.  | 95720380 | DECAL KIT-COMMON           | 1REF |
|     | 95721971 | DECAL KIT COMMON (SPANISH) | 1REF |
| 2.  | 70397053 | DECAL-GREASE, 4-9 TM       | 1    |
| 3.  | 70396919 | DECAL-DANGER SMALL         |      |
|     |          | ARTICULATING (PART OF #1)  | 2    |
| 4.  | 70392864 | DECAL-WARNING-STAB         |      |
|     |          | STAND CLEAR (PART OF #1)   | 2    |
| 5.  | 70392865 | DECAL-DANGER ELEC          |      |
|     |          | HAZARD LG (PART OF #1)     | 4    |
| 6.  | 70392868 | DECAL-WARNING CR LOADLINE  |      |
|     |          | (PART OF #1)               | 4    |
| 7.  | 70392891 | DECAL-DANGER DRIVELINE     |      |
|     |          | (PART OF #1)               | 2    |
| 8.  | 70394189 | DECAL-MOBIL OIL RESERVOIR  |      |
|     |          | (PART OF #1)               | 1    |
| 9.  | 70391583 | DECAL-SET UP/STOW INSTR.   |      |
|     |          | (PART OF #1)               | 2    |
| 10. | 70029119 | PLACARD-SERIAL NO.         | 1    |
| 11. | 70397683 | DECAL-CP 5/33 1H           | 2REF |
|     | 70397684 | DECAL-CP 5/33 2H           | 2REF |
|     | 70397685 | DECAL-CP 5/33 3H           | 2REF |
|     | 70397686 | DECAL-CP 5/33 4H           | 2REF |
| 12. | 70397682 | DECAL-ID 5/33 SERIES       | 2    |
| 13. | 70396021 | DECAL-MADE IN DENMARK      |      |
|     |          | (PART OF #1)               | 1    |

PARTS-50

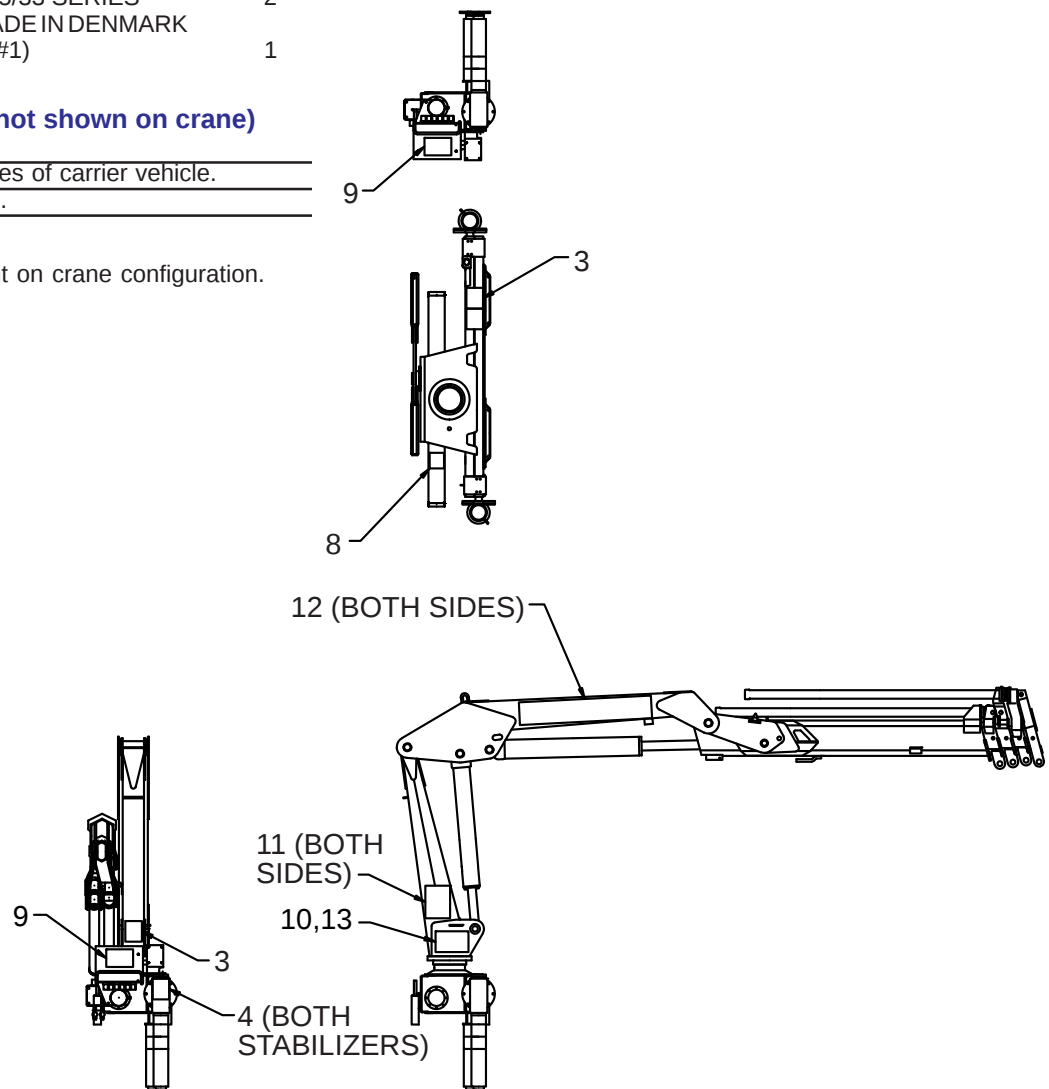
**ADDITIONAL DECALS (CONTROLS)  
(BASED ON CONFIGURATION)**

|        |                                                           |
|--------|-----------------------------------------------------------|
| 65 186 | CONTROL LABEL, 6 FUNCT,<br>HORIZONTAL ORIENTATION (LARGE) |
| 65 763 | CONTROL LABEL, 6 FUNCT,<br>HORIZONTAL ORIENTATION (SMALL) |
| 66 607 | CONTROL LABEL, 4 FUNCT.,<br>VERTICAL ORIENTATION          |
| 66 608 | CONTROL LABEL, STABILIZERS,<br>VERTICAL ORIENTATION       |
| 65 936 | CONTROL LABEL, STABILIZERS,<br>HORIZONTAL ORIENTATION     |
| 66 609 | CONTROL LABEL, EXTRA FUNCTIONS                            |
| 65 521 | CONTROL LABEL, 4 FUNCT.,<br>HORIZONTAL ORIENTATION        |
| 65 540 | CONTROL LABEL, WINCH                                      |

**Decal Placement (if not shown on crane)**

| ITEM # | LOCATION                                  |
|--------|-------------------------------------------|
| 5,6    | One on all four sides of carrier vehicle. |
| 7      | At or near driveline.                     |

Note: Item #11 is dependent on crane configuration.





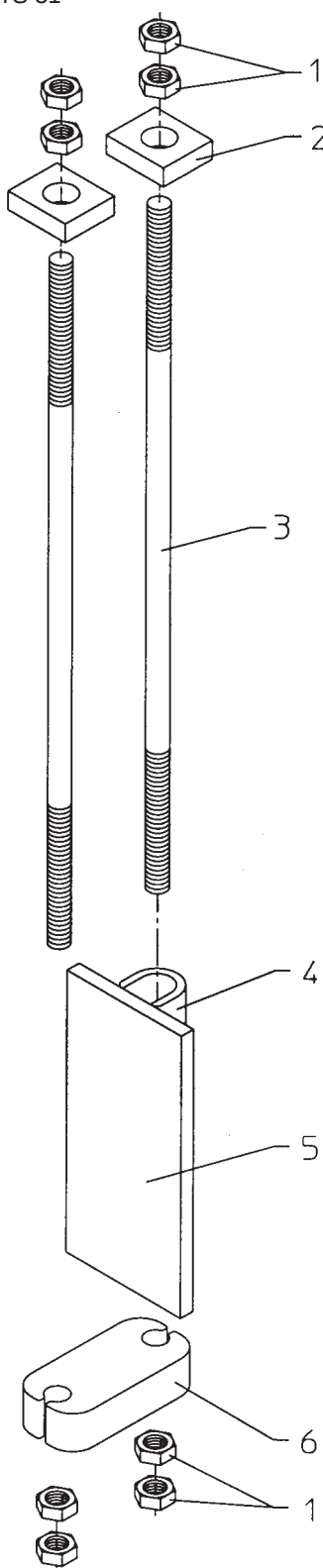
5/33: 450 06 100: 19990630

### MOUNTING FITTINGS

- |    |           |                     |
|----|-----------|---------------------|
| 1. | 30 833    | NUT 7/8"UNF         |
| 2. | 66 57 044 | WASHER              |
| 3. | 66 57 614 | MOUNTING BOLT 850MM |
| 4. | 66 59 914 | U-SECTION           |
| 5. | 66 59 924 | SPACER              |
| 6. | 59 58 574 | CLAMP               |

32  
8  
8  
4  
4  
4

### PARTS-51



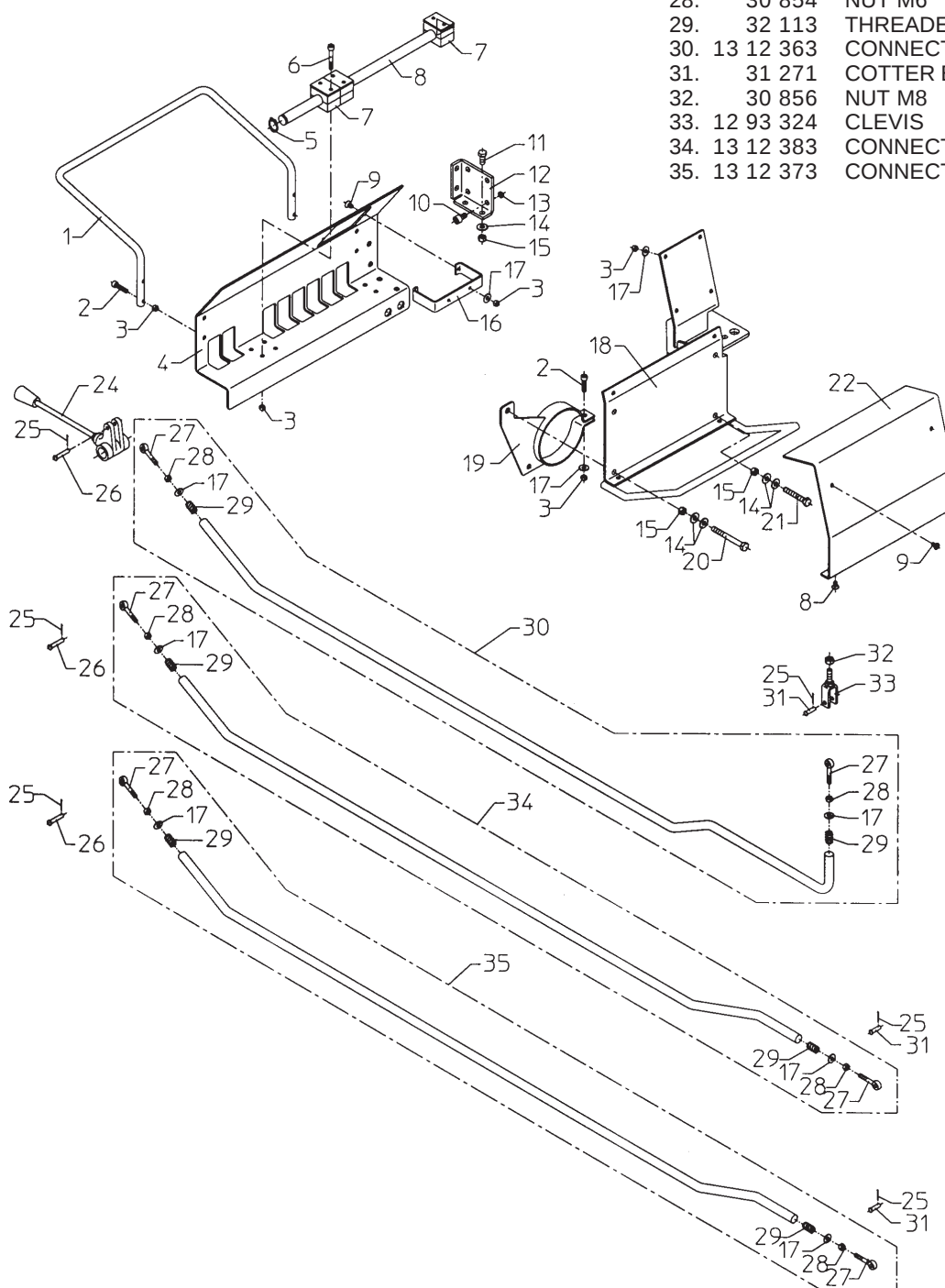


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PARTS-52

### DUAL CONTROL 2 STABILIZER VALVES

|     |           |                   |    |     |           |                   |    |
|-----|-----------|-------------------|----|-----|-----------|-------------------|----|
| 1.  | 13 12 404 | SAFETY GUARD      | 1  | 14. | 31 136    | WASHER 8MM        | 10 |
| 2.  | 30 962    | STEEL BOLT MC6X25 | 5  | 15. | 30 886    | LOCK NUT M8       | 7  |
| 3.  | 30 884    | LOCK NUT M6       | 15 | 16. | 66 098    | CLAMP             | 1  |
| 4.  | 66 126    | PROTECTIVE PLATE  | 1  | 17. | 31 134    | WASHER 6MM        | 7  |
| 5.  | 33 107    | CIRCLIP 19U       | 1  | 18. | 13 11 763 | VALVE BRACKET     | 1  |
| 6.  | 32 414    | STEEL BOLT MC6X40 | 4  | 19. | 13 12 273 | BRACKET           | 1  |
| 7.  | 31 428    | CLAMP 18          | 3  | 20. | 30 142    | STEEL BOLT M8X70  | 2  |
| 8.  | 66 60 974 | PIN-7 LEVER       | 1  | 21. | 30 139    | STEEL BOLT M8X50  | 1  |
| 9.  | 30 997    | SCREW M6X10       | 6  | 22. | 66 128    | PROTECTIVE PLATE  | 1  |
| 10. | 32 415    | STEEL BOLT MC8X14 | 4  | 24. | 13 12 414 | LEVER             | 8  |
| 11. | 30 131    | SET SCR MC8X16    | 4  | 25. | 31 601    | SPLIT PIN Ø1.5X20 | 16 |
| 12. | 66 097    | BRACKET           | 1  | 26. | 31 274    | COTTER BOLT Ø6X30 | 8  |
| 13. | 31 155    | SPRING WASHER 8MM | 4  | 27. | 32 114    | PIN               |    |
|     |           |                   |    | 28. | 30 854    | NUT M6            |    |
|     |           |                   |    | 29. | 32 113    | THREADED BUSHING  |    |
|     |           |                   |    | 30. | 13 12 363 | CONNECTING ROD    | 6  |
|     |           |                   |    | 31. | 31 271    | COTTER BOLT Ø6X20 | 8  |
|     |           |                   |    | 32. | 30 856    | NUT M8            | 6  |
|     |           |                   |    | 33. | 12 93 324 | CLEVIS            | 6  |
|     |           |                   |    | 34. | 13 12 383 | CONNECTING ROD    | 1  |
|     |           |                   |    | 35. | 13 12 373 | CONNECTING ROD    | 1  |



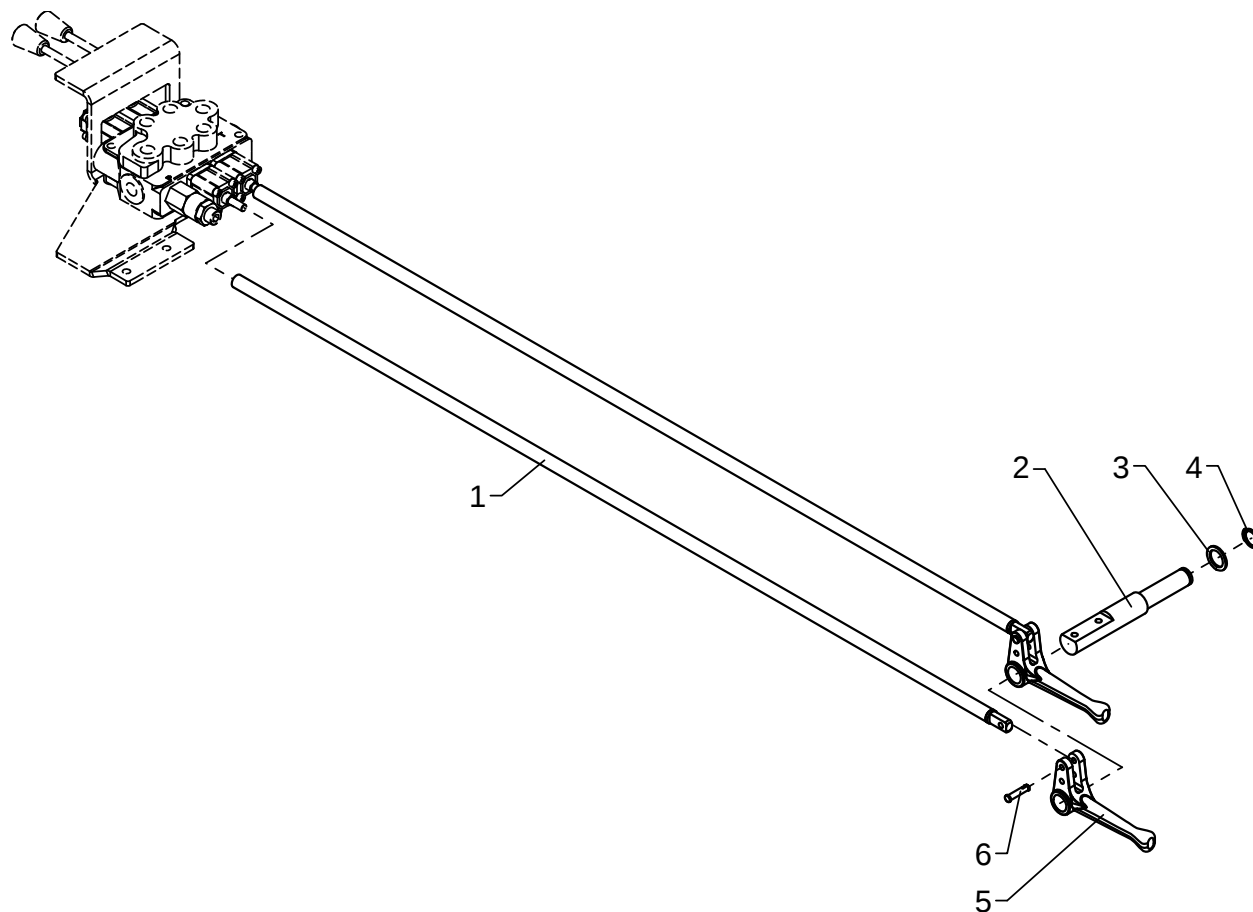


5/33: 082 07 051: 20090601

PARTS-53

**DUAL CONTROL FOR SERIAL CONNECTION, M50**

|    |         |                            |   |
|----|---------|----------------------------|---|
| 1. | 1297943 | CONNECTING ROD             | 2 |
| 2. | 1330235 | PIN                        | 1 |
| 3. | 33227   | BACK RING, SS 20 X 28 X 2  | 1 |
| 4. | 33107   | SNAP RING 19U              | 1 |
| 5. | 63446   | LEVER FOR DUAL CONTROLS    | 2 |
| 6. | 63468   | SPLIT PIN WITH SPRING LOCK | 2 |



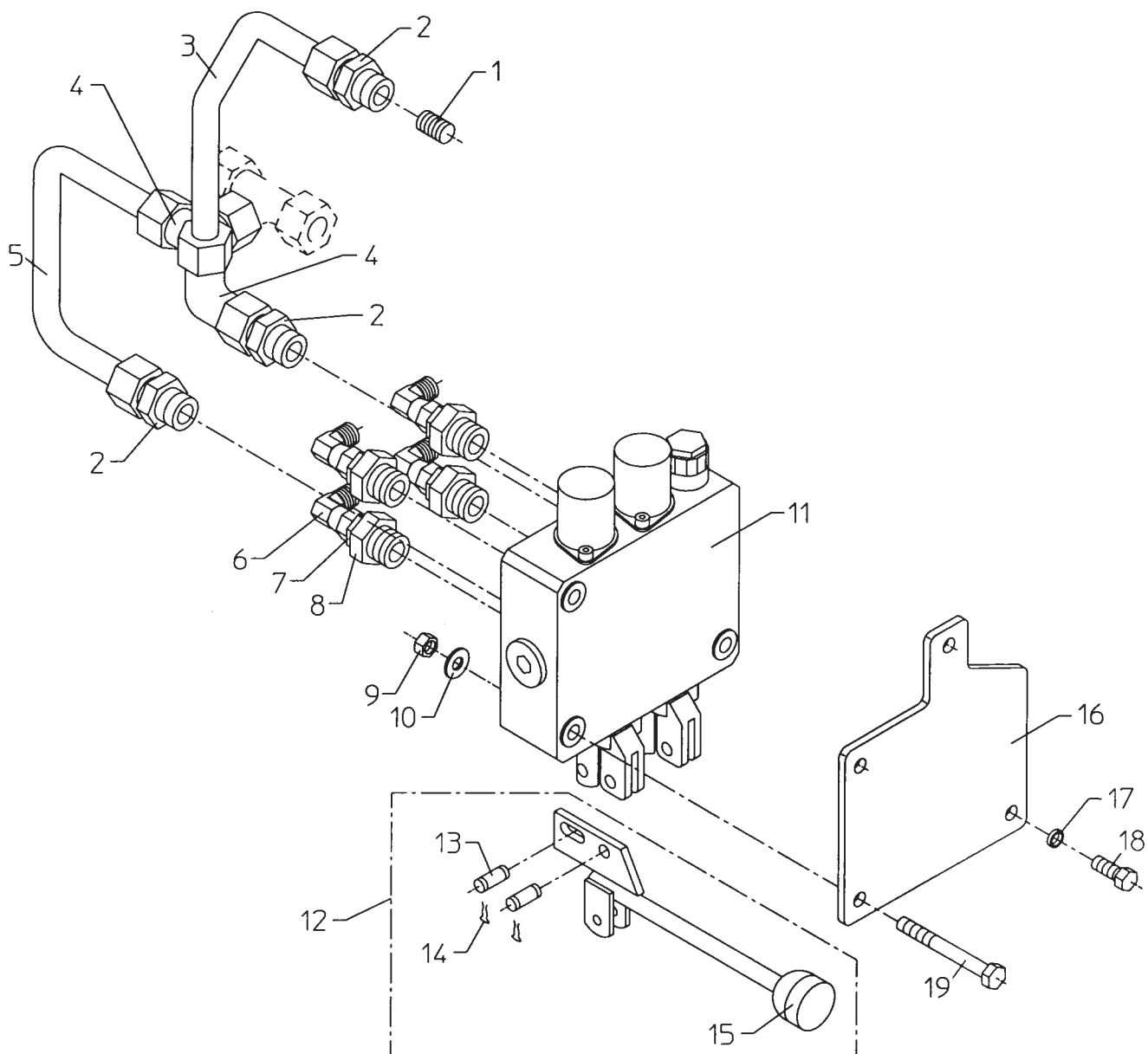


5/33: 450 07 100: 19990630

PARTS-54

**SERIES CONNECTION PARTS-RS150**

|     |           |                       |   |
|-----|-----------|-----------------------|---|
| 1.  | 59 951    | SOLENOID VALVE        | 1 |
| 2.  | 25 143    | CONNECTION            | 3 |
| 3.  | 13 12 354 | PIPE                  | 1 |
| 4.  | 25 284    | CONNECTION            | 2 |
| 5.  | 13 12 344 | PIPE                  | 1 |
| 6.  | 25 826    | CONNECTION            | 4 |
| 7.  | 25 829    | CONNECTION            | 4 |
| 8.  | 25 821    | CONNECTION            | 4 |
| 9.  | 30 886    | LOCK NUT M8           | 3 |
| 10. | 31 136    | WASHER 8MM            | 6 |
| 11. | 59 561    | VALVE BLOCK-2 SECTION | 1 |
| 12. | 66 31 270 | CONTROL LEVER-SHORT   | 2 |
| 13. | 61 364    | PIN                   |   |
| 14. | 61 320    | PIN LOCK              |   |
| 15. | 64 262    | BALL Ø32X10MM         |   |
| 16. | 13 12 284 | BRACKET               | 1 |
| 17. | 31 155    | SPRING WASHER 8MM     | 2 |
| 18. | 30 132    | SET SCR M8X20         | 4 |
| 19. | 30 142    | STEEL BOLT M8X70      | 3 |



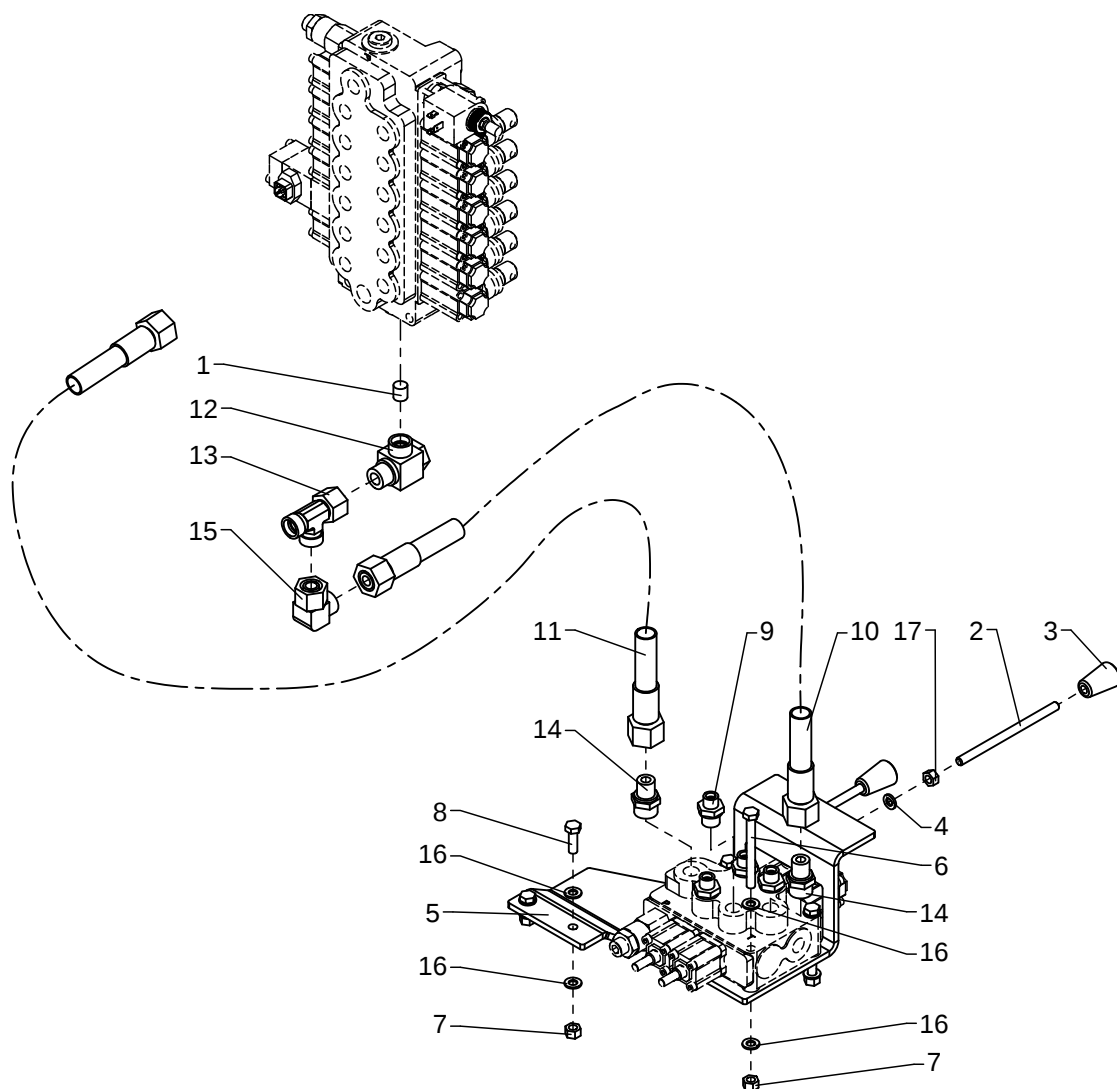


5/33: 082 07 101: 20090601

PARTS-55

**SERIES CONNECTION PARTS-M50**

|     |         |                             |    |
|-----|---------|-----------------------------|----|
| 1.  | 30417   | PIPE PLUG                   | 1  |
| 2.  | 1320252 | CTRL LEVER, SHORT, STRAIGHT | 2  |
| 3.  | 59224   | KNOB FOR LEVER              | 2  |
| 4.  | 31155   | SPRING WASHER 8 MM          | 2  |
| 5.  | 1297803 | VALVE BRACKET               | 1  |
| 6.  | 30143   | STEEL BOLT, SS M8 X 80      | 3  |
| 7.  | 30886   | LOCK NUT, SS M8             | 5  |
| 8.  | 30134   | SET SCREW, SS M8 X 25       | 2  |
| 9.  | 25244   | CONNECTION                  | 4  |
| 10. | 16000   | HOSE                        | 1  |
| 11. | 16340   | HOSE                        | 1  |
| 12. | 25158   | BANJO CONNECTION            | 1  |
| 13. | 26142   | CONNECTION                  | 1  |
| 14. | 25273   | CONNECTION                  | 2  |
| 15. | 25284   | ELBOW CONNECTION            | 1  |
| 16. | 31147   | WASHER, STAINLESS 8 MM      | 10 |
| 17. | 30856   | NUT, STAINLESS M8           | 2  |



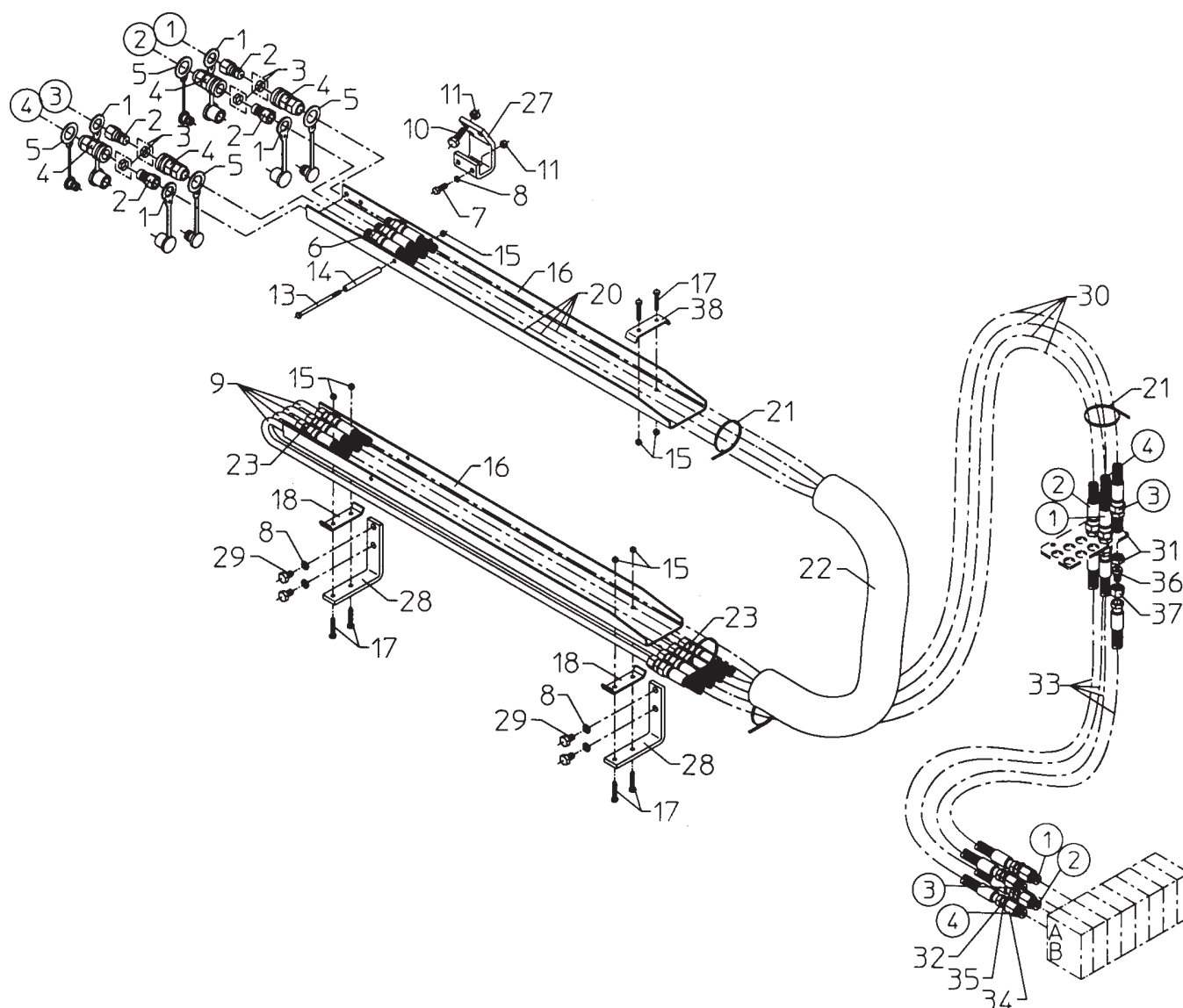


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PARTS-56

**EXTRA VALVES-1H**

|     |    |    |     |                      |   |     |    |     |                    |                   |   |
|-----|----|----|-----|----------------------|---|-----|----|-----|--------------------|-------------------|---|
|     | 13 | 10 | 080 | MOUNTING KIT         | 1 | 17. | 30 | 116 | STEEL BOLT M6X35   | 6                 |   |
|     | 13 | 10 | 120 | MOUNTING KIT         | 1 | 18. | 66 | 105 | FITTINGS           | 2                 |   |
| 1.  |    | 60 | 622 | DUST CAP 3/8"M       | 4 | 20. | 62 | 860 | HOSE 3/8"X2200 O/O | 8                 |   |
| 2.  |    | 60 | 619 | QUICK COUPLING 3/8"F | 4 | 21. | 27 | 274 | CLIP               | 4                 |   |
| 3.  |    | 60 | 635 | SEAL KIT 3/8"        |   | 22. | 62 | 592 | PROTECTIVE COVER   | 1                 |   |
| 4.  |    | 60 | 620 | QUICK COUPLING 3/8"M | 4 | 23. | 25 | 843 | CONNECTION         | 8                 |   |
| 5.  |    | 60 | 621 | DUST CAP 3/8"M       | 4 | 27. | 12 | 93  | 713                | FITTINGS          | 1 |
| 6.  |    | 25 | 831 | CONNECTION           | 4 | 28. | 12 | 93  | 723                | FITTINGS          | 2 |
| 7.  |    | 30 | 155 | SET SCR M10X25       | 2 | 29. | 30 | 153 | SET SCR M10X16     | 4                 |   |
| 8.  |    | 31 | 118 | WASHER 10MM          | 6 | 30. | 00 | 17  | 470                | HOSE 3/8X3900 O/O | 4 |
| 9.  | 12 | 95 | 264 | PIPE                 | 4 | 31. | 25 | 824 | CONNECTION         | 4                 |   |
| 10. |    | 30 | 156 | SET SCR M10X30       | 3 | 32. | 25 | 887 | CONNECTION         | 4                 |   |
| 11. |    | 30 | 888 | LOCK NUT M10         | 5 | 34. | 25 | 878 | ADAPTER            | 4                 |   |
| 13. |    | 32 | 107 | STEEL BOLT M6X120    | 1 | 35. | 25 | 885 | DISMOUNTING RING   | 4                 |   |
| 14. | 12 | 93 | 834 | PIPE                 | 1 | 36. | 25 | 846 | CONNECTION         | 4                 |   |
| 15. |    | 30 | 884 | LOCK NUT M6          | 7 | 37. | 25 | 845 | CONNECTION         | 4                 |   |
| 16. |    | 66 | 106 | HOSE GUIDE           | 2 | 38. | 66 | 129 | FITTINGS           | 1                 |   |



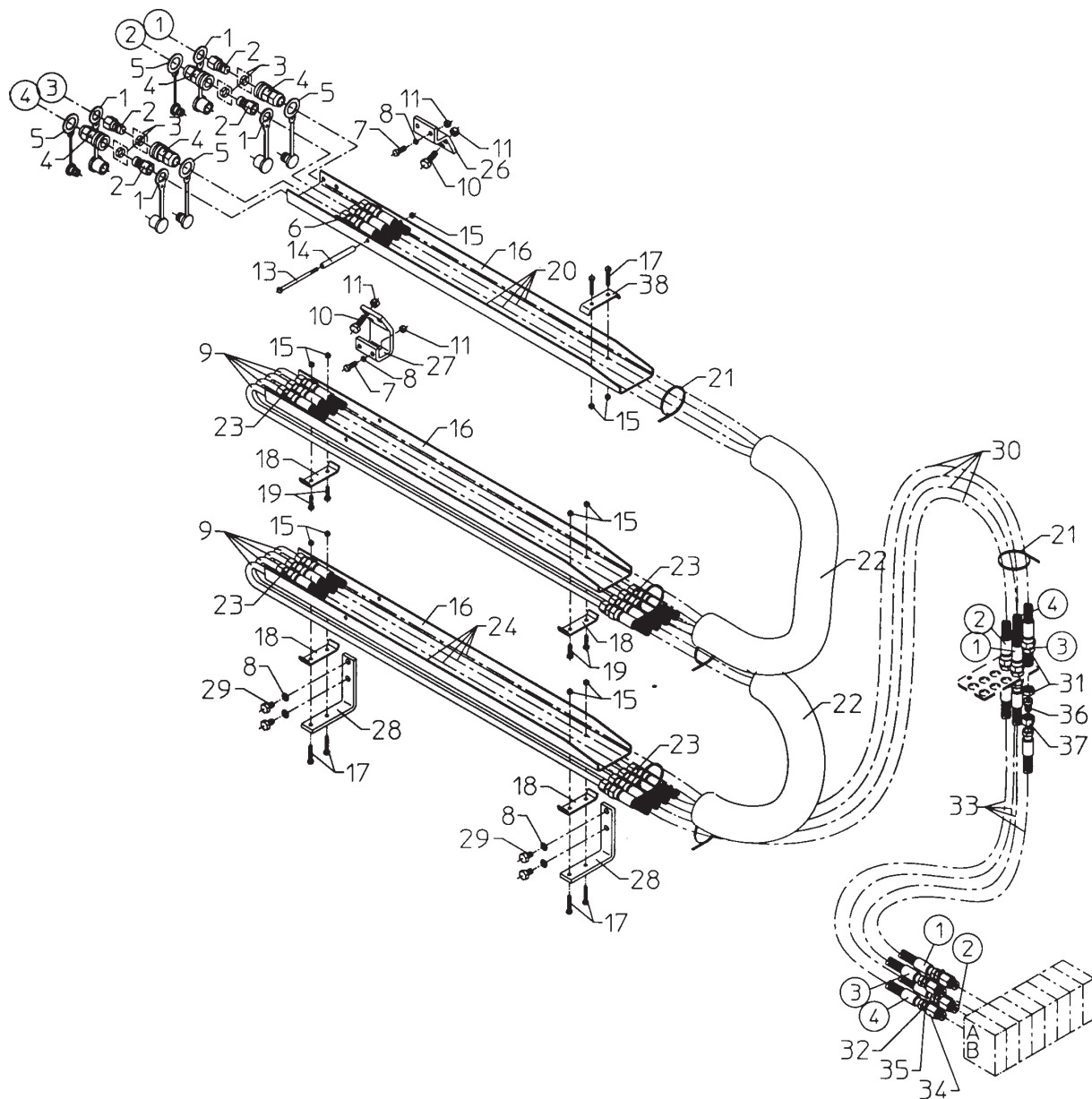


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PARTS-57

EXTRA VALVES-2H

|     |           |                      |    |     |           |                    |    |
|-----|-----------|----------------------|----|-----|-----------|--------------------|----|
| 13  | 10 090    | MOUNTING KIT         | 1  | 19. | 30 115    | STEEL BOLT M6X30   | 4  |
| 13  | 10 130    | MOUNTING KIT         | 1  | 20. | 62 860    | HOSE 3/8"X2200 O/O | 4  |
| 1.  | 60 622    | DUST CAP 3/8"M       | 4  | 21. | 27 274    | CLIP               | 6  |
| 2.  | 60 619    | QUICK COUPLING 3/8"F | 4  | 22. | 62 592    | PROTECTIVE COVER   | 2  |
| 3.  | 60 635    | SEAL KIT 3/8"        | 4  | 23. | 25 843    | CONNECTION         | 16 |
| 4.  | 60 620    | QUICK COUPLING 3/8"M | 4  | 24. | 62 857    | HOSE 3/8"X1150 O/O | 4  |
| 5.  | 60 621    | DUST CAP 3/8"M       | 4  | 26. | 12 93 823 | FITTINGS           | 1  |
| 6.  | 25 831    | CONNECTION           | 4  | 27. | 12 93 713 | FITTINGS           | 1  |
| 7.  | 30 155    | SET SCR M10X25       | 4  | 28. | 12 93 723 | FITTINGS           | 2  |
| 8.  | 31 118    | WASHER 10MM          | 8  | 29. | 30 153    | SET SCR M10X16     | 4  |
| 9.  | 12 95 264 | PIPE                 | 8  | 30. | 00 17 470 | HOSE 3/8"X3900 O/O | 4  |
| 10. | 30 156    | SET SCR M10X30       | 6  | 31. | 25 824    | CONNECTION         | 4  |
| 11. | 30 888    | LOCK NUT M10         | 10 | 32. | 25 887    | CONNECTION         | 4  |
| 13. | 32 107    | STEEL BOLT M6X120    | 1  | 33. | 00 19 520 | HOSE 3/8"X2200 O/O | 4  |
| 14. | 12 93 834 | PIPE                 | 1  | 34. | 25 878    | ADAPTER            | 4  |
| 15. | 30 884    | LOCK NUT M6          | 11 | 35. | 25 885    | DISMOUNTING RING   | 4  |
| 16. | 66 106    | HOSE GUIDE           | 3  | 36. | 25 846    | CONNECTION         | 4  |
| 17. | 30 116    | STEEL BOLT M6X35     | 6  | 37. | 25 845    | CONNECTION         | 4  |
| 18. | 66 105    | FITTINGS             | 4  | 38. | 66 129    | FITTINGS           | 1  |





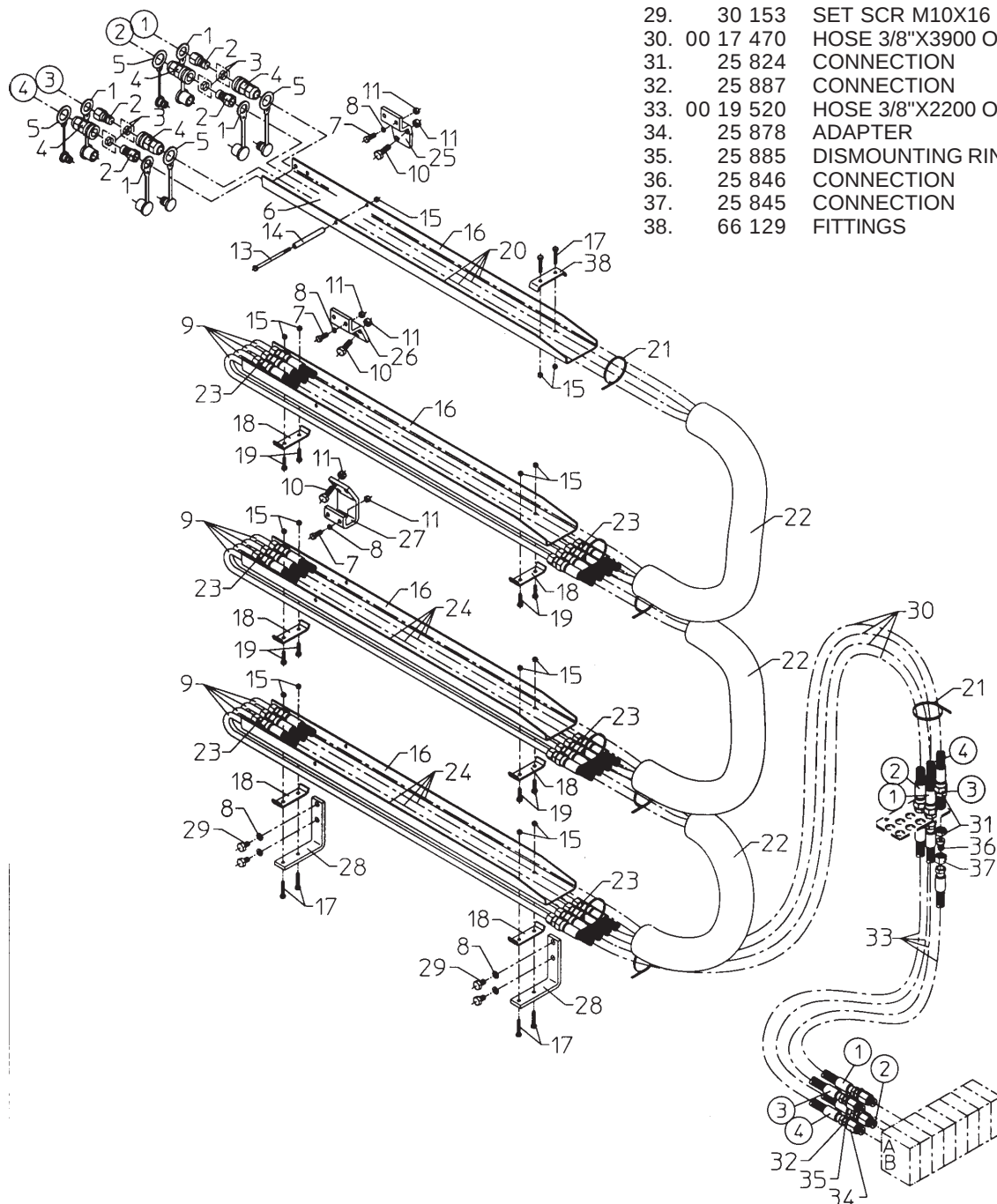
5/33: 450 07 200: 19990630

PARTS-58

**EXTRA VALVES-3H**

|     |    |     |                      |    |
|-----|----|-----|----------------------|----|
| 13  | 10 | 100 | MOUNTING KIT         | 1  |
| 13  | 10 | 140 | MOUNTING KIT         | 1  |
| 1.  | 60 | 622 | DUST CAP 3/8"M       | 4  |
| 2.  | 60 | 619 | QUICK COUPLING 3/8"F | 4  |
| 3.  | 60 | 635 | SEAL KIT 3/8"        | 4  |
| 4.  | 60 | 620 | QUICK COUPLING 3/8"M | 4  |
| 5.  | 60 | 621 | DUST CAP 3/8"M       | 4  |
| 6.  | 25 | 831 | CONNECTION           | 4  |
| 7.  | 30 | 155 | SET SCR M10X25       | 6  |
| 8.  | 31 | 118 | WASHER 10MM          | 10 |
| 9.  | 12 | 95  | 264 PIPE             | 12 |
| 10. | 30 | 156 | SET SCR M10X30       | 9  |
| 11. | 30 | 888 | LOCK NUT M10         | 15 |
| 13. | 32 | 107 | STEEL BOLT M6X120    | 1  |

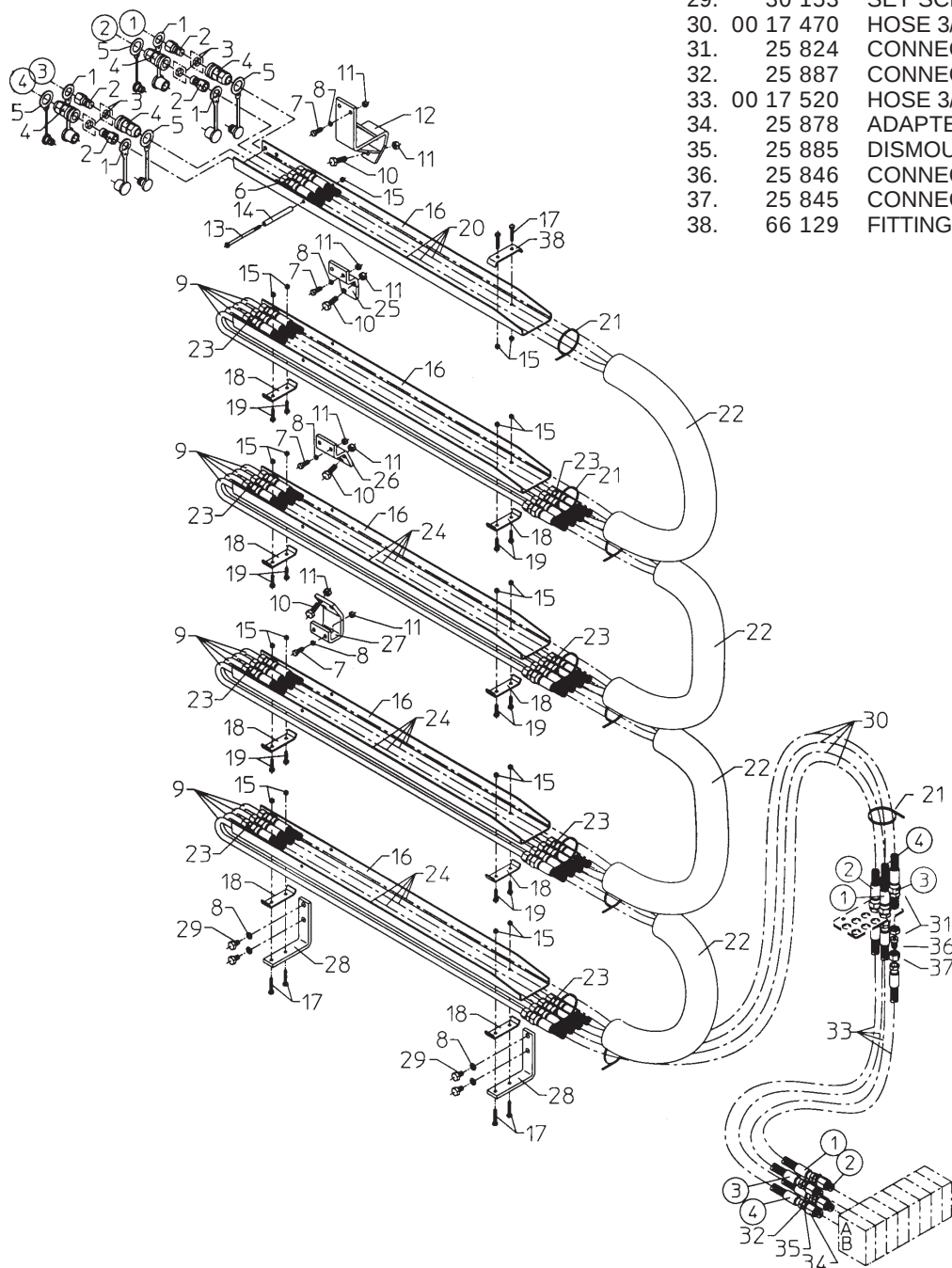
|     |    |     |                        |    |
|-----|----|-----|------------------------|----|
| 14. | 12 | 93  | 834 PIPE               | 1  |
| 15. | 30 | 884 | LOCK NUT M6            | 15 |
| 16. | 66 | 106 | HOSE GUIDE             | 4  |
| 17. | 30 | 116 | STEEL BOLT M6X35       | 6  |
| 18. | 66 | 105 | FITTINGS               | 6  |
| 19. | 30 | 115 | STEEL BOLT M6X30       | 8  |
| 20. | 62 | 860 | HOSE 3/8"X2200 O/O     | 4  |
| 21. | 27 | 274 | CLIP                   | 8  |
| 22. | 62 | 592 | PROTECTIVE COVER       | 3  |
| 23. | 25 | 843 | CONNECTION             | 24 |
| 24. | 62 | 857 | HOSE 3/8"X1150 O/O     | 8  |
| 25. | 12 | 93  | 773 FITTINGS           | 1  |
| 26. | 12 | 93  | 823 FITTINGS           | 1  |
| 27. | 12 | 93  | 713 FITTINGS           | 1  |
| 28. | 12 | 93  | 723 FITTINGS           | 2  |
| 29. | 30 | 153 | SET SCR M10X16         | 4  |
| 30. | 00 | 17  | 470 HOSE 3/8"X3900 O/O | 4  |
| 31. | 25 | 824 | CONNECTION             | 4  |
| 32. | 25 | 887 | CONNECTION             | 4  |
| 33. | 00 | 19  | 520 HOSE 3/8"X2200 O/O | 4  |
| 34. | 25 | 878 | ADAPTER                | 4  |
| 35. | 25 | 885 | DISMOUNTING RING       | 4  |
| 36. | 25 | 846 | CONNECTION             | 4  |
| 37. | 25 | 845 | CONNECTION             | 4  |
| 38. | 66 | 129 | FITTINGS               | 1  |



PARTS-59

|     |           |                      |    |
|-----|-----------|----------------------|----|
|     | 13 10 110 | MOUNTING KIT         | 1  |
|     | 13 10 150 | MOUNTING KIT         | 1  |
| 1.  | 60 622    | DUST CAP 3/8"M       | 4  |
| 2.  | 60 619    | QUICK COUPLING 3/8"F | 4  |
| 3.  | 60 635    | SEAL KIT 3/8"        |    |
| 4.  | 60 620    | QUICK COUPLING 3/8"M | 4  |
| 5.  | 60 621    | DUST CAP 3/8"M       | 4  |
| 6.  | 25 831    | CONNECTION           | 4  |
| 7.  | 30 155    | SET SCR M10X25       | 8  |
| 8.  | 31 118    | WASHER 10MM          | 12 |
| 9.  | 12 95 264 | PIPE                 | 16 |
| 10. | 30 156    | SET SCR M10X30       | 12 |
| 11. | 30 888    | LOCK NUT M10         | 20 |
| 12. | 12 93 814 | FITTINGS             | 1  |
| 13. | 32 107    | STEEL BOLT M6X120    | 1  |

|     |           |                    |    |
|-----|-----------|--------------------|----|
| 14. | 12 93 834 | PIPE               | 1  |
| 15. | 30 884    | LOCK NUT M6        | 19 |
| 16. | 66 106    | HOSE GUIDE         | 5  |
| 17. | 30 116    | STEEL BOLT M6X35   | 6  |
| 18. | 66 105    | FITTINGS           | 8  |
| 19. | 30 115    | STEEL BOLT M6X30   | 12 |
| 20. | 62 860    | HOSE 3/8"X2000 O/O | 4  |
| 21. | 27 274    | CLIP               | 10 |
| 22. | 62 592    | PROTECTIVE COVER   | 4  |
| 23. | 25 843    | CONNECTION         | 32 |
| 24. | 62 857    | HOSE 3/8"X1150 O/O | 12 |
| 25. | 12 93 773 | FITTINGS           | 1  |
| 26. | 12 93 823 | FITTINGS           | 1  |
| 27. | 12 93 713 | FITTINGS           | 1  |
| 28. | 12 93 723 | FITTINGS           | 2  |
| 29. | 30 153    | SET SCR M10X16     | 4  |
| 30. | 00 17 470 | HOSE 3/8"X3900 O/O | 4  |
| 31. | 25 824    | CONNECTION         | 4  |
| 32. | 25 887    | CONNECTION         | 4  |
| 33. | 00 17 520 | HOSE 3/8"X2450 O/O | 4  |
| 34. | 25 878    | ADAPTER            | 4  |
| 35. | 25 885    | DISMOUNTING RING   | 4  |
| 36. | 25 846    | CONNECTION         | 4  |
| 37. | 25 845    | CONNECTION         | 4  |
| 38. | 66 129    | FITTINGS           | 1  |





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PARTS-60

# IMT

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## MATERIAL HANDLING SYSTEMS

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

BOX 189, GARNER, IA 50438-0189

641-923-3711

TECHNICAL SUPPORT FAX: 641-923-2424

MANUAL PART NUMBER: 99904675