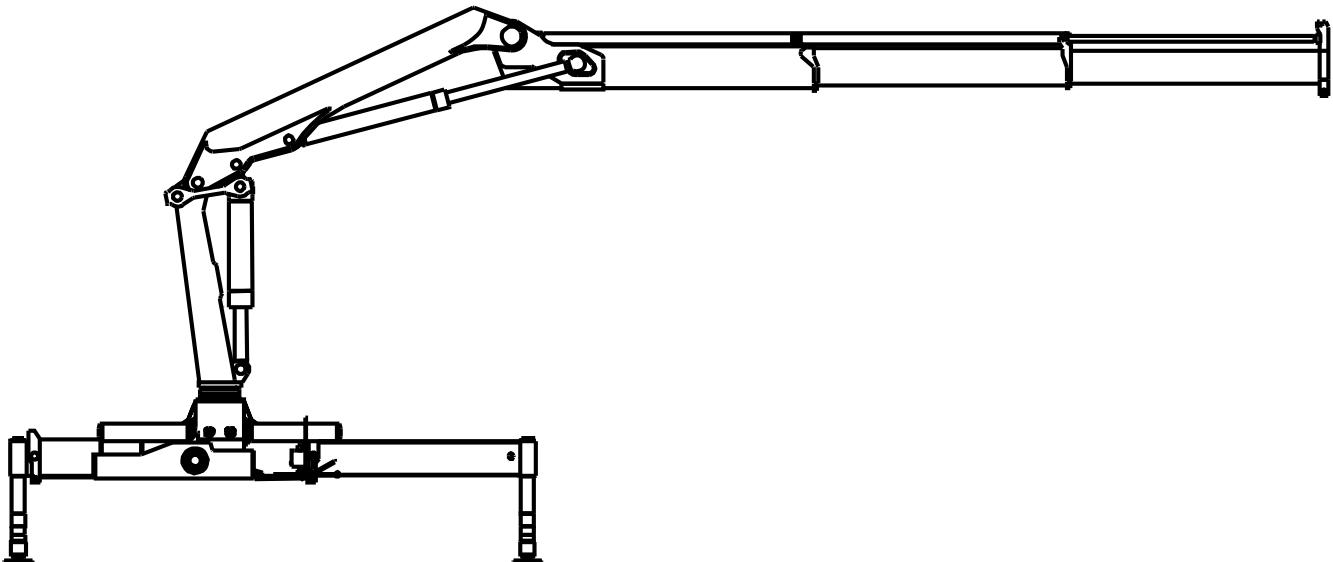


# IMT

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## MATERIAL HANDLING SYSTEMS

### Repair Parts *Model 12/89 Crane*



**IOWA MOLD TOOLING CO., INC.**  
BOX 189, GARNER, IA 50438-0189  
641-923-3711

MANUAL PART NUMBER: 99903049

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

**In addition to the information presented in this manual,  
read and understand the IMT Crane Operator's Safety  
Manual before operating or performing any maintenance  
on your crane.**

### REVISIONS LIST

DATE	LOCATION	DESCRIPTION OF CHANGE
20001201	PG 37	REPLACE DECAL KITS W/MTG FTGSASM
	PG 38	REPLACE MTG FTGS W/ DECAL KITS & REMOVE CPS & IDENT DECALS
	PG 39	ADD DECAL KIT-12/89 (95716095)
20010807	PG 40-51	ECN #8707 :ADDED NEW DRAWINGS
20011004	PG 52-62	ECN #8744 -TETHERED AND RADIO REMOTE CONTROLKITS
20020311	PG 64-65	EDITED DRAWING ERRORS - OVERLOAD SHUTDOWN
20020513	PG 29	CORRECTED ITEM 3 ON HYD SYSTEM-ROT CYLINDER. WAS 6168164, NOW 6168194.
20020909	Many	UPDATED MANY PAGES WITH MODEL CHANGES, REVISIONS. ADDED POWER STABILIZER INSTALLATION INSTRUCTIONS. NOTE DATE ON EACH PAGE.
20030527	PGS. 68-89	RMV. CONTROL KITS - MOVED TO 99903381 RADIO-TETHERED REMOTE MANUAL
20030605	53	505 05 382 HYDRAULIC SYSTEM, EXT. CYL K4 - ITEM #14 WAS 6247294, NOW 6247644
20030623	81-86	ADDED WINCH KIT DRAWING (99903254)
20030721	47,50,53	UPDATED CURRENT HYD SYS K2, K3,AND K4
20051020	85	ECN 9818 - CHANGE TO 41716422
20061113	81	ECN 10190 - CHANGE TO BRACKET #12 ON 99903254 DRAWING
20070426	67	ECN 10431 - 99903223 - CHANGE TO DECAL DESIGN, PLACEMENT
20080425	46,49,52	6247294 IS OBSOLETE, REPLACED WITH 6247644 PIPE (ALSO 25130, 25243)
20080505	29	STABILIZER CYL DRAWING - STABILIZER CYL ORDER 62 44 590, 62 41 730, 62 44 600
20081119	31-32, 68-69	ADDED BEAM CYLINDERS AND HYD SYSTEMS FOR BEAM CYLINDERS
20110207	89	<b>ECN 11383 - CABLE &amp; HOOK KIT 41716422 HARDWARE CHANGE</b>
<b>20111201</b>		<b>ECN 11682 -UPDATE STABILIZER WORDING</b>

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PARTS-5  
**INTRODUCTION**

**GENERAL**

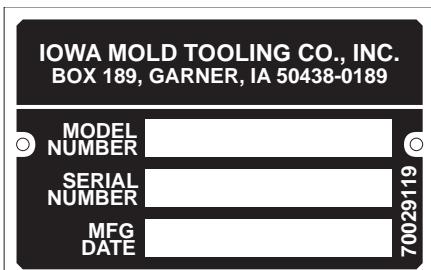
This manual contains the parts drawings with accompanying parts lists for the assemblies used on this crane. These drawings are intended to be used in conjunction with the instructions found in the Instruction Manual.

**WARNING**

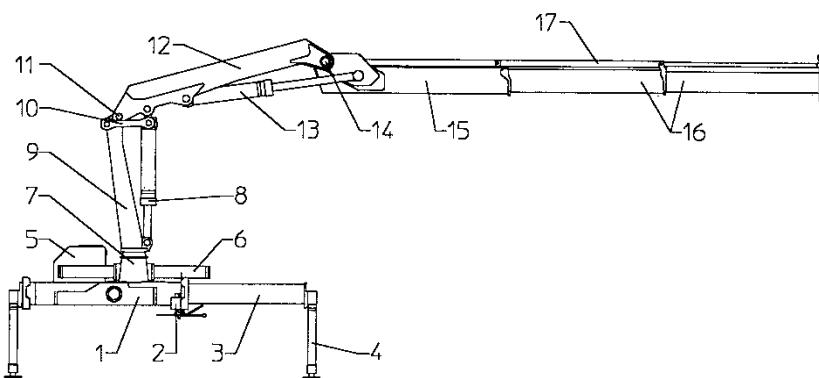
**DO NOT ATTEMPT TO REPAIR ANY COMPONENT WITHOUT READING THE INFORMATION CONTAINED IN THE INSTRUCTION MANUAL. PAY PARTICULAR ATTENTION TO THE WARNINGS, CAUTIONS AND NOTES CONTAINED IN THAT MANUAL. FAILURE TO COMPLY WITH THESE INSTRUCTIONS MAY RESULT IN DAMAGE TO THE EQUIPMENT, AN INJURY OR EVEN DEATH.**

**CRANE IDENTIFICATION**

Every crane has a serial number placard attached to the mast or base. 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.

**SERIAL NUMBER PLACARD**

1. Suspension traverse
2. Control valve block
3. Stabilizer beam
4. Stabilizer leg
5. Tank
6. Rotation/Slewing cylinder
7. Base
8. Boom cylinder
9. Mast
10. Link arm
11. Hinge pin
12. Main boom
13. Outer/jib cylinder
14. Outer/jib pin
15. Outer boom
16. Extensions
17. Extension cylinder

**COMPONENT REFERENCE****ORDERING REPAIR PARTS**

When ordering replacement parts:

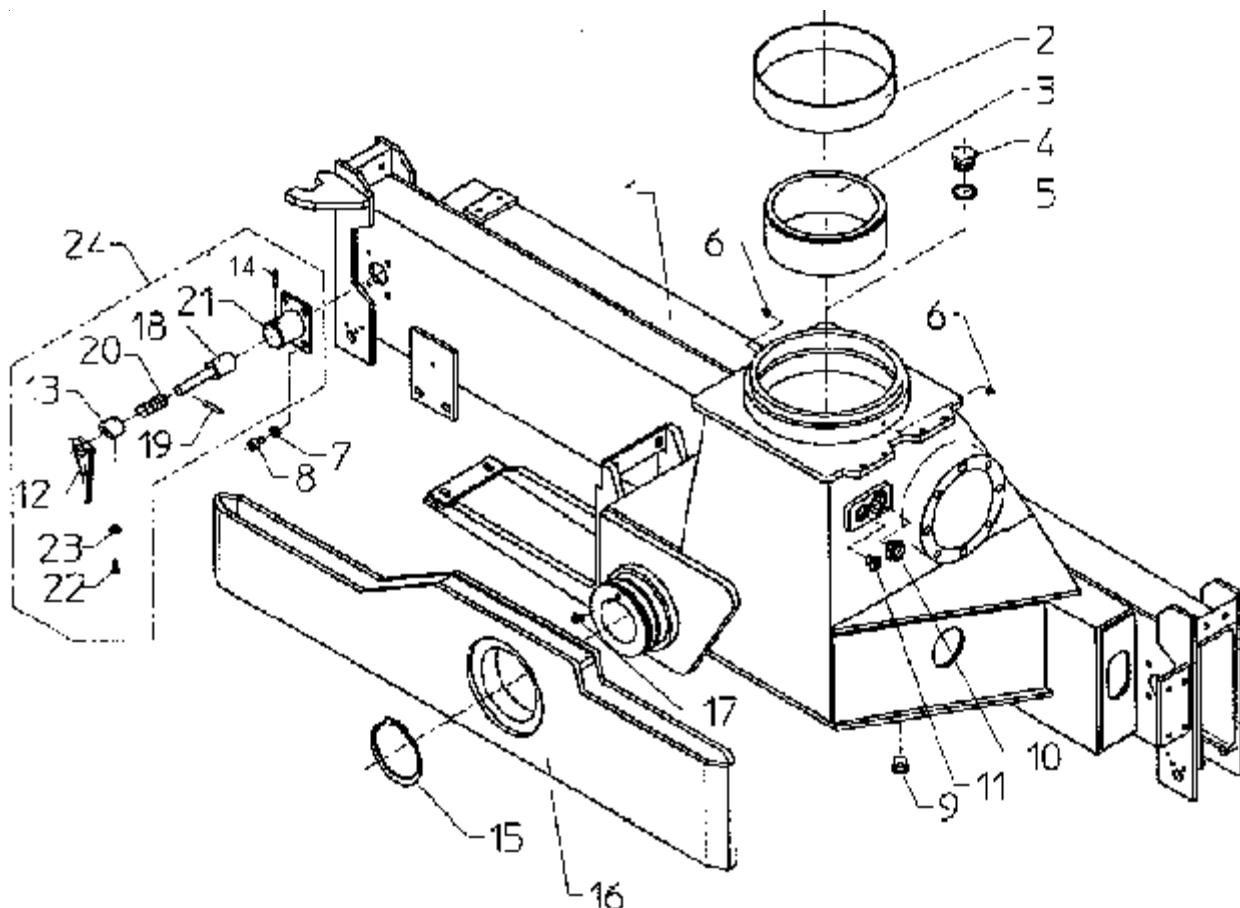
1. Give the model number of the unit.
2. Give the serial number of the unit.
3. Specify the complete part number. When ordering complete cylinders or assemblies, identify the cylinder or assembly by name.
4. Give a complete description of the part.
5. Specify the quantity required.

All inquiries should be addressed to:

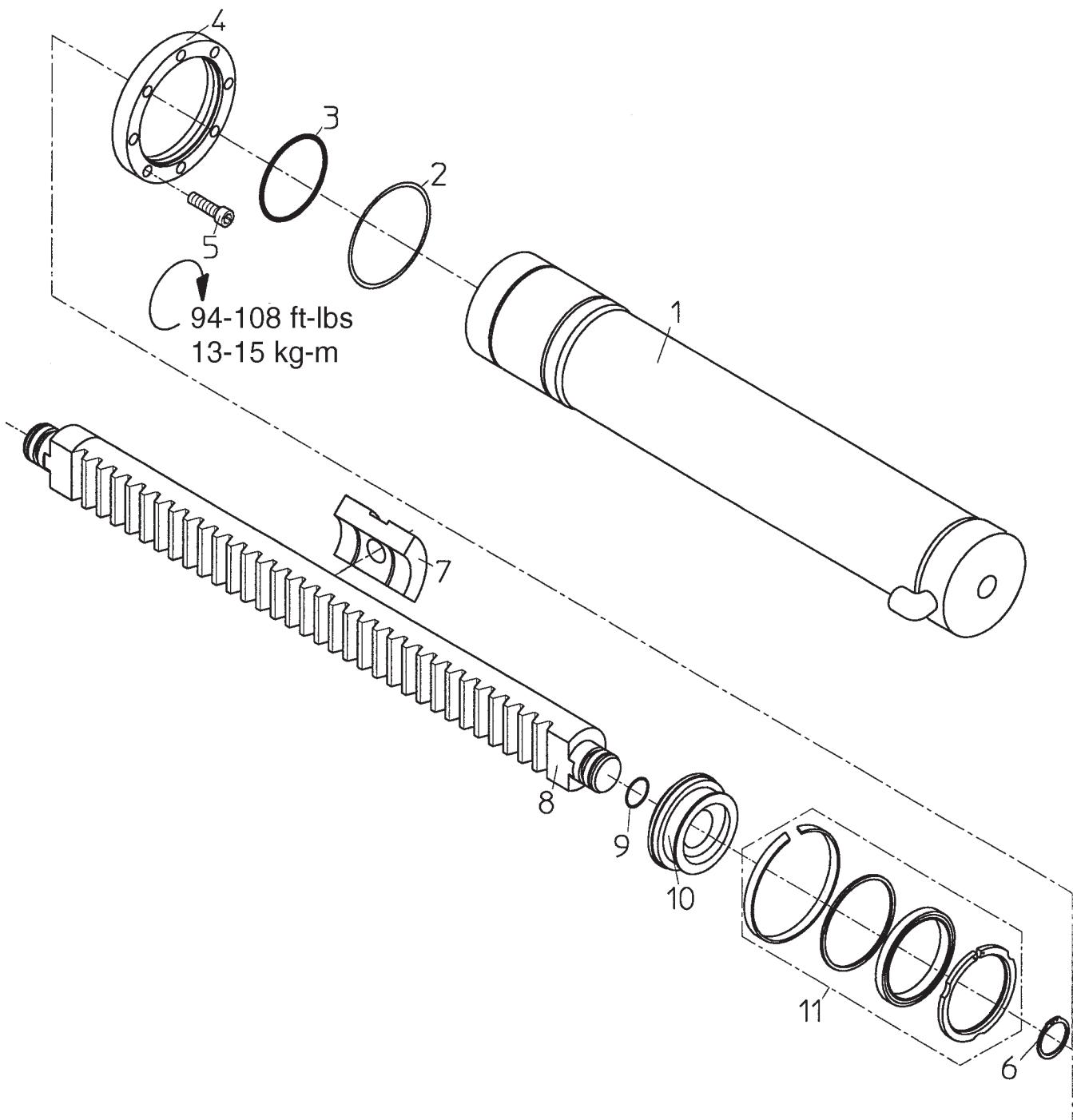
**Iowa Mold Tooling Co., Inc.  
Box 189, Garner, IA 50438-0189  
Telephone: 641-923-3711  
Technical Support Fax: 641-923-2424**

**BASE**

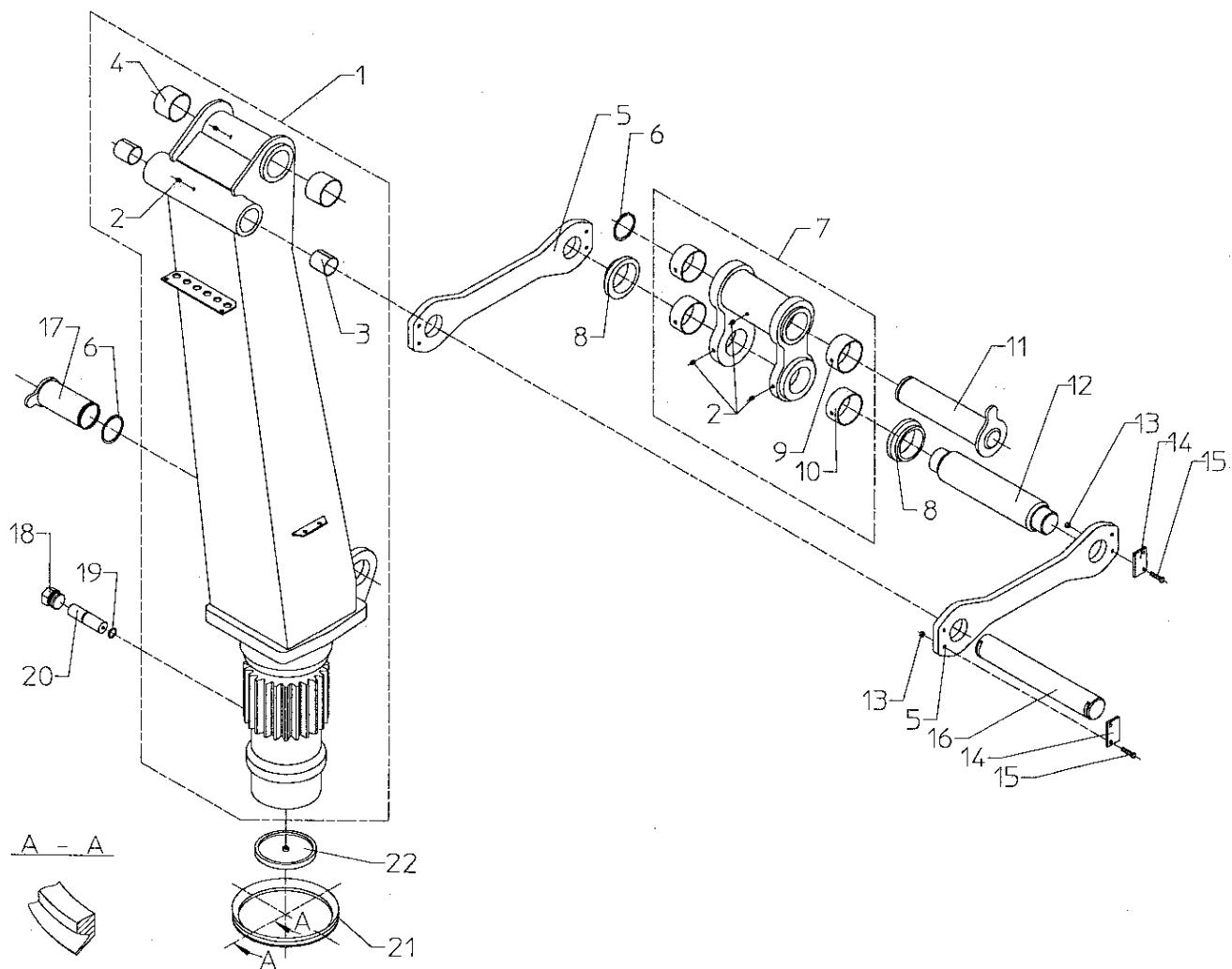
1. 61 79 060	BASE W/BEARING(INCL:2,3)	1	13. 62 33 504	HOUSING	
2. 23 368	BUSHING	1	14. 31 328	ZERK M6X1-0	
3. 63 819	BEARING	1	15. 33 151	SNAP RING 130U	1
4. 66 61 634	PLUG M30X1.5	1	16. 61 70 783	SUSPENSION TRAVERSE	1
5. 21 110	SEAL WASHER Ø30.8X38.1X2.34	1	17. 31 322	ZERK 1/8"	1
6. 31 318	ZERK 1/8"	1	18. 62 44 844	LOCK PIN	
7. 30 964	SCREW MC10X16	8	19. 31 210	RETAINING PIN Ø6X36	
8. 31 156	SPRING WASHER 10MM	8	20. 33 305	SPRING	
9. 25 103	PLUG	1	21. 61 79 604	HOUSING	
10. 60 916	OIL LEVEL GLASS 3/4	1	22. 30 131	SET SCREW M8X16	
11. 25 277	PLUG	1	23. 31 136	WASHER8MM	
12. 62 33 524	LEVER	1	24. 61 79 610	SWIVEL LOCK (COMPLETE)	2



68 93 230	SEAL KIT (INCL:3,6,9,11)	2
1. 61 71 203	ROTATION CYLINDER	2
2. 33 340	LOCK RING	2
3. 20 205	O-RING 134.5X3	2
4. 61 71 974	FLANGE	2
5. 30 507	SCREW MC14X50	16
6. 33 129	CIRCLIP 50U	1
7. 63 718	GUIDE BLOCK	1
8. 61 71 233	RACK	1
9. 20 305	O-RING 37.47X5.33	2
10. 61 77 653	PISTON	2
11. 22 109	SEAL KIT	2



1. 61 79 030	MAST-COMPLETE	1	12. 61 68 064	PIN	1
2. 31 318	ZERK 1/8"		13. 30 886	LOCK NUT M8	8
3. 23 330	BUSHING PM6060DX		14. 61 68 004	LOCK PLATE	4
4. 23 337	BUSHING PM7050DX		15. 30 136	STEEL BOLT M8X35	8
5. 61 68 043	LINK ARM	2	16. 61 68 054	PIN	1
6. 33 139	CIRCLIP 70U	2	17. 61 68 094	PIN	1
7. 61 68 033	PUSH ROD	1	18. 61 72 534	PLUG	1
8. 61 72 364	RING	2	19. 20 174	O-RING 24.2X3	1
9. 23 336	BUSHING PM7040DX		20. 61 72 524	LOCK PIN	1
10. 23 342	BUSHING PM8040DX		21. 21 931	V-RING	1
11. 61 68 074	PIN	1	22. 63 737	TRAP STRAINER	1



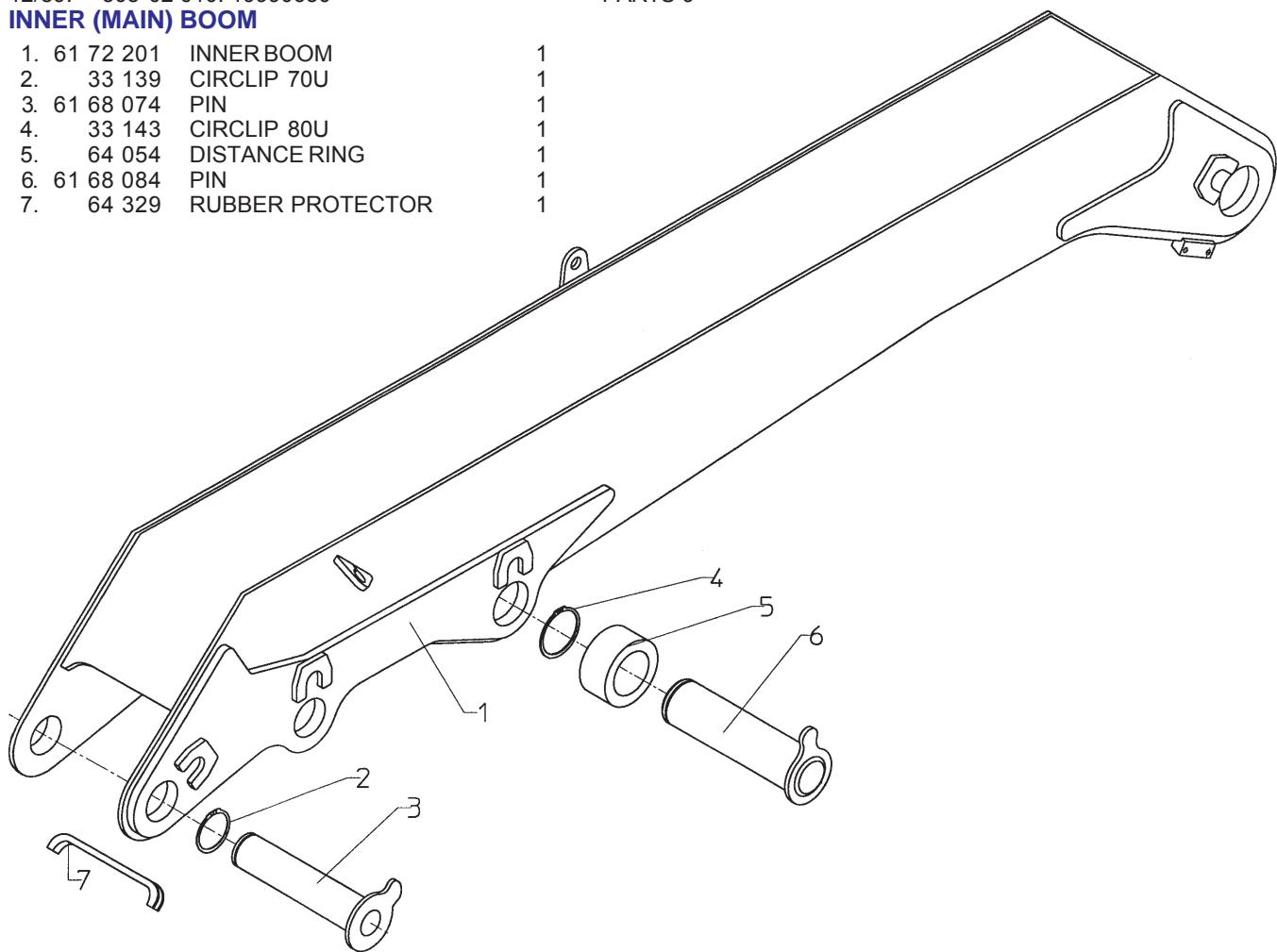
12/89: 505 02 010: 19990630

PARTS-9

**INNER (MAIN) BOOM**

- |    |           |                  |
|----|-----------|------------------|
| 1. | 61 72 201 | INNER BOOM       |
| 2. | 33 139    | CIRCLIP 70U      |
| 3. | 61 68 074 | PIN              |
| 4. | 33 143    | CIRCLIP 80U      |
| 5. | 64 054    | DISTANCE RING    |
| 6. | 61 68 084 | PIN              |
| 7. | 64 329    | RUBBER PROTECTOR |

1  
1  
1  
1  
1  
1  
1

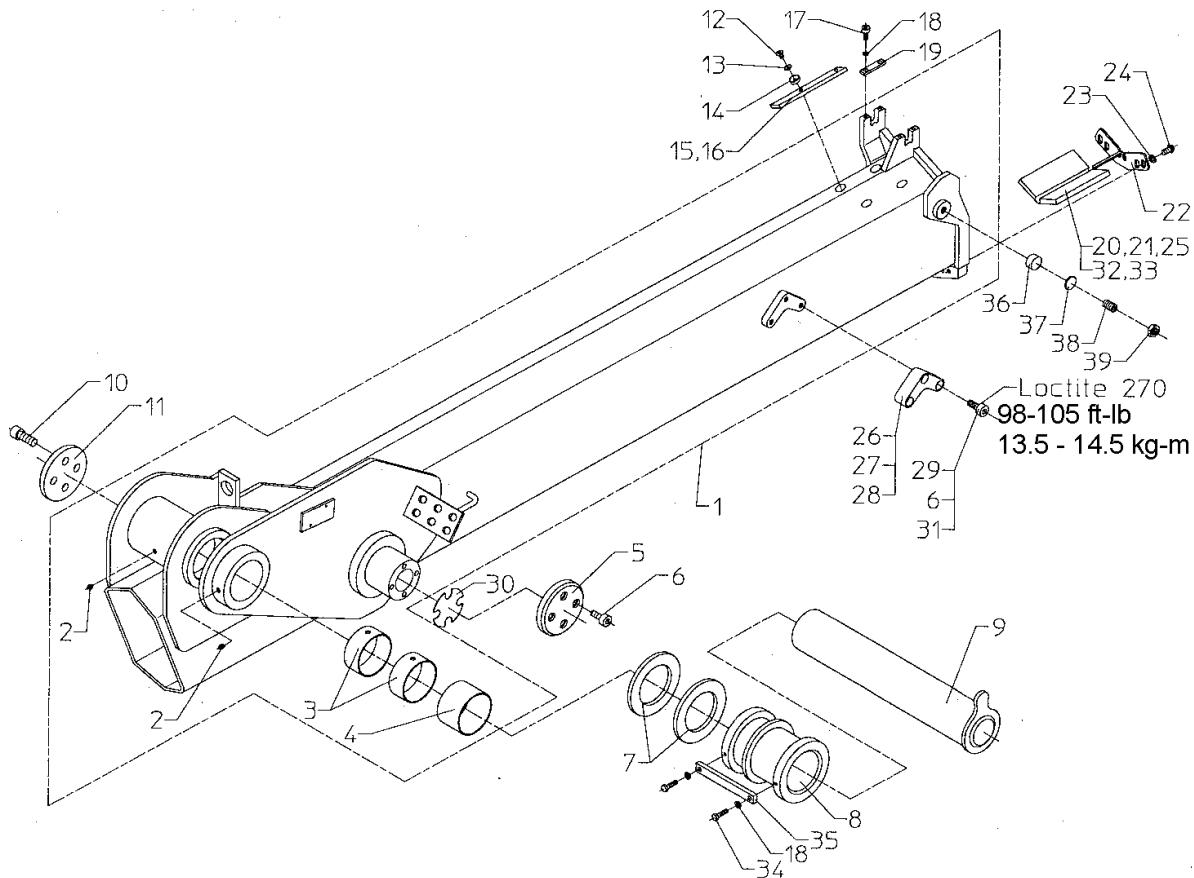


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## **OUTER (JIB) BOOM**

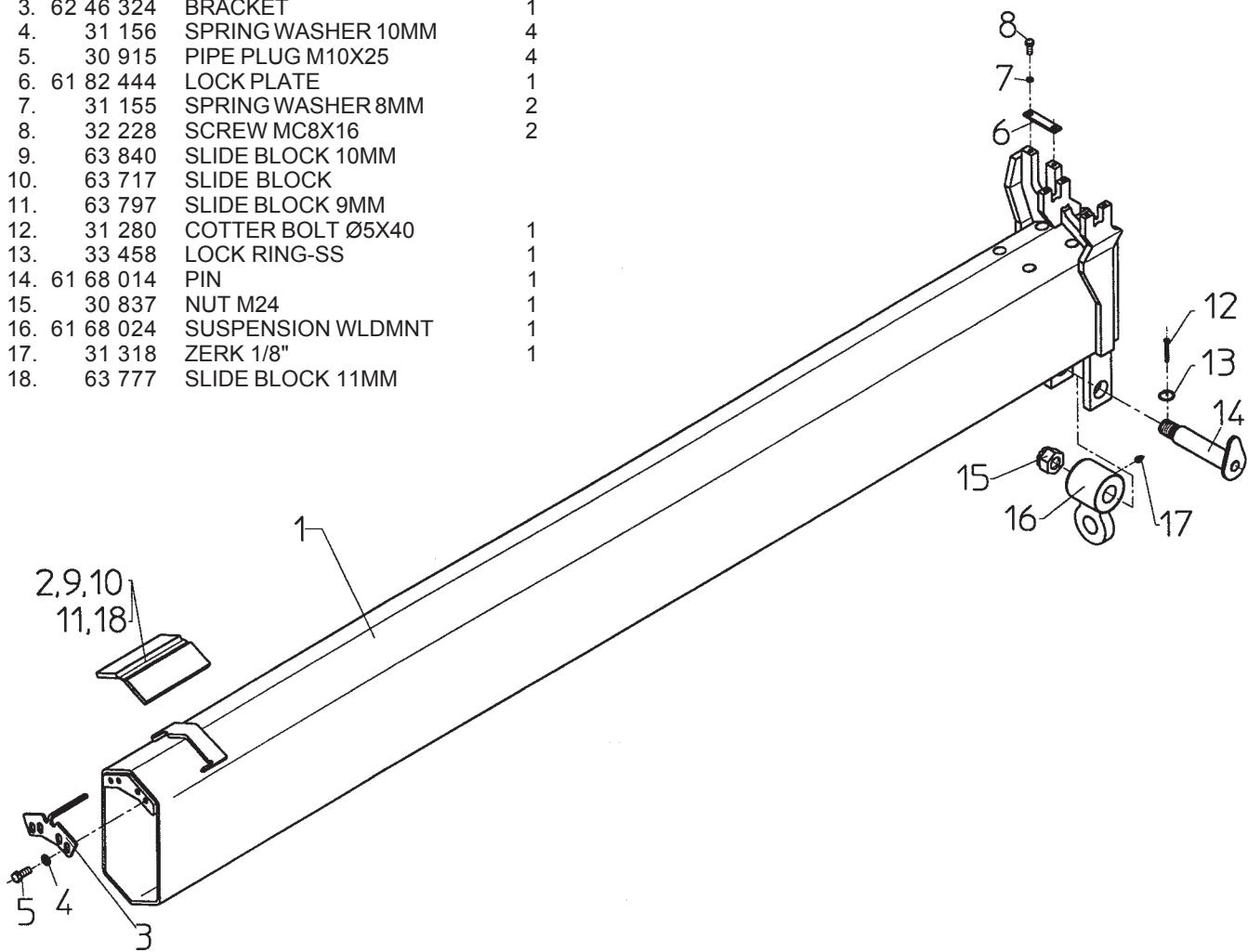
PARTS-10

1.	61 79 590	OUTER BOOM-COMPLETE	1		20.	63 837	SLIDE BLOCK 8MM	
2.	31 318	ZERK 1/8"			21.	63 840	SLIDE BLOCK 10MM	
3.	23 347	BUSHING PM9040DX			22.	62 46 314	BRACKET	1
4.	23 321	BUSHING PM9060DX			23.	31 156	SPRING WASHER 10MM	4
5.	61 68 124	END PLATE	1		24.	30 915	PIPE PLUG M10X25	4
6.	30 473	SCREW MC12X35	7		25.	63 717	SLIDE BLOCK	
7.	64 055	RING	2		26.	62 17 464	STOWING BRACKET	1
8.	63 961	HOSE REEL	1		27.	62 17 484	STOWING BRACKET	1
9.	61 68 104	PIN	1		28.	62 17 494	STOWING BRACKET	1
10.	30 490	SCREW MC16X40	4		29.	30 471	SCREW MC12X30	3
11.	61 68 114	END PLATE	1		30.	61 79 974	SPACER	1
12.	30 597	COUNTERSUNK SCR MK8X12	4		31.	30 475	SCREW MC12X40	3
13.	31 170	LOCK WASHER 8MM	4		32.	63 797	SLIDE BLOCK 9MM	
14.	62 42 994	LOCK WASHER	4		33.	63 777	SLIDE BLOCK 11MM	
15.	62 43 004	WEAR PLATE 6MM			34.	30 135	SET SCR M8X30	2
16.	62 43 014	WEAR PLATE 8MM			35.	61 73 124	CLAMP	1
17.	32 228	SCREW MC8X16	4		36.	64 096	SLIDE BLOCK	2
18.	31 155	SPRING WASHER 8MM	6		37.	61 82 334	PLATE	2
19.	62 43 024	STOWING PIN	2		38.	30 598	POINTED SCREW MSP16X25	2
					39.	30 821	COUNTER NUT M16	2



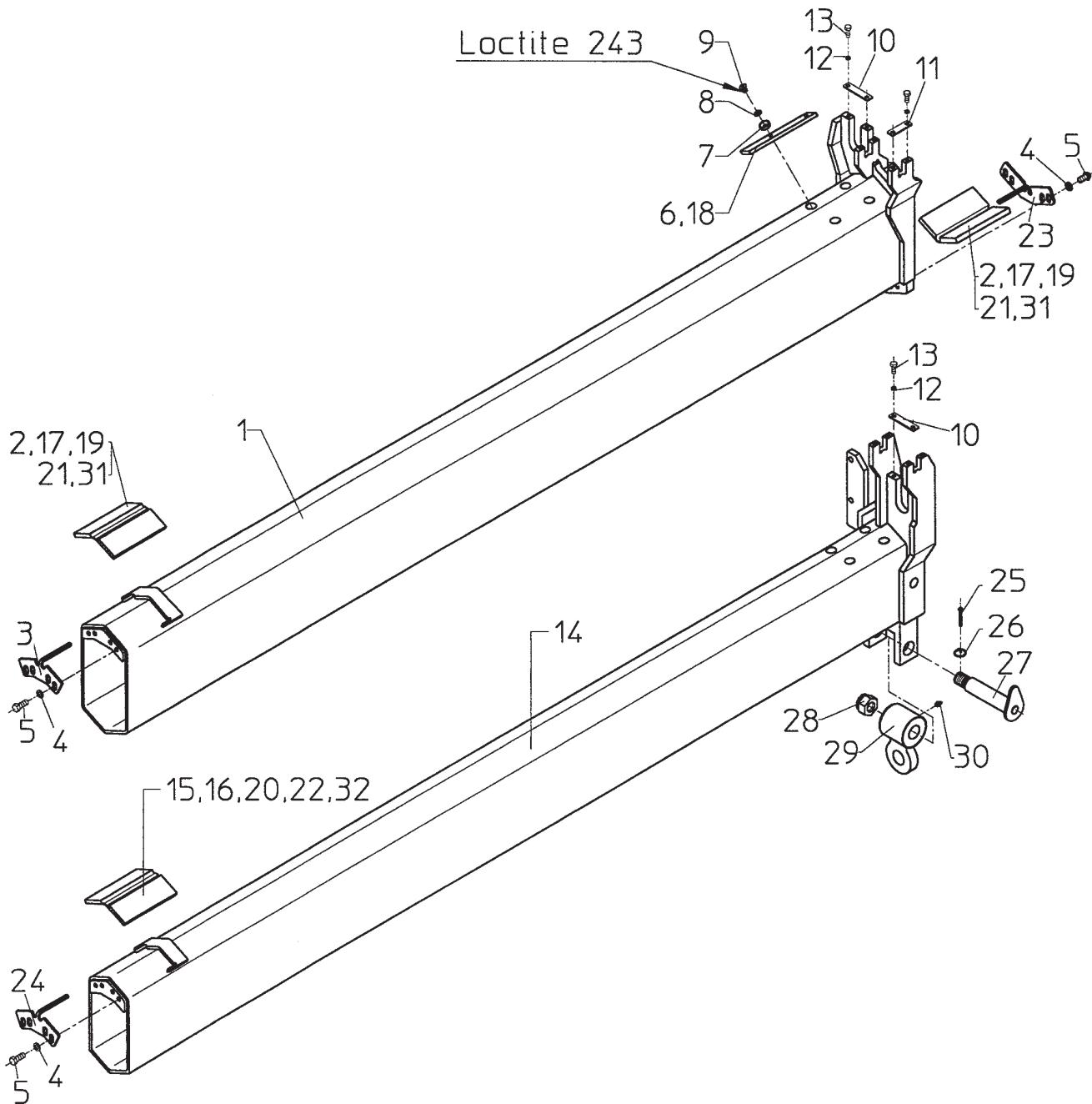
**EXTENSION-1H**

1.	62 44 432	EXTENSION 266MM	1
2.	63 837	SLIDE BLOCK 8MM	
3.	62 46 324	BRACKET	1
4.	31 156	SPRING WASHER 10MM	4
5.	30 915	PIPE PLUG M10X25	4
6.	61 82 444	LOCK PLATE	1
7.	31 155	SPRING WASHER 8MM	2
8.	32 228	SCREW MC8X16	2
9.	63 840	SLIDE BLOCK 10MM	
10.	63 717	SLIDE BLOCK	
11.	63 797	SLIDE BLOCK 9MM	
12.	31 280	COTTER BOLT Ø5X40	1
13.	33 458	LOCK RING-SS	1
14.	61 68 014	PIN	1
15.	30 837	NUT M24	1
16.	61 68 024	SUSPENSION WLDMNT	1
17.	31 318	ZERK 1/8"	1
18.	63 777	SLIDE BLOCK 11MM	



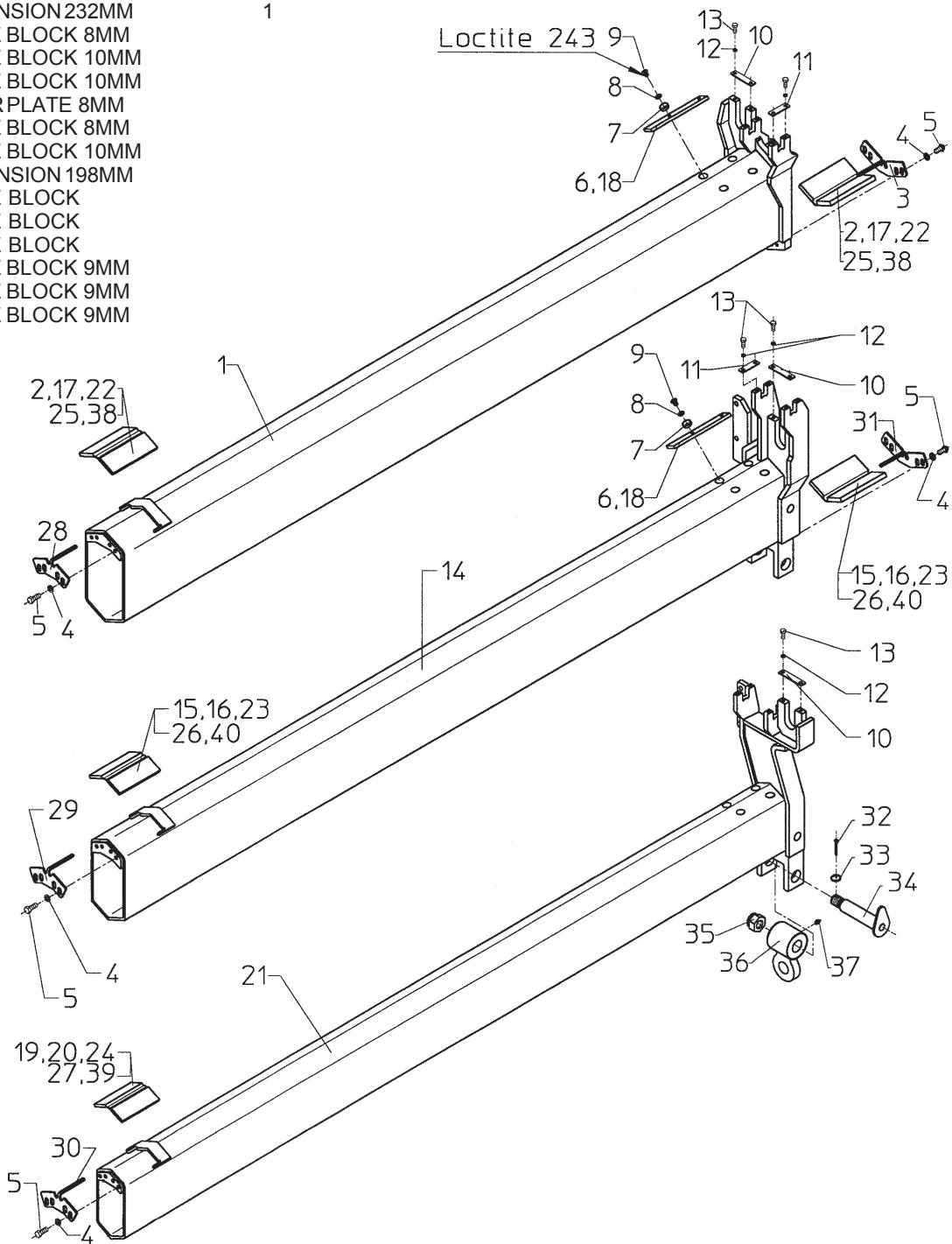
**EXTENSION-2H**

1. 62 42 322	EXTENSION 266MM	1	17. 63 840	SLIDE BLOCK 10MM	
2. 63 837	SLIDE BLOCK 8MM		18. 62 43 014	WEAR PLATE 8MM	
3. 62 46 324	BRACKET	1	19. 63 717	SLIDE BLOCK	
4. 31 156	SPRING WASHER 10MM	12	20. 63 716	SLIDE BLOCK	
5. 30 915	PIPE PLUG M10X25	12	21. 63 797	SLIDE BLOCK 9MM	
6. 62 43 004	WEAR PLATE 6MM		22. 63 798	SLIDE BLOCK 9MM	
7. 62 42 994	LOCK WASHER	4	23. 62 46 334	BRACKET	1
8. 31 170	LOCK WASHER 8MM	4	24. 62 46 354	BRACKET	1
9. 30 597	COUNTERSUNK SCR MK8X12	4	25. 31 280	COTTER BOLT Ø5X40	1
10. 61 82 444	LOCK PLATE	2	26. 33 458	LOCK RING-SS	1
11. 62 43 024	STOWING PIN	2	27. 61 68 014	PIN	1
12. 31 155	SPRING WASHER 8MM	8	28. 30 837	NUT M24	1
13. 32 228	SCREW MC8X16	8	29. 61 68 024	SUSPENSION WLDMNT	1
14. 62 42 402	EXTENSION 232MM	1	30. 31 318	ZERK 1/8"	1
15. 63 836	SLIDE BLOCK 8MM		31. 63 777	SLIDE BLOCK 11MM	
16. 63 839	SLIDE BLOCK 10MM		32. 63 779	SLIDE BLOCK 11MM	



**EXTENSION-3H**

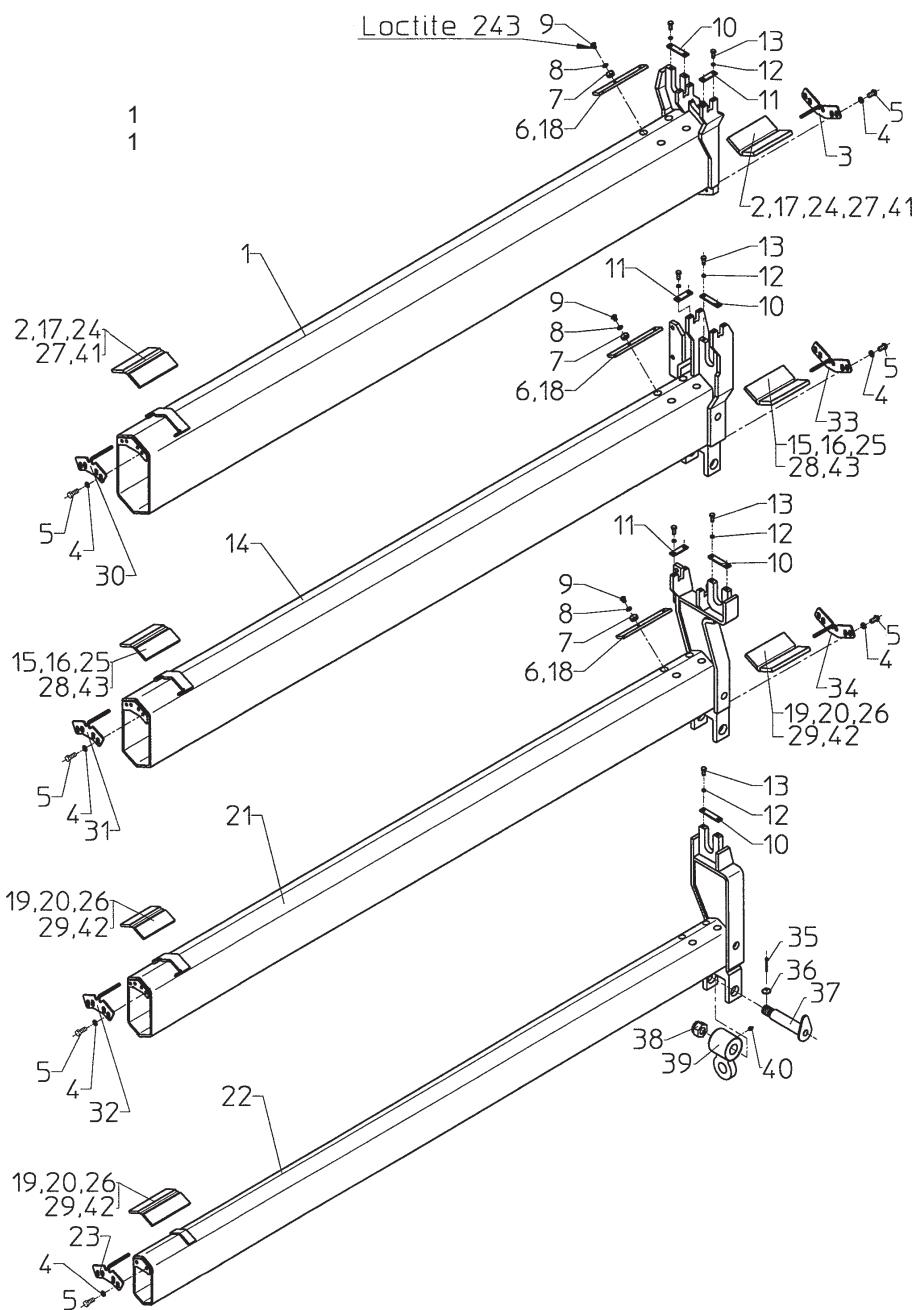
1. 62 42 322	EXTENSION 266MM	1	28. 62 46 324	BRACKET	1
2. 63 837	SLIDE BLOCK 8MM		29. 62 46 354	BRACKET	1
3. 62 46 334	BRACKET	1	30. 62 46 374	BRACKET	1
4. 31 156	SPRING WASHER 10MM	18	31. 62 46 344	BRACKET	1
5. 30 915	PIPE PLUG M10X25	18	32. 31 280	COTTER BOLT Ø5X40	1
6. 62 43 004	WEAR PLATE 6MM		33. 33 458	LOCK RING-SS	1
7. 62 42 994	LOCK WASHER	8	34. 61 68 014	PIN	1
8. 31 170	LOCK WASHER 8MM	8	35. 30 837	NUT M24	1
9. 30 597	COUNTERSUNK SCR MK8X12	8	36. 61 68 024	SUSPENSION WLDMNT	1
10. 61 82 444	LOCK PLATE	3	37. 31 318	ZERK 1/8"	1
11. 62 43 024	STOWING PIN	4	38. 63 777	SLIDE BLOCK 11MM	
12. 31 155	SPRING WASHER 8MM	14	39. 63 778	SLIDE BLOCK 11MM	
13. 32 228	SCREW MC8X16	14	40. 63 779	SLIDE BLOCK 11MM	
14. 62 42 402	EXTENSION 232MM	1			
15. 63 836	SLIDE BLOCK 8MM				
16. 63 839	SLIDE BLOCK 10MM				
17. 63 840	SLIDE BLOCK 10MM				
18. 62 43 014	WEAR PLATE 8MM				
19. 63 835	SLIDE BLOCK 8MM				
20. 63 838	SLIDE BLOCK 10MM				
21. 62 42 482	EXTENSION 198MM				
22. 63 717	SLIDE BLOCK				
23. 63 716	SLIDE BLOCK				
24. 63 715	SLIDE BLOCK				
25. 63 797	SLIDE BLOCK 9MM				
26. 63 798	SLIDE BLOCK 9MM				
27. 63 799	SLIDE BLOCK 9MM				



**EXTENSION-4H**

1.	62 42 322	EXTENSION 266MM
2.	63 837	SLIDE BLOCK 8MM
3.	62 46 334	BRACKET
4.	31 156	SPRING WASHER 10MM
5.	30 915	PIPE PLUG M10X25
6.	62 43 004	WEAR PLATE 6MM
7.	62 42 994	LOCK WASHER
8.	31 170	LOCK WASHER 8MM
9.	30 597	COUNTERSUNK SCR MK8X12
10.	61 82 444	LOCK PLATE
11.	62 43 024	STOWING PIN
12.	31 155	SPRING WASHER 8MM
13.	32 228	SCREW MC8X16
14.	62 42 402	EXTENSION 232MM
15.	63 836	SLIDE BLOCK 8MM
16.	63 839	SLIDE BLOCK 10MM
17.	63 840	SLIDE BLOCK 10MM
18.	62 43 014	WEAR PLATE 8MM
19.	63 835	SLIDE BLOCK 8MM
20.	63 838	SLIDE BLOCK 10MM
21.	62 42 482	EXTENSION 198MM
22.	62 45 952	EXTENSION 164MM
23.	62 46 384	BRACKET
24.	63 717	SLIDE BLOCK
25.	63 716	SLIDE BLOCK
26.	63 715	SLIDE BLOCK

1	27.	63 797	SLIDE BLOCK 9MM
	28.	63 798	SLIDE BLOCK 9MM
	29.	63 799	SLIDE BLOCK 9MM
	30.	62 46 324	BRACKET
	31.	62 46 354	BRACKET
	32.	62 46 374	BRACKET
	33.	62 46 344	BRACKET
	34.	62 46 364	BRACKET
	35.	31 280	COTTER BOLT Ø5X40
	36.	33 458	LOCK RING-SS
	37.	61 68 014	PIN
	38.	30 837	NUT M24
	39.	61 68 024	SUSPENSION WLDMNT
	40.	31 318	ZERK 1/8"
	41.	63 777	SLIDE BLOCK 11MM
	42.	63 778	SLIDE BLOCK 11MM
	43.	63 779	SLIDE BLOCK 11MM

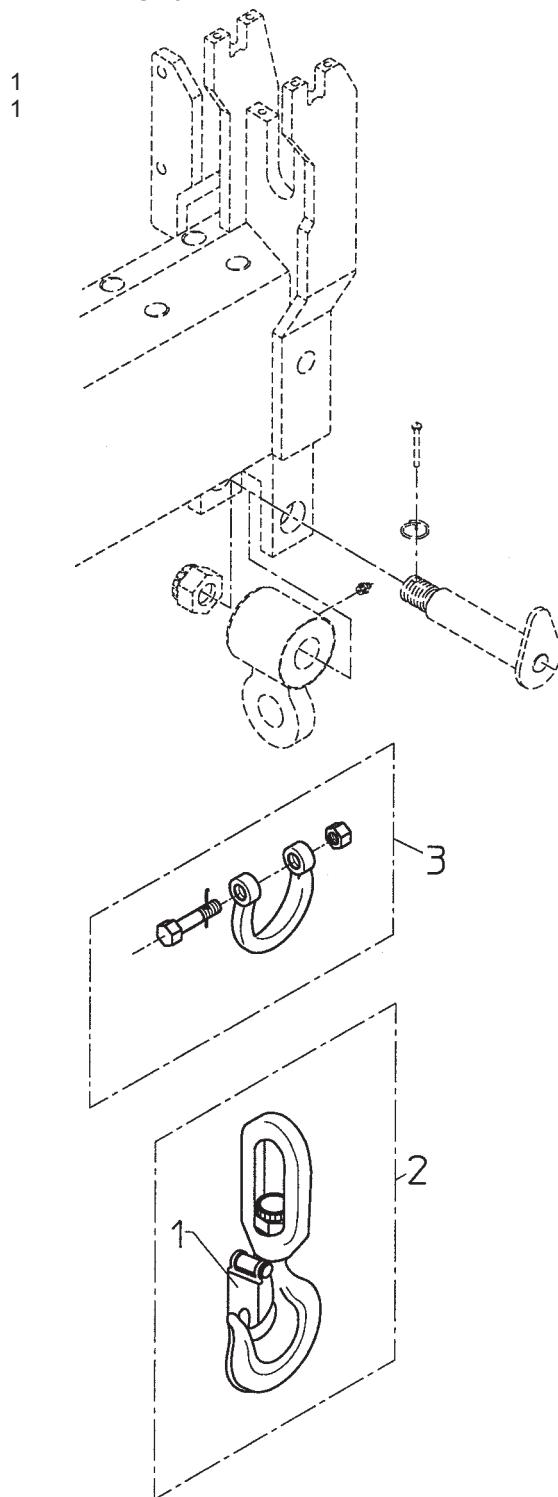


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**HOOK SUSPENSION**

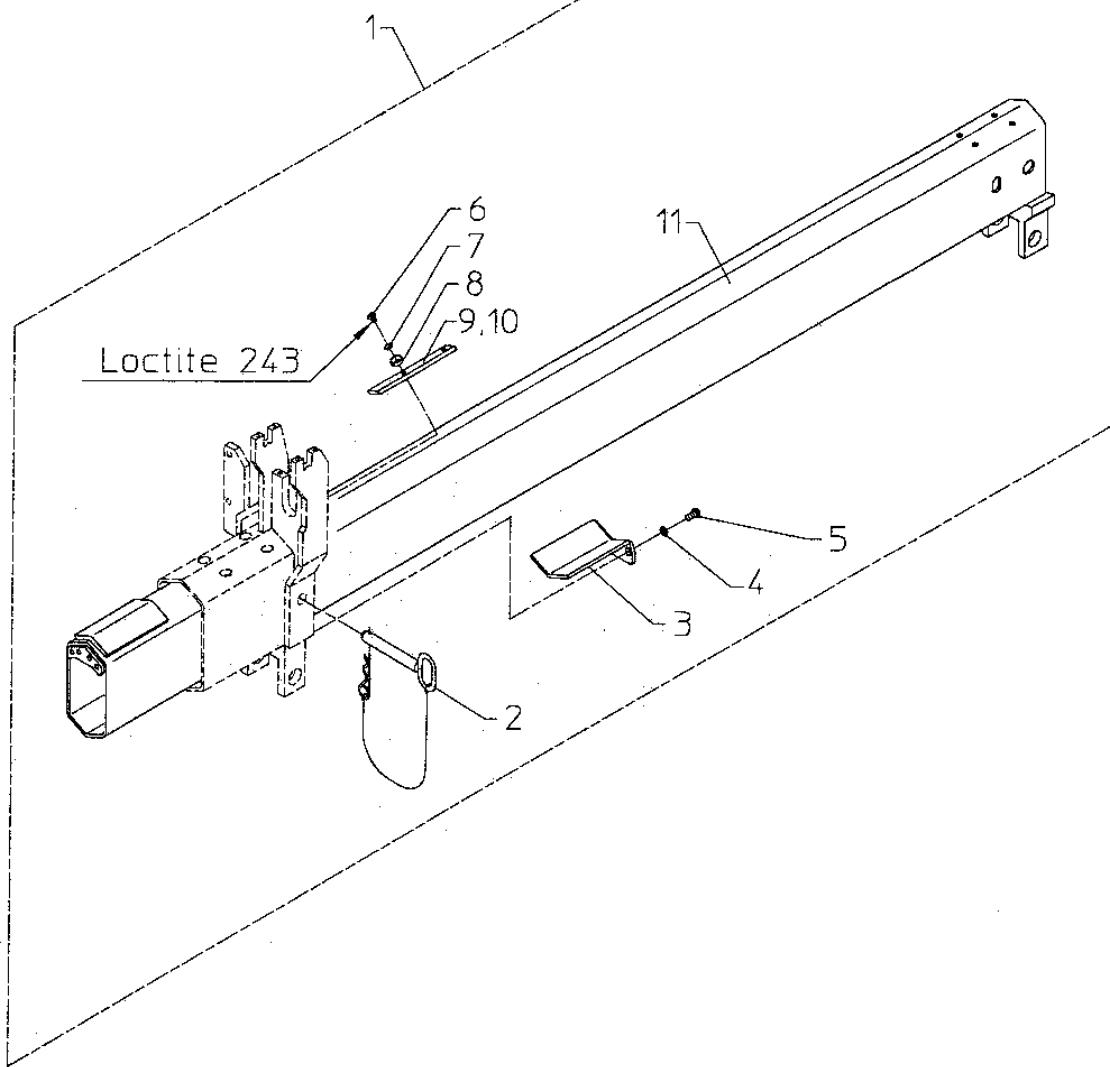
1. 62 143 SAFETY LATCH
2. 62 101 HOOK 40KN
3. 62 114 SHACKLE W/NUT 4.75T

PARTS-15



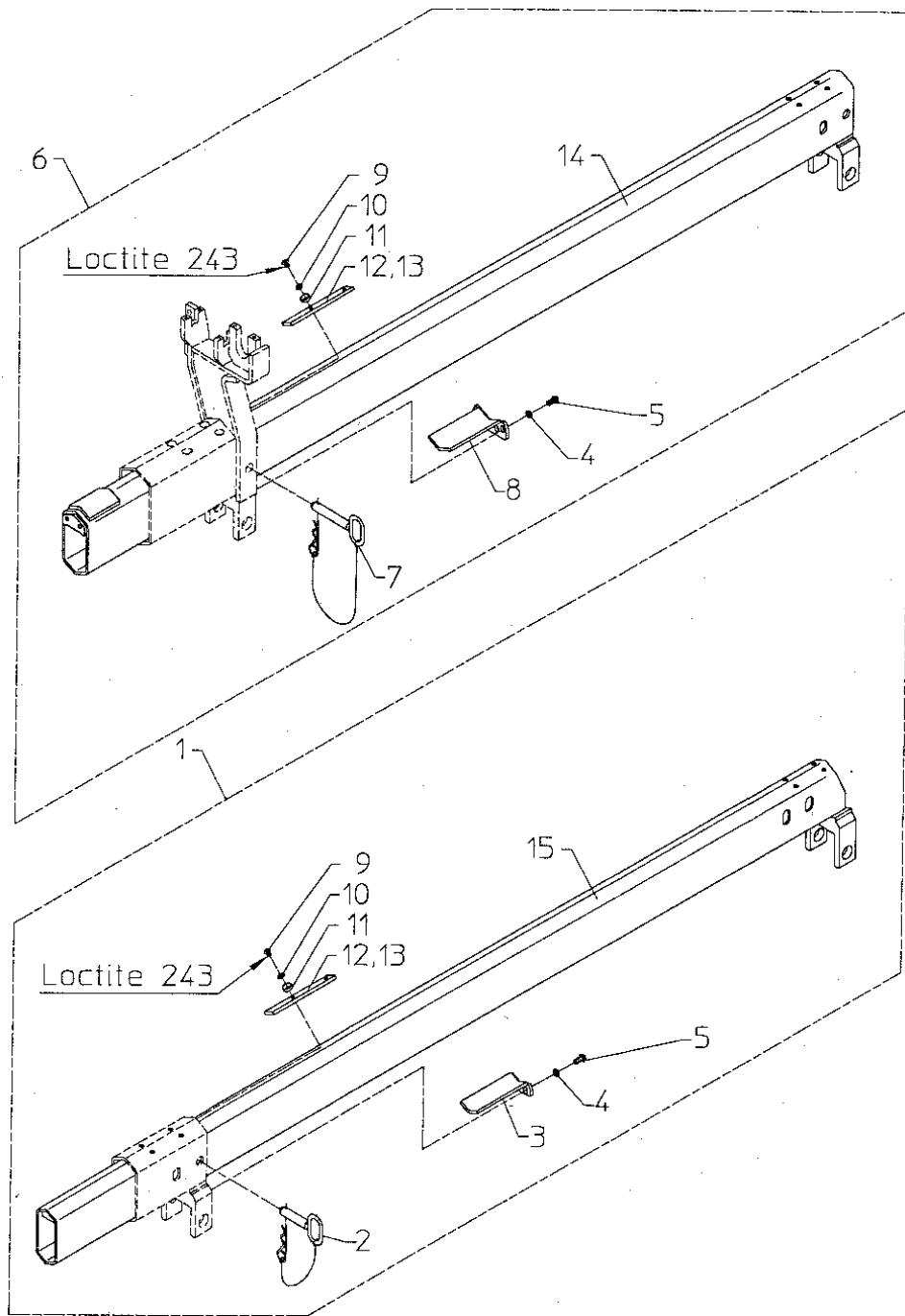
**MANUAL EXTENSIONS, K2**

- |     |           |                      |
|-----|-----------|----------------------|
| 1.  | 62 44 520 | MANUALEXT, 198 MM    |
| 2.  | 60 99 964 | LOCK PIN, 155 MM     |
| 3.  | 62 44 474 | BUSHING              |
| 4.  | 31 156    | SPRING WASHER, 10 MM |
| 5.  | 30 915    | PIPE PLUG, M10 X 25  |
| 6.  | 30 597    | C-SINK SCREW, MK8X12 |
| 7.  | 31 170    | LOCK WASHER 8MM      |
| 8.  | 62 42 994 | LOCK WASHER          |
| 9.  | 62 43 004 | WEAR PLATE, 6 MM     |
| 10. | 62 43 014 | WEAR PLATE, 8 MM     |
| 11. | 62 44 442 | MAN EXT, K2 COMPLETE |



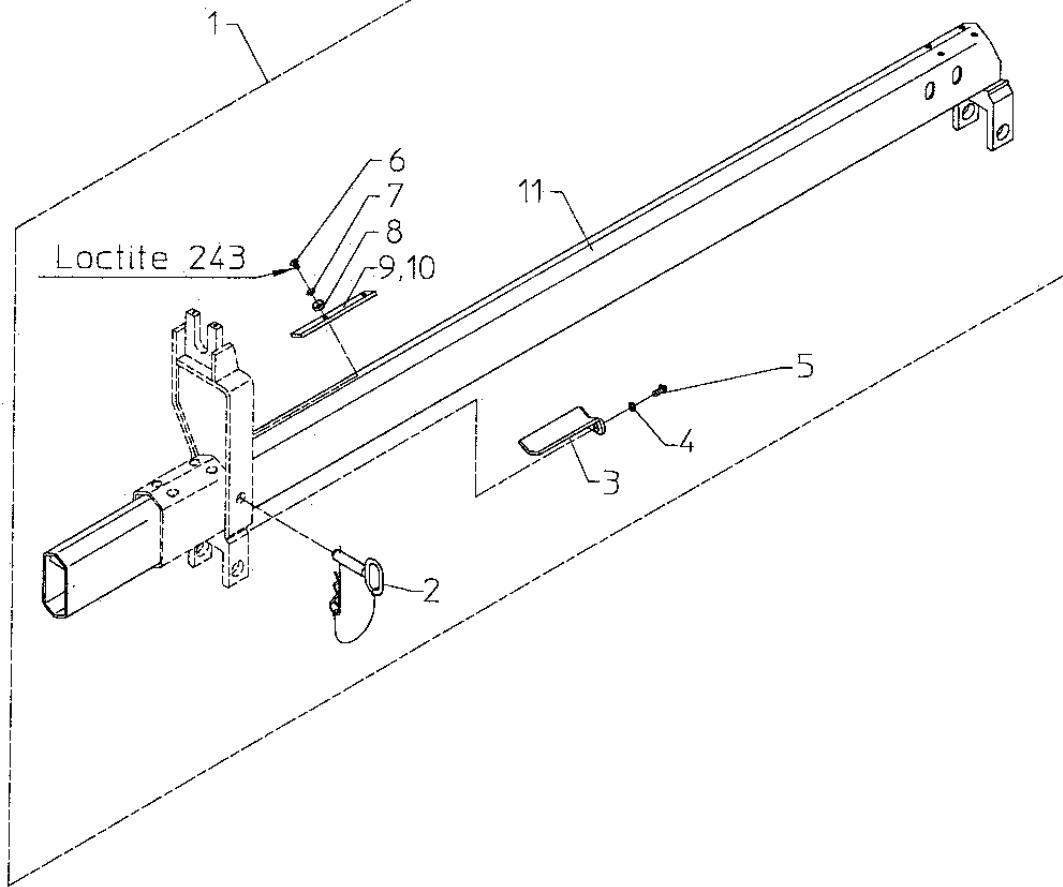
**MANUAL EXTENSIONS, K3**

- |               |                           |   |
|---------------|---------------------------|---|
| 1. 62 44 500  | MAN EXT, COMPLETE 140MM   | 1 |
| 2. 62 65 454  | LOCK PINW/CHAIN, 85MM     | 1 |
| 3. 62 43 434  | CLAMP                     |   |
| 4. 31 156     | LOCK WASHER 10 MM         |   |
| 5. 30 915     | PIPE PLUG M10X25          |   |
| 6. 62 44 510  | MAN. EXT., COMPLETE 164MM | 1 |
| 7. 60 99 964  | LOCK PIN 155 MM           | 1 |
| 8. 62 44 564  | BUSHING                   |   |
| 9. 30 597     | C-SINK SCREW MK8X12       |   |
| 10. 31 170    | LOCK WASHER 8MM           |   |
| 11. 62 42 994 | LOCK WASHER               |   |
| 12. 62 43 004 | WEARPLATE 6MM             |   |
| 13. 62 43 014 | WEARPLATE 8MM             |   |
| 14. 62 44 532 | MAN. EXT, 164 MM          |   |
| 15. 62 43 382 | MAN. EXT., 140 MM         |   |

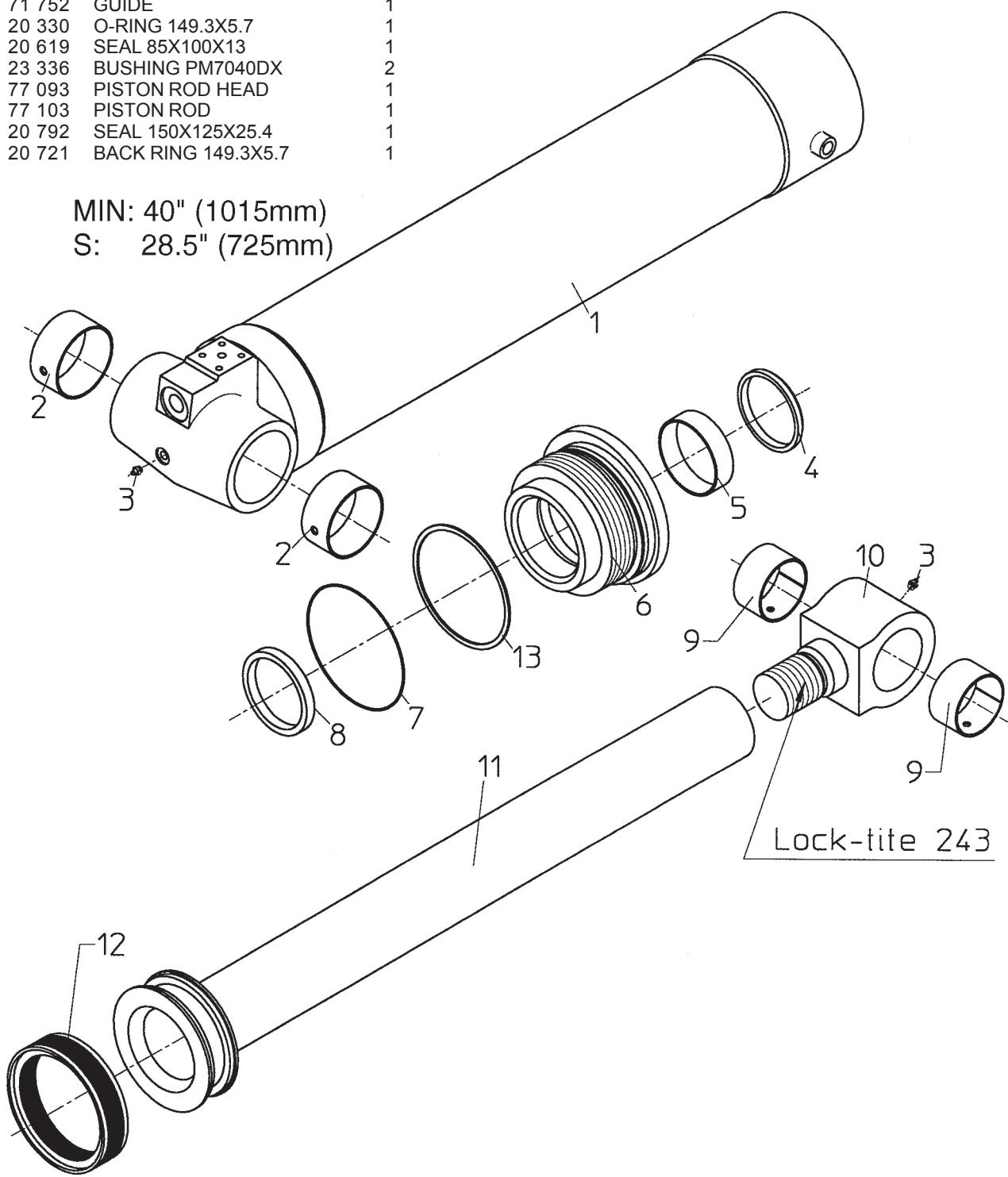


**MANUAL EXTENSIONS, K4**

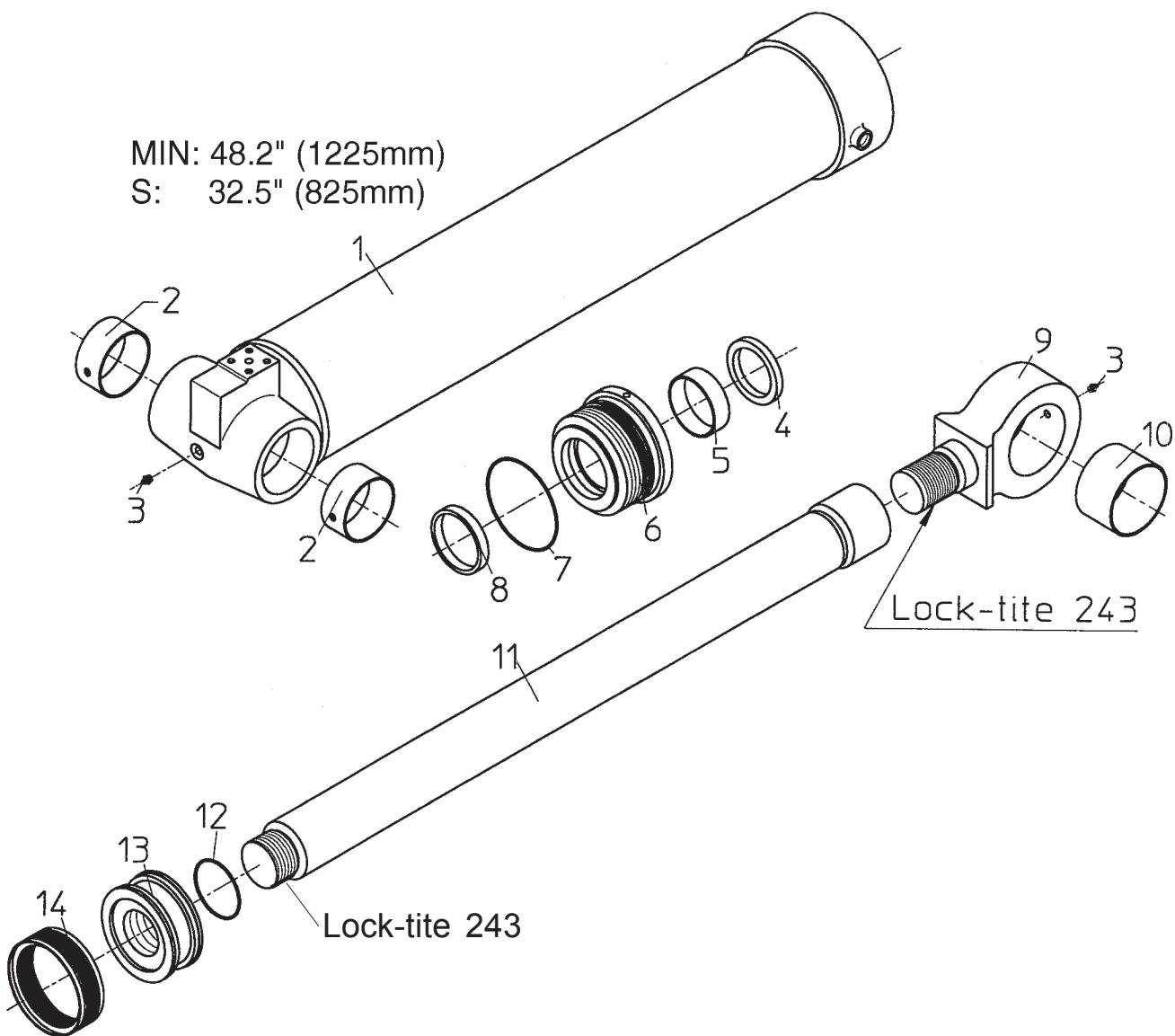
- |     |           |                            |   |
|-----|-----------|----------------------------|---|
| 1.  | 62 44 500 | MANUAL EXT., CPL 140 MM    | 1 |
| 2.  | 66 56 614 | LOCK PIN W/SPLIT PIN 105MM |   |
| 3.  | 62 43 434 | CLAMP                      |   |
| 4.  | 31 156    | SPRING WASHER 10 MM        |   |
| 5.  | 30 915    | PIPE PLUG M10 X 25         |   |
| 6.  | 30 597    | C-SINK SCREW MK8 X 12      |   |
| 7.  | 31 170    | LOCK WASHER 8MM            |   |
| 8.  | 62 42 994 | LOCK WASHER                |   |
| 9.  | 62 43 004 | WEAR PLATE, 6 MM           |   |
| 10. | 62 43 014 | WEAR PLATE, 8 MM           |   |
| 11. | 62 43 382 | MAN. EXT., 140 MM          |   |



61 71 740	INNER CYLINDER	1
68 92 470	SEAL KIT (INCL:4,5,7,8,12)	1
1. 61 71 802	CYLINDER (INCL:2)	1
2. 23 342	BUSHING PM8040DX	
3. 31 322	ZERK 1/8" 90°	2
4. 20 529	SCRAPER 85X95X7/10	1
5. 21 918	BEARING 85/90X25	1
6. 61 71 752	GUIDE	1
7. 20 330	O-RING 149.3X5.7	1
8. 20 619	SEAL 85X100X13	1
9. 23 336	BUSHING PM7040DX	2
10. 61 77 093	PISTON ROD HEAD	1
11. 61 77 103	PISTON ROD	1
12. 20 792	SEAL 150X125X25.4	1
13. 20 721	BACK RING 149.3X5.7	1



61 76 700	OUTER CYLINDER	
68 92 940	SEAL KIT (INCL:4,5,7,8,12,14)	
1. 61 76 662	CYLINDER (INCL:2)	1
2. 23 342	BUSHING PM8040DX	
3. 31 318	ZERK 1/8"	2
4. 20 523	SCRAPER 75X85X7/10	1
5. 22 101	BEARING 75/80X25	1
6. 62 02 973	GUIDE	1
7. 20 327	O-RING 119.3X5.7	1
8. 20 650	SEAL 75X85X13	1
9. 61 77 123	PISTON ROD HEAD	1
10. 23 321	BUSHING PM9060DX	1
11. 61 77 173	PISTON ROD	1
12. 20 188	O-RING 74.5X3	1
13. 62 02 963	PISTON	1
14. 20 791	SEAL 125X108X26.5	1

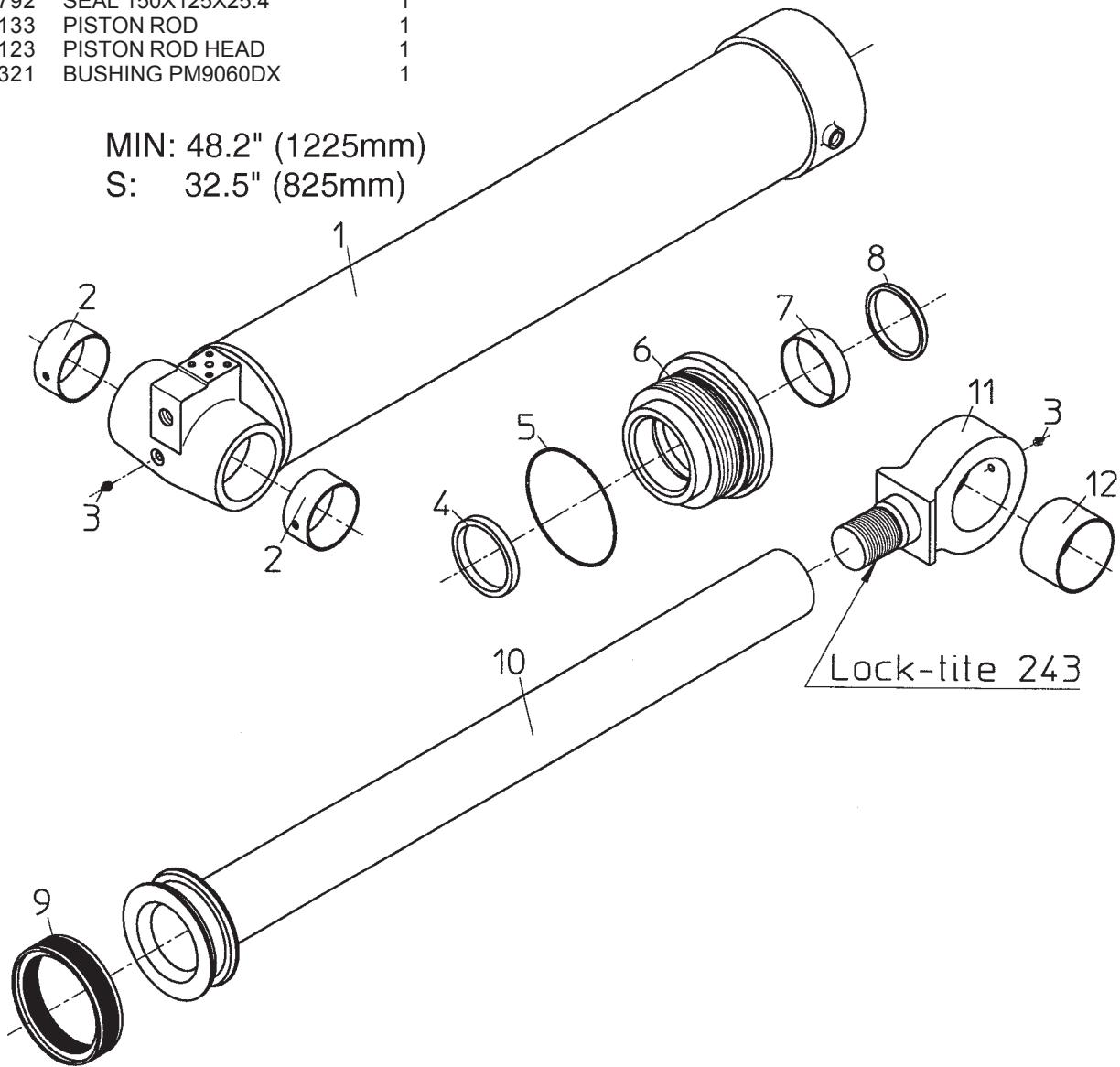


12/89: 505 03 060: 19990630  
**OUTER BOOM CYLINDER-C150-825 (4H)**

PARTS-21

61 71 980	OUTER CYLINDER	1
68 92 470	SEAL KIT (INCL:4,5,7,8,9)	1
1. 61 71 992	CYLINDER (INCL:2)	1
2. 23 342	BUSHING PM8040DX	
3. 31 318	ZERK 1/8"	2
4. 20 619	SEAL 85X100X13	1
5. 20 330	O-RING 149.3X5.7	1
6. 61 71 752	GUIDE	1
7. 21 918	BEARING 85/90X25	1
8. 20 529	SCRAPER 85X95X7/10	1
9. 20 792	SEAL 150X125X25.4	1
10. 61 77 133	PISTON ROD	1
11. 61 77 123	PISTON ROD HEAD	1
12. 23 321	BUSHING PM9060DX	1

MIN: 48.2" (1225mm)  
S: 32.5" (825mm)

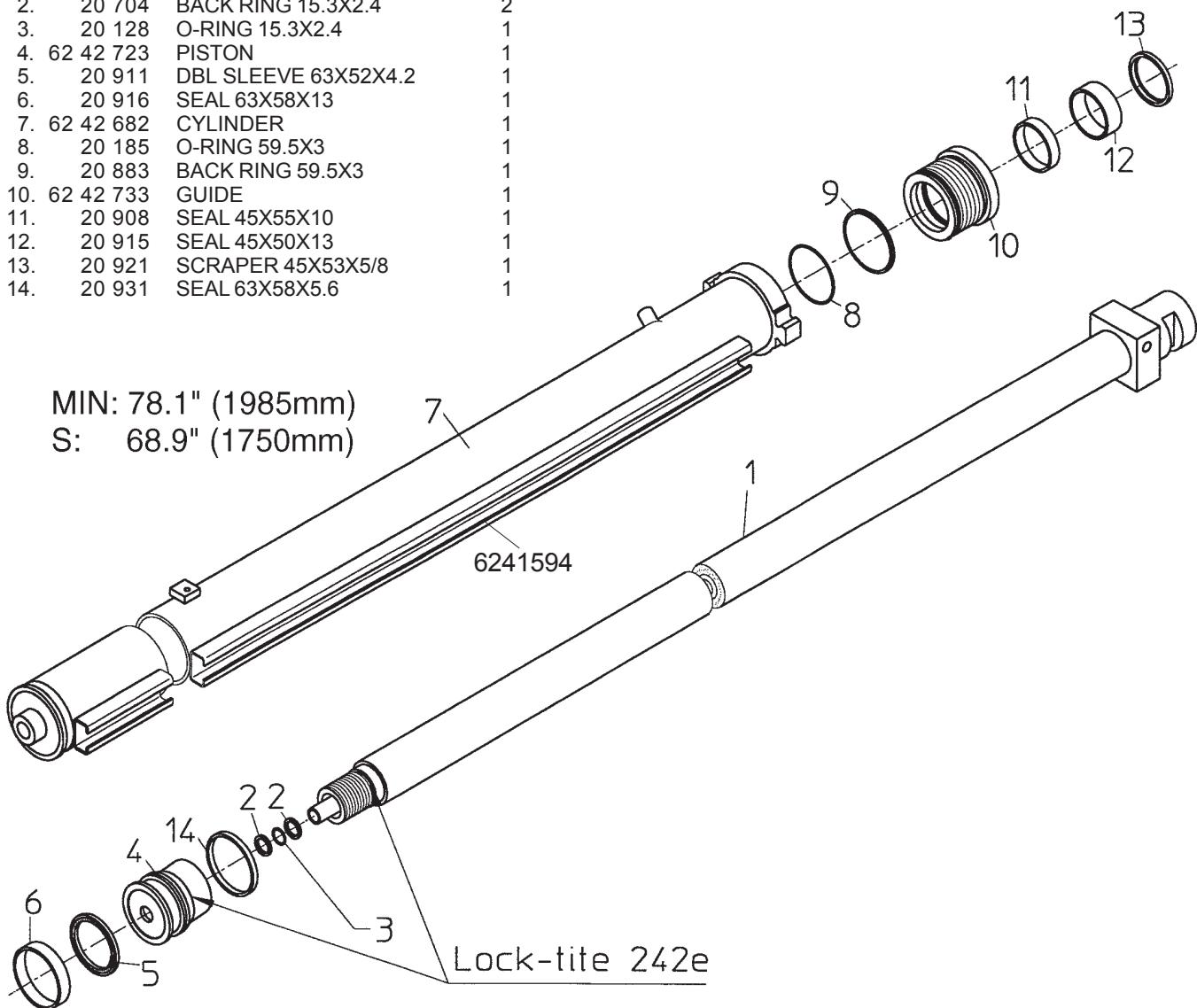


12/89: 505 03 100: 20020909  
**EXTENSION CYLINDER-C63-1750 (1H)**

PARTS-22

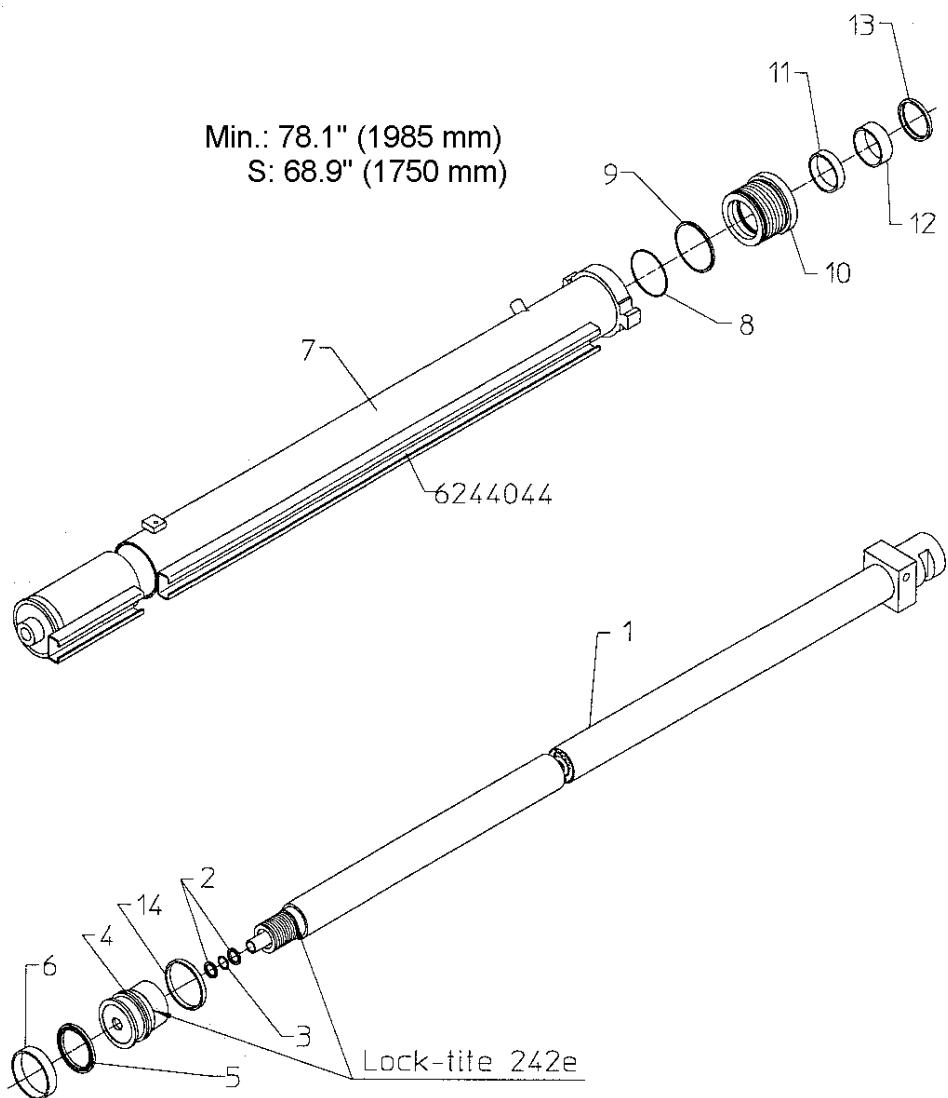
62 48 140	EXT CYLINDER 1H	
68 93 090	SEAL KIT (INCL:2,3,5,6,8,9,11-13)	
1. 62 42 743	PISTON ROD	1
2. 20 704	BACK RING 15.3X2.4	2
3. 20 128	O-RING 15.3X2.4	1
4. 62 42 723	PISTON	1
5. 20 911	DBL SLEEVE 63X52X4.2	1
6. 20 916	SEAL 63X58X13	1
7. 62 42 682	CYLINDER	1
8. 20 185	O-RING 59.5X3	1
9. 20 883	BACK RING 59.5X3	1
10. 62 42 733	GUIDE	1
11. 20 908	SEAL 45X55X10	1
12. 20 915	SEAL 45X50X13	1
13. 20 921	SCRAPER 45X53X5/8	1
14. 20 931	SEAL 63X58X5.6	1

**FROM SERIAL NO. 340480 THROUGH 340805**



**EXTENSION CYLINDER- C63-1750 (1H)**

62 48 140	EXT CYL, K1 C63-1750	1
68 93 090	SEAL KIT (INCL. 2,3,5,6,8,9,11-13)	
1. 62 42 743	PISTON ROD	1
2. 20 704	BACK RING, 15.3 X 2.4	2
3. 20 128	O-RING 15.3 X 2.4	1
4. 62 42 723	PISTON	1
5. 20 911	DOUBLE SLEEVE 63X52X4.2	1
6. 20 916	SEAL 63 X 58 X 13	1
7. 62 48 642	CYLINDER	1
8. 20 185	O-RING 59.5 X 3	1
9. 20 883	BACK RING 59.5 X 3.0	1
10. 62 42 733	GUIDE	1
11. 20 908	SEAL 45 X 55 X 10	1
12. 20 915	SEAL 45 X 50 X 13	1
13. 20 921	SCRAPER 45 X 53 X 5/8	1
14. 20 931	SEAL 63 X 58 X 5.6	1

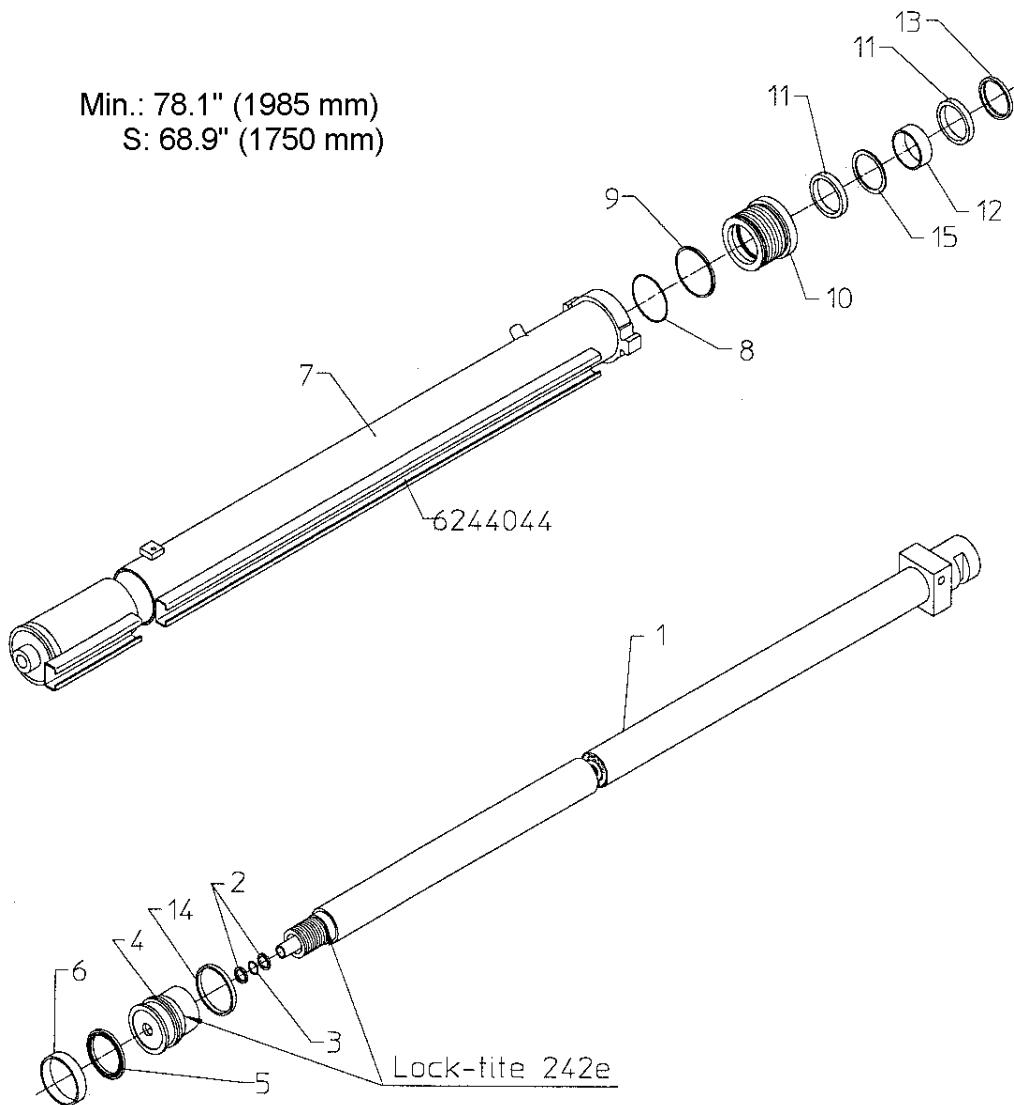
**FROM SERIAL NO. 340806 THROUGH 341158**

**EXTENSION CYLINDER- C63-1750 (1H)**

62 48 140	EXT CYL, K1 C63-1750	
68 93 510	SEAL KIT (INCL. 2,3,5,6,8,9,11-13, 15)	
1. 62 42 743	PISTON ROD	1
2. 20 704	BACK RING, 15.3 X 2.4	2
3. 20 128	O-RING 15.3 X 2.4	1
4. 62 42 723	PISTON	1
5. 20 911	DOUBLE SLEEVE 63X52X4.2	1
6. 20 916	SEAL 63 X 58 X 13	1
7. 62 48 642	CYLINDER	1
8. 20 185	O-RING 59.5 X 3	1
9. 20 883	BACK RING 59.5 X 3.0	1
10. 62 42 633	GUIDE	1
11. 22 147	SEAL SI/L 45/55X8	2
12. 20 915	SEAL 45 X 50 X 13	1
13. 20 921	SCRAPER 45 X 53 X 5/8	1
14. 20 931	SEAL 63 X 58 X 5.6	1
15. 22 146	BACK RING STR 45/55 X 2-A	1

**FROM SERIAL NO. 3341159 AND UP**

Min.: 78.1" (1985 mm)  
 S: 68.9" (1750 mm)

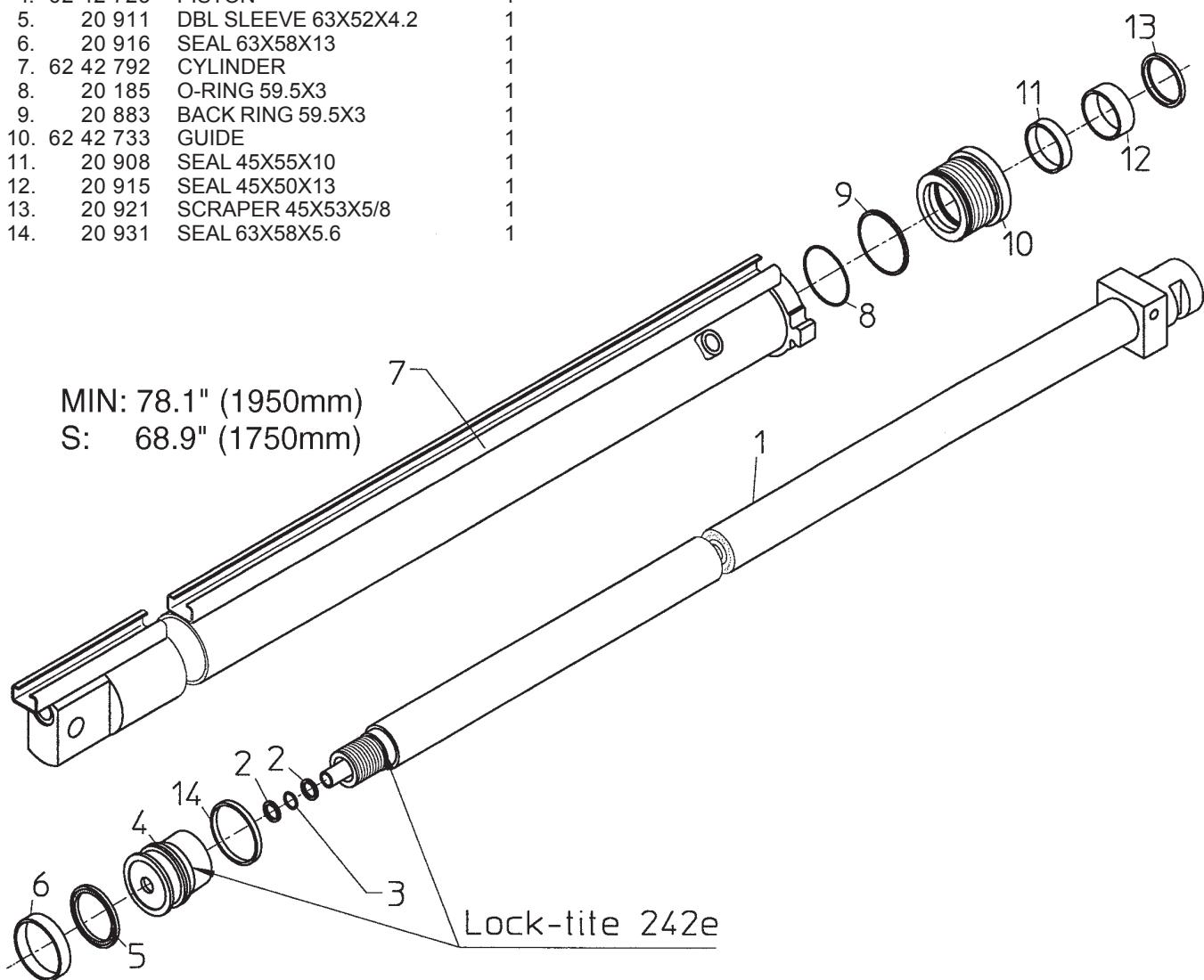


12/89: 505 03 110: 19990630  
**EXTENSION CYLINDER-C63-1750 (2H)**

PARTS-25

62 48 150	EXT CYLINDER 2H	1
68 93 090	SEAL KIT (INCL:2,3,5,6,8,9,11-13)	
1. 62 42 743	PISTON ROD	1
2. 20 704	BACK RING 15.3X2.4	2
3. 20 128	O-RING 15.3X2.4	1
4. 62 42 723	PISTON	1
5. 20 911	DBL SLEEVE 63X52X4.2	1
6. 20 916	SEAL 63X58X13	1
7. 62 42 792	CYLINDER	1
8. 20 185	O-RING 59.5X3	1
9. 20 883	BACK RING 59.5X3	1
10. 62 42 733	GUIDE	1
11. 20 908	SEAL 45X55X10	1
12. 20 915	SEAL 45X50X13	1
13. 20 921	SCRAPER 45X53X5/8	1
14. 20 931	SEAL 63X58X5.6	1

**FROM SERIAL NO. 340480 THROUGH 341158**

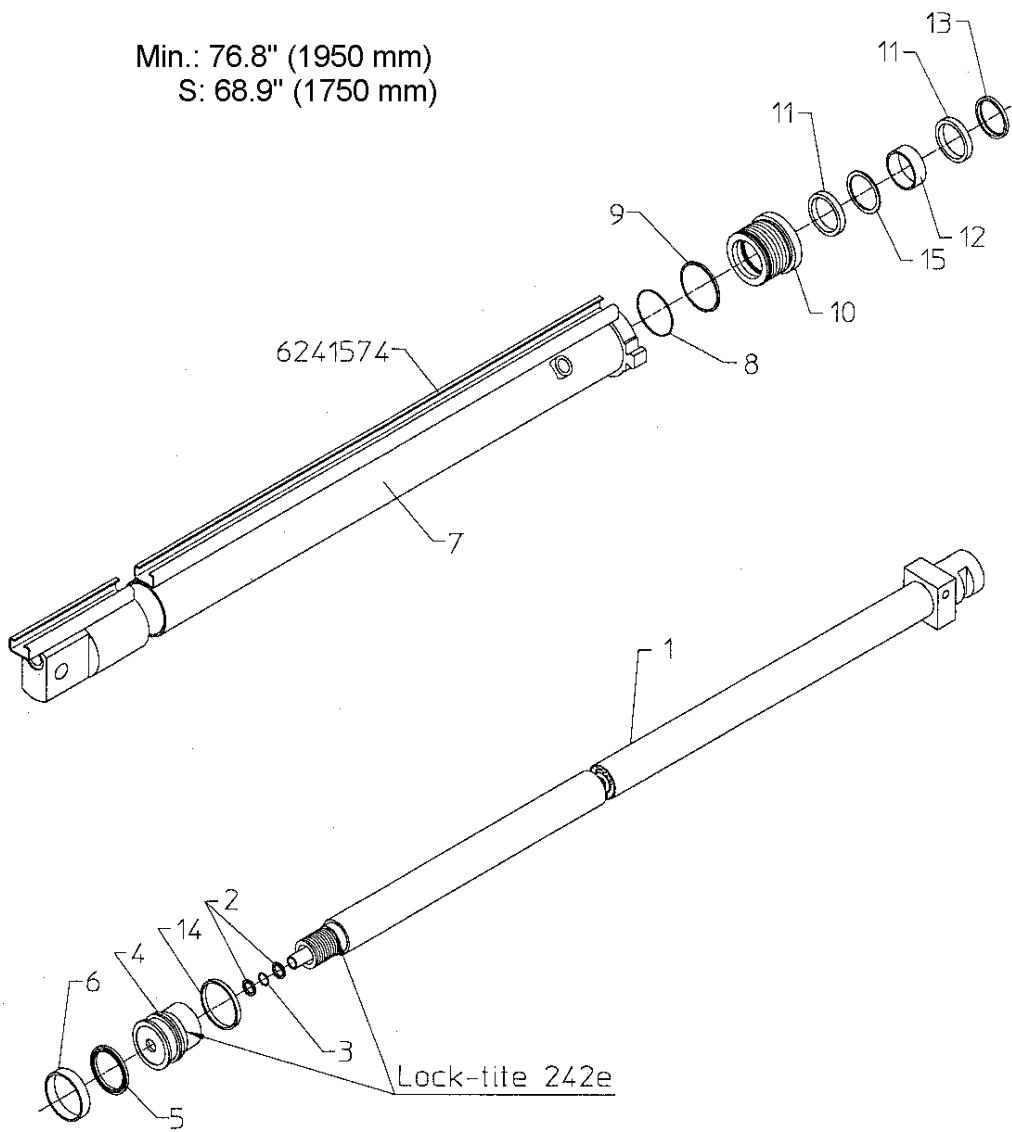


**EXTENSION CYLINDER-C63-1750 (2H)**

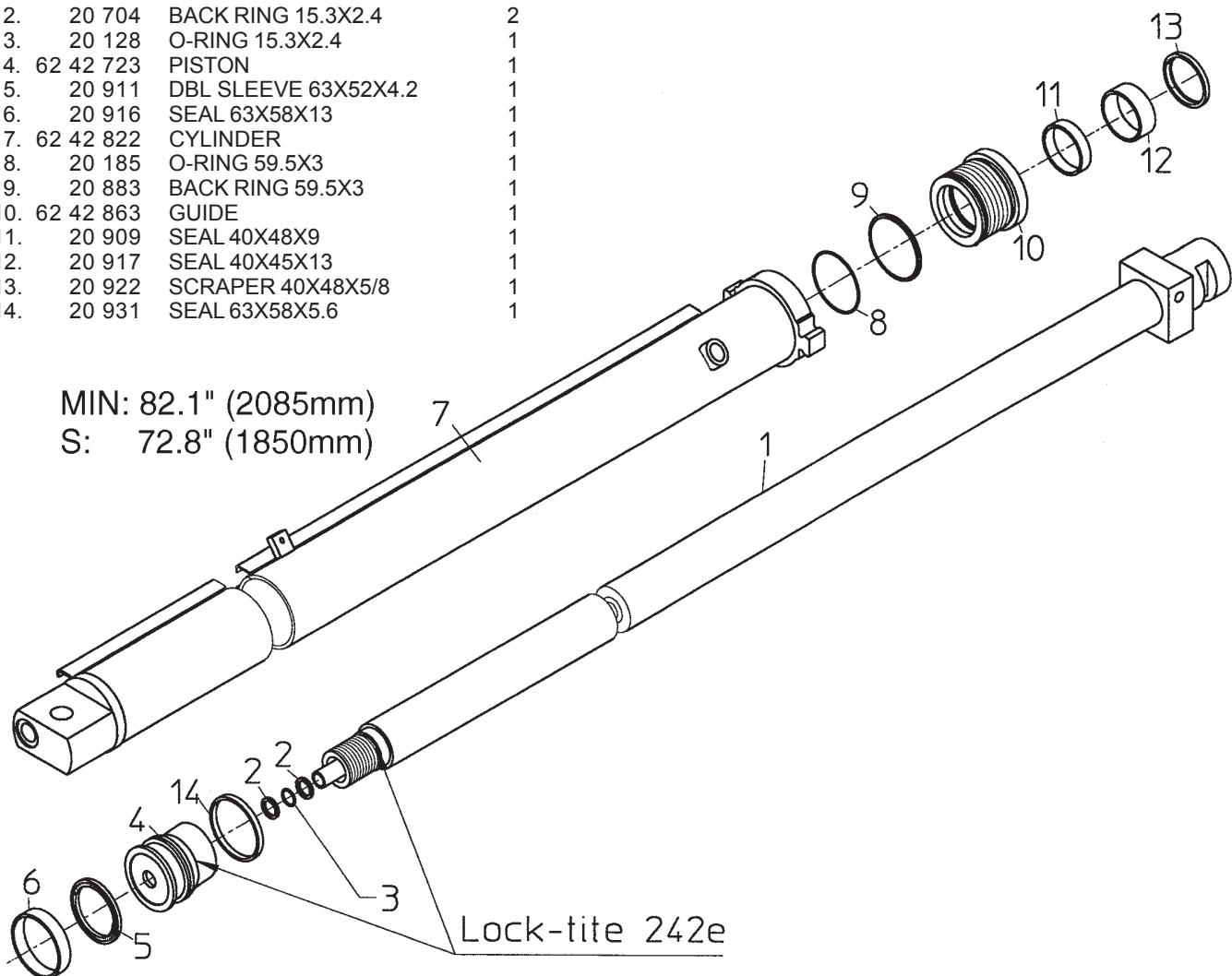
62 48 150	EXT CYLINDER 2H	
68 93 510	SEAL KIT (INCL:2,3,5,6,8,9,11-13, 15)	
1. 62 42 743	PISTON ROD	1
2. 20 704	BACK RING 15.3X2.4	2
3. 20 128	O-RING 15.3X2.4	1
4. 62 42 723	PISTON	1
5. 20 911	DBL SLEEVE 63X52X4.2	1
6. 20 916	SEAL 63X58X13	1
7. 62 42 792	CYLINDER	1
8. 20 185	O-RING 59.5X3	1
9. 20 883	BACK RING 59.5X3	1
10. 62 42 633	GUIDE	1
11. 22 147	SEAL SI/L 45/55 X 8	1
12. 20 915	SEAL 45X50X13	1
13. 20 921	SCRAPER 45X53X5/8	1
14. 20 931	SEAL 63X58X5.6	1
15. 22 146	BACK RING STR 45/55 X 2-A	1

**FROM SERIAL NO. 341159 AND UP**

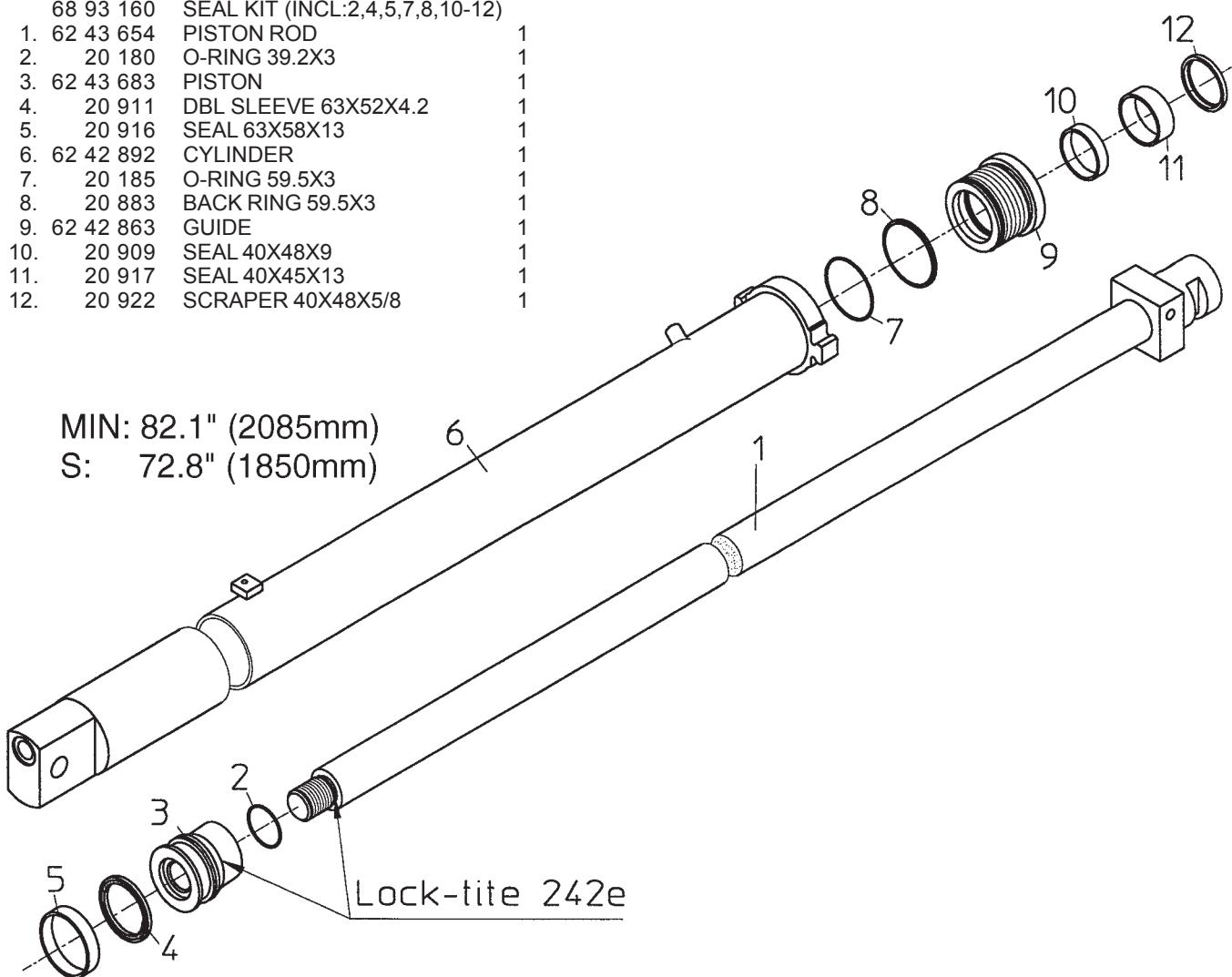
Min.: 76.8" (1950 mm)  
 S: 68.9" (1750 mm)



62 48 160	EXT CYLINDER 3H	1
68 93 150	SEAL KIT (INCL:2,3,5,6,8,9,11-13)	
1. 62 42 843	PISTON ROD	1
2. 20 704	BACK RING 15.3X2.4	2
3. 20 128	O-RING 15.3X2.4	1
4. 62 42 723	PISTON	1
5. 20 911	DBL SLEEVE 63X52X4.2	1
6. 20 916	SEAL 63X58X13	1
7. 62 42 822	CYLINDER	1
8. 20 185	O-RING 59.5X3	1
9. 20 883	BACK RING 59.5X3	1
10. 62 42 863	GUIDE	1
11. 20 909	SEAL 40X48X9	1
12. 20 917	SEAL 40X45X13	1
13. 20 922	SCRAPER 40X48X5/8	1
14. 20 931	SEAL 63X58X5.6	1



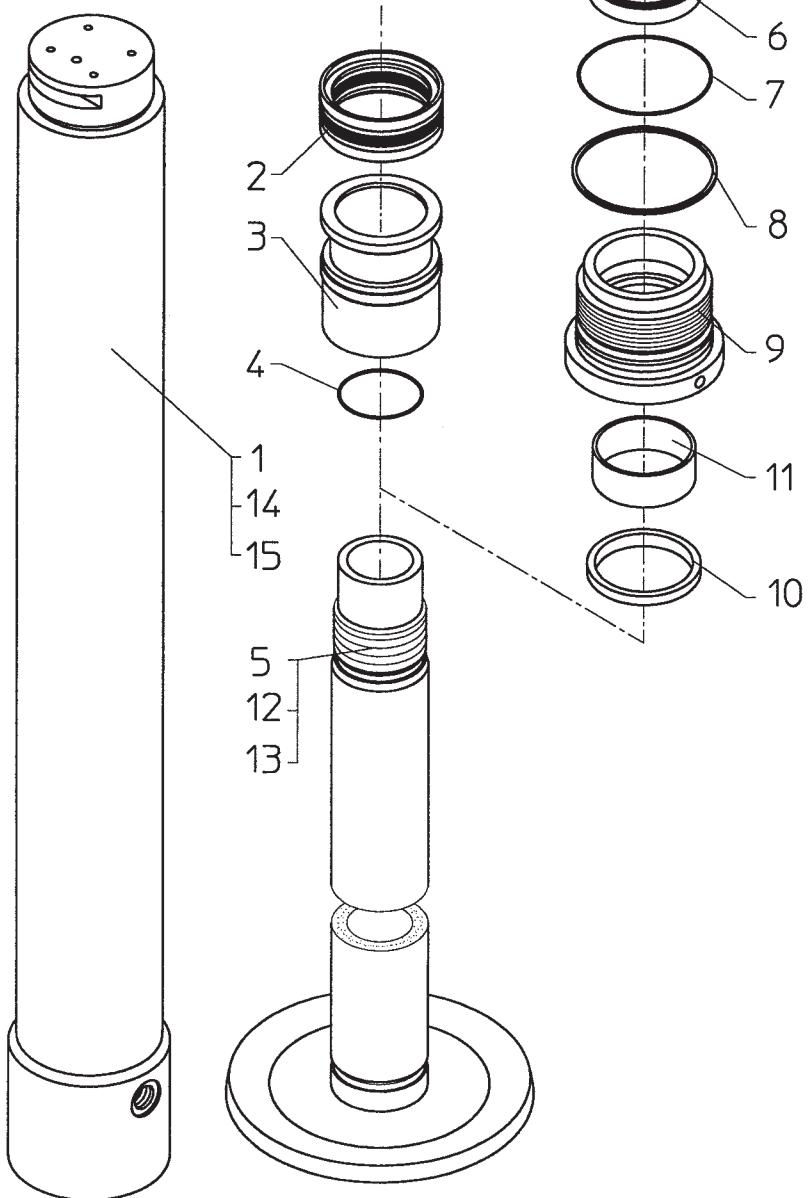
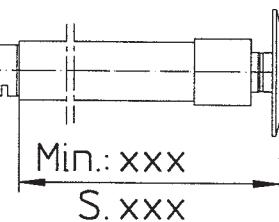
62 48 170	EXT CYLINDER 4H	1
68 93 160	SEAL KIT (INCL:2,4,5,7,8,10-12)	
1. 62 43 654	PISTON ROD	1
2. 20 180	O-RING 39.2X3	1
3. 62 43 683	PISTON	1
4. 20 911	DBL SLEEVE 63X52X4.2	1
5. 20 916	SEAL 63X58X13	1
6. 62 42 892	CYLINDER	1
7. 20 185	O-RING 59.5X3	1
8. 20 883	BACK RING 59.5X3	1
9. 62 42 863	GUIDE	1
10. 20 909	SEAL 40X48X9	1
11. 20 917	SEAL 40X45X13	1
12. 20 922	SCRAPER 40X48X5/8	1



**STABILIZER CYLINDER-C80-XXX TYPE V**

68 93 070	SEAL KIT (INCL:2,4,6,7,8,10,11)	1	6.	20 687	SEAL 63X73X13	1
62 44 590	STABILIZER CYLINDER (C80-500)	1	7.	20 190	O-RING 84.5X3	1
62 41 730	STABILIZER CYLINDER (C80-625)	1	8.	20 710	BACK RING 84.5X3	1
62 44 600	STABILIZER CYLINDER (C80-800)	1	9.	61 71 153	GUIDE	1
1. 62 02 272	CYLINDER	1	10.	20 518	SCRAPER 63X75X7/10	1
2. 20 785	SEAL 80X66X22.5	1	11.	21 911	BEARING 68/63X25	1
3. 62 41 763	PISTON	1	12.	62 44 353	PISTON ROD	1
4. 20 183	O-RING 54.5X3	1	13.	62 44 373	PISTON ROD	1
5. 62 41 743	PISTON ROD	1	14.	62 44 392	CYLINDER	1
			15.	62 44 412	CYLINDER	1

	TYPE	MIN:	S:
62 44 590	C80-500	28.3"(719mm)	19.7"(500mm)
62 41 730	C80-625	33.2"(844mm)	24.6"(625mm)
62 44 600	C80-800	40.1"(1019mm)	31.5"(800mm)



12/89: 505 03 310: 20020909

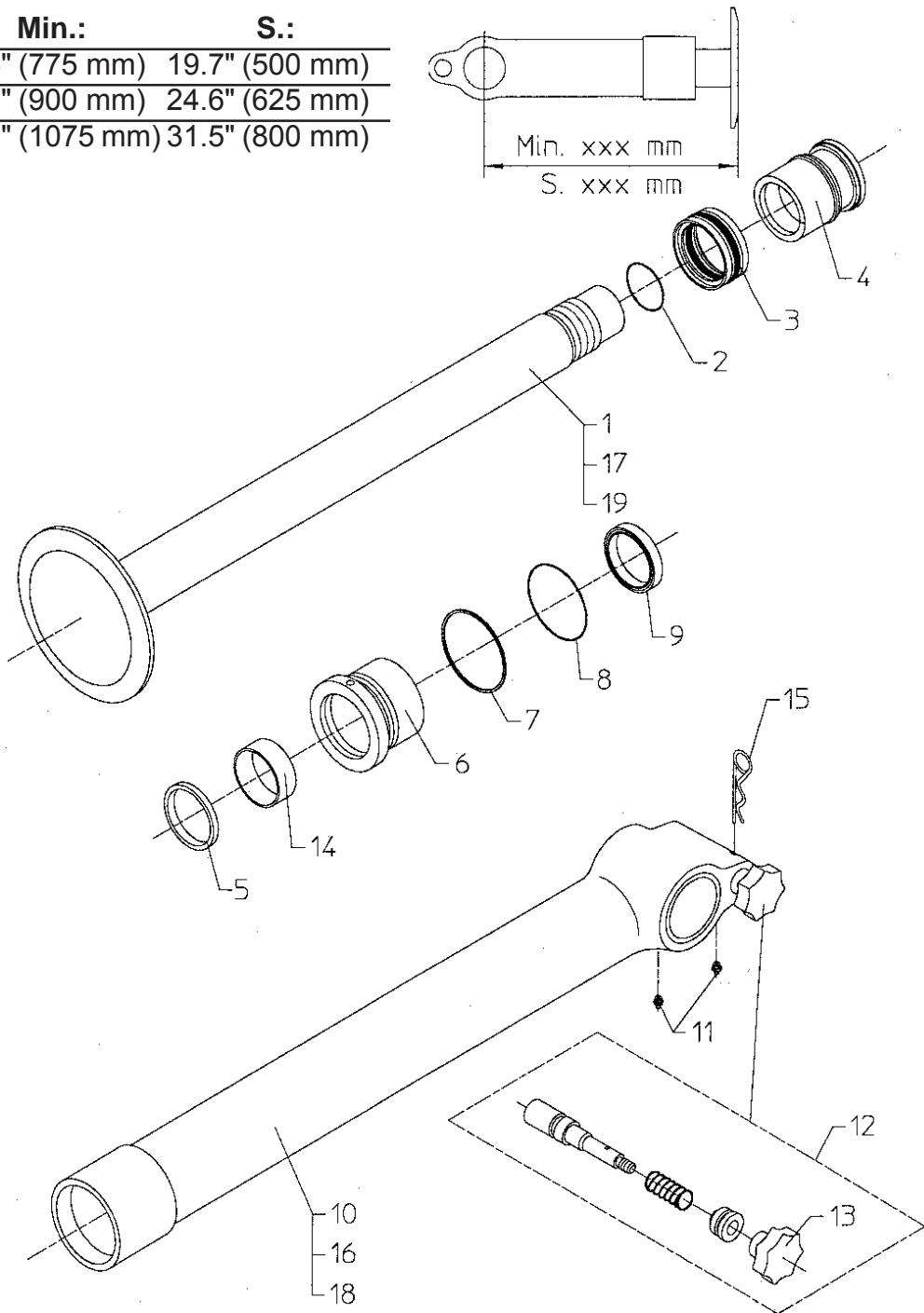
**STABILIZER CYLINDER, C80-XXX, TYPE R**

68 93 070	SEAL KIT (INCL. 2,3,5,7-9,14)	1
62 44 660	STABILIZER CYL, C80-625	1
62 46 290	STABILIZER CYL, C80-800	1
1. 62 41 743	PISTON ROD C80-625	1
2. 20 183	O-RING 54.5 X 3	1
3. 20 785	SEAL 80 X 66 X 22.5	1
4. 62 41 763	PISTON	1
5. 20 518	SCRAPER GA 63X75X7/10	1
6. 61 71 153	GUIDE	1
7. 20 710	BACK RING 84.5 X 3.0	1
8. 20 190	O-RING 84.5 X 3	1

**PARTS-30**

9. 20 687	SEAL 63X73X13	1
10. 61 77 472	CYLINDER C80-625	1
11. 31 318	LUBRICATOR 1/8" RG LIGE	1
12. 61 77 834	LOCK PIN	1
13. 48 446	KNOB	1
14. 21 911	BEARING 68/63 X 25	1
15. 33 382	LOCK SPRING ø4	1
16. 62 46 272	CYLINDER, DR C80-800	1
17. 62 44 373	PISTON ROD, C80-800	1
18. 62 47 142	CYLINDER C80-500	1
19. 62 44 353	PISTON ROD C80-500	1

TYPE	Min.:	S.:
C80-500	30.5" (775 mm)	19.7" (500 mm)
C80-625	35.4" (900 mm)	24.6" (625 mm)
C80-800	42.3" (1075 mm)	31.5" (800 mm)



**BEAM CYLINDER-C32-120**

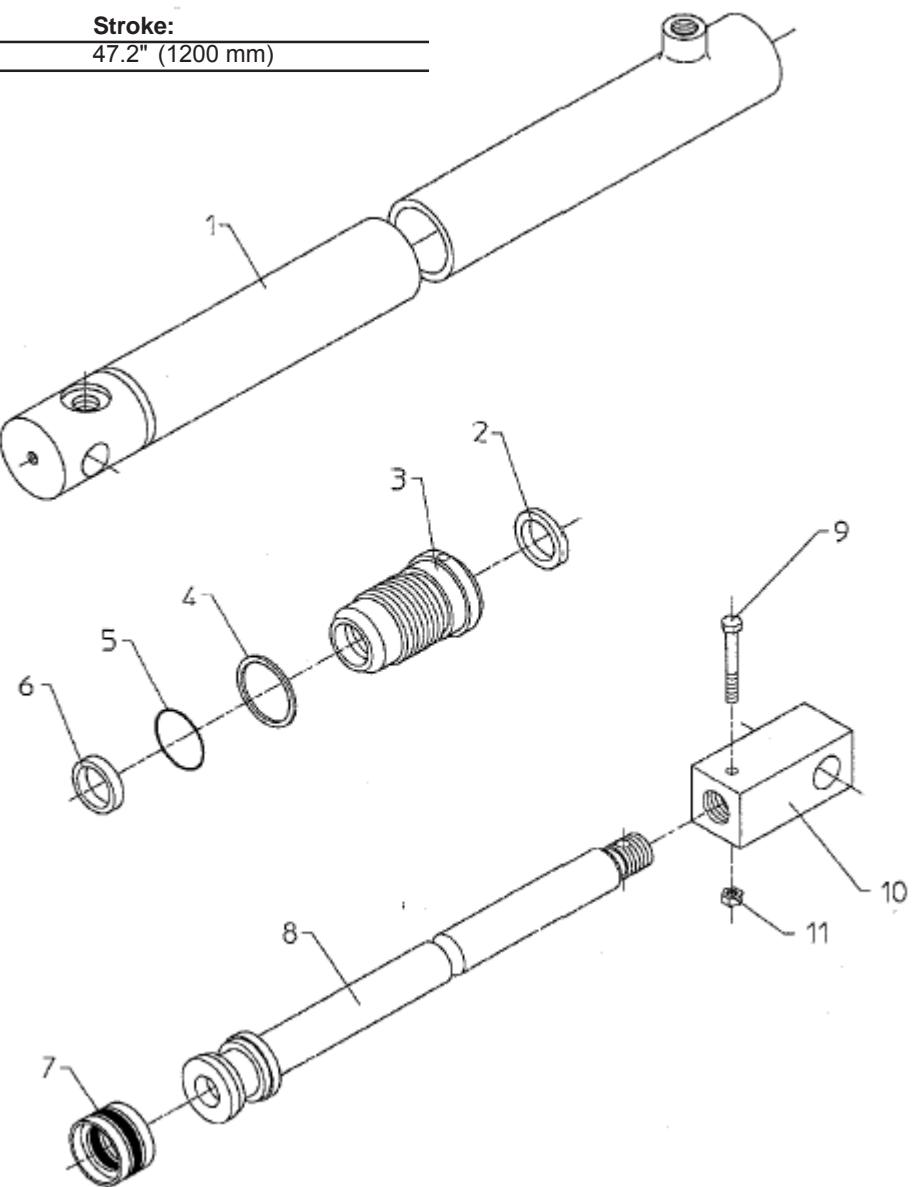
61 34 050	EXT CYL, STAB BEAM	1
68 92 290	SEAL KIT (INCL. 2,4-7)	1
1. 60 42 983	CYLINDER	1
2. 20 503	SCRAPER	1
3. 60 43 034	GUIDE	1
4. 20 880	BACK RING 30 X 35	1
5. 20 176	O-RING 29.2 X 3	1
6. 20 681	SEAL 20 X 26 X 5.5	1
7. 20 797	SEAL 32 X 22 X 12.5	1
8. 60 42 954	PISTON ROD	1
9. 30 103	STEEL BOLT M5 X 40	1
10. 60 43 024	PISTON-ROD HEAD	1
11. 30 853	NUT M5	1

**Minimum:**

54.7" (1390 mm)

**Stroke:**

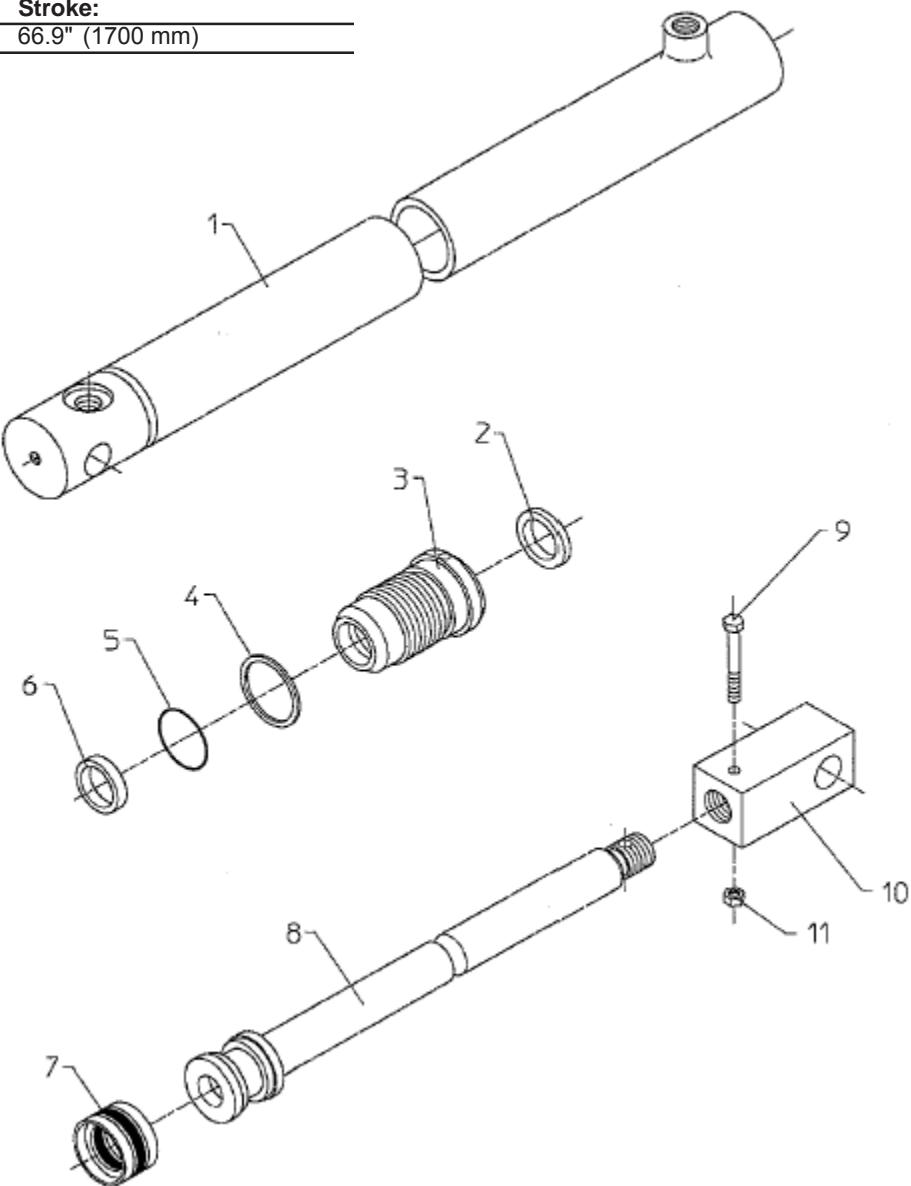
47.2" (1200 mm)



**BEAM CYLINDER-C32-170**

61 33 840	EXT CYL, STAB BEAM	1
68 92 290	SEAL KIT (INCL. 2,4-7)	1
1. 61 33 873	CYLINDER	1
2. 20 503	SCRAPER	1
3. 60 43 034	GUIDE	1
4. 20 880	BACK RING 30 X 35	1
5. 20 176	O-RING 29.2 X 3	1
6. 20 681	SEAL 20 X 26 X 5.5	1
7. 20 797	SEAL 32 X 22 X 12.5	1
8. 61 33 854	PISTON ROD	1
9. 30 103	STEEL BOLT M5 X 40	1
10. 60 43 024	PISTON-ROD HEAD	1
11. 30 853	NUT M5	1

**Minimum:**  
74.4" (1890 mm)      **Stroke:**  
66.9" (1700 mm)

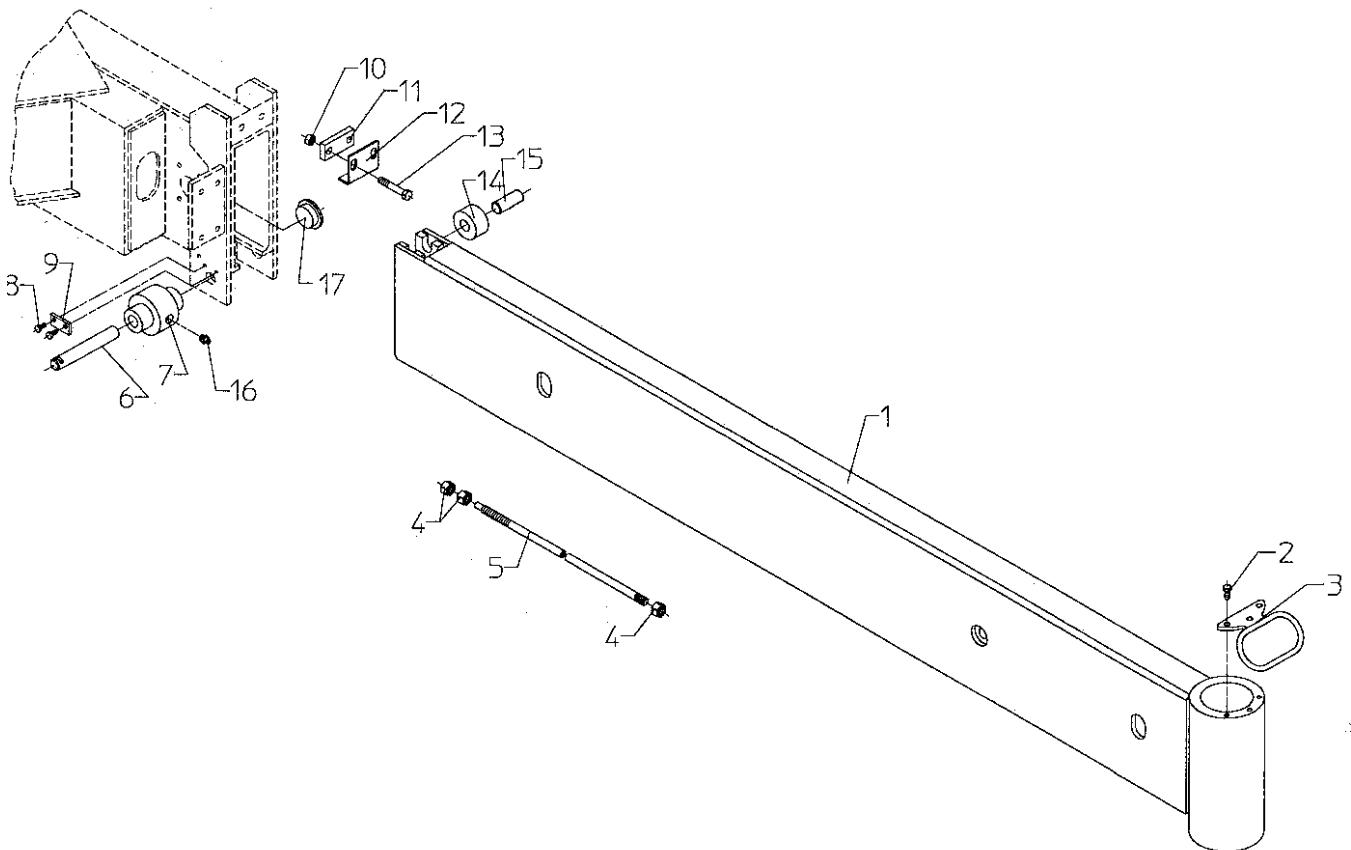


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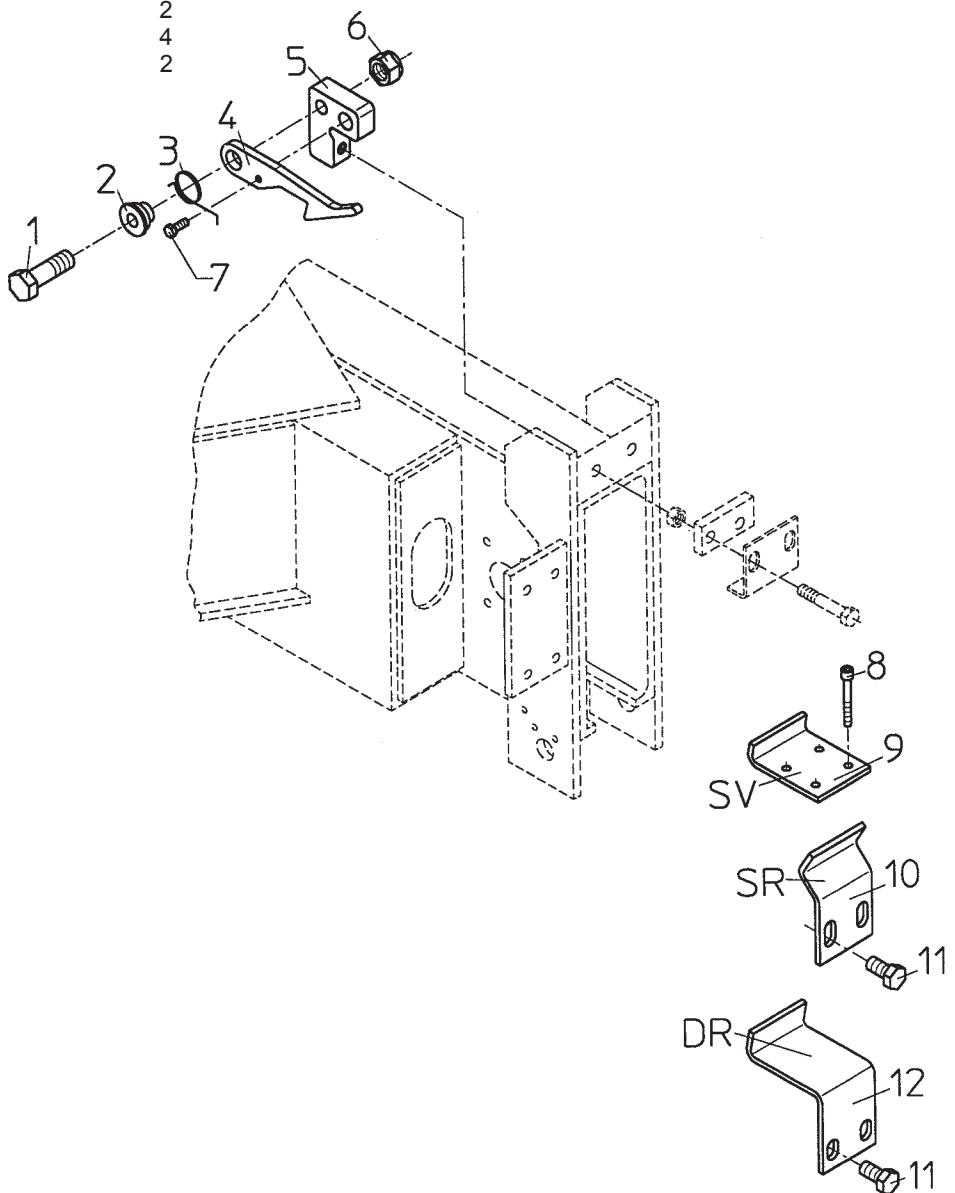
PARTS-33

**STABILIZER BEAM-TYPE SV**

1. 61 79 343	BEAM-SGLEXT	1	9. 58 81 914	LOCK PLATE	1
2. 30 131	SET SCR M8X16	3	10. 30 888	LOCK NUT M10	2
3. 62 02 843	LEVER	1	11. 61 71 944	SPACER	1
4. 30 890	LOCK NUT M12	3	12. 61 71 954	SPACER	1
5. 61 71 004	STOP	1	13. 30 160	STEEL BOLT M10X55	2
6. 61 70 974	PIN	1	14. 64 053	GUIDE ROLLER	1
7. 63 959	GUIDE ROLLER	1	15. 61 70 964	PIN	1
8. 30 111	SET SCR M6X12	2	16. 31 324	ZERK 1/4UNF	1
			17. 63 809	GUIDE	1



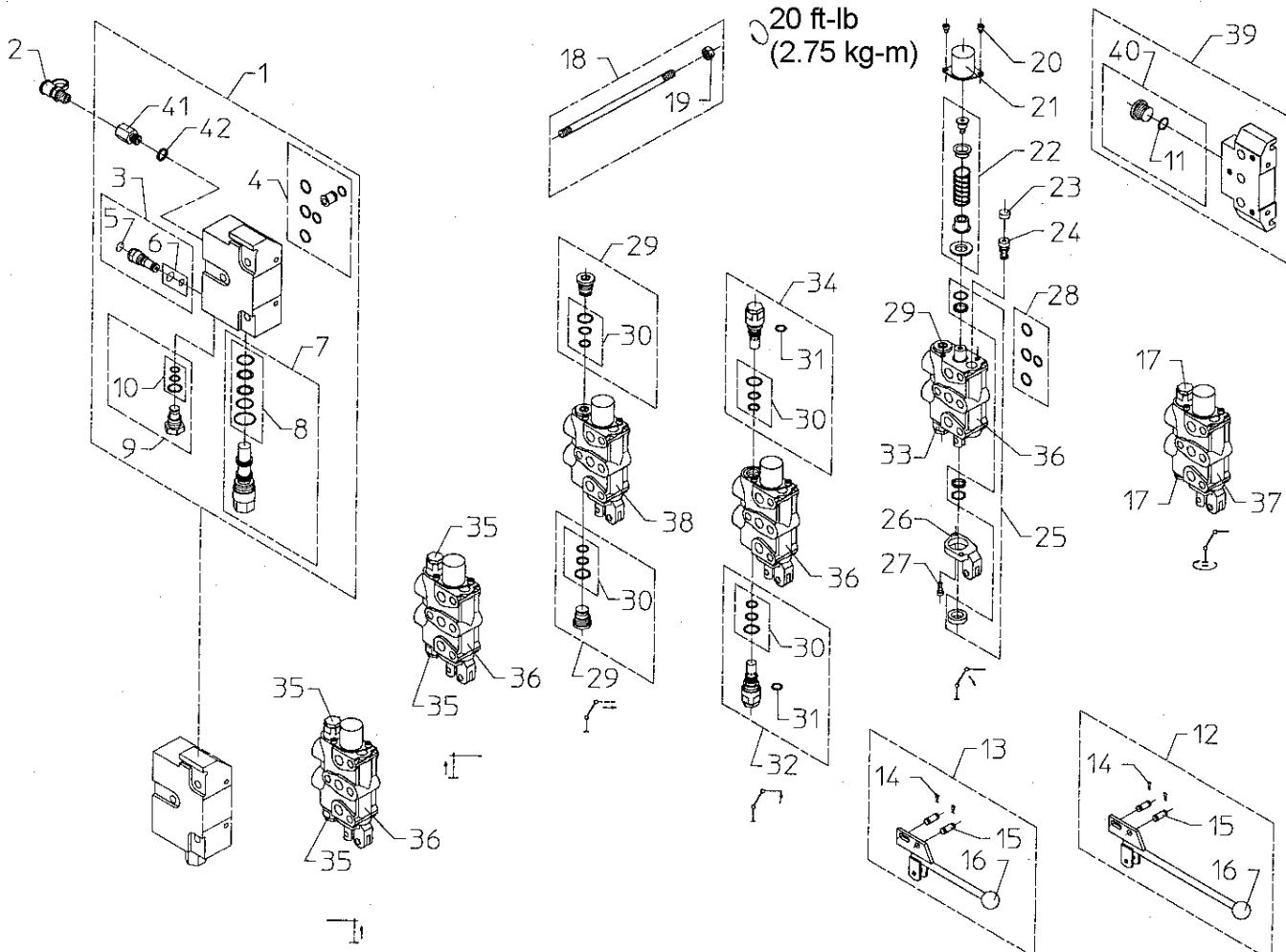
1.	30 181	SET SCR M12X50	2
2.	62 45 264	BUSHING	2
3.	33 473	SPRING	2
4.	62 45 244	HOOK	2
5.	61 79 334	BRACKET	2
6.	30 890	LOCK NUT M12	2
7.	30 113	SET SCR M6X20	2
8.	30 457	SCREW MC6X50	4
9.	62 45 654	LOCK PLATE	2
10.	62 46 084	FITTINGS	2
11.	30 176	SET SCR M12X25	4
12.	61 79 083	LOCK PLATE	2



**VALVE GROUP RS210**

66 48 430 VALVE BLOCK-6 SECTION  
 1. 59 529 INLET SECTION  
 2. 59 840 QUICK-RELEASE CPLG M  
 3. 59 242 RELIEF VALVE  
 4. 61 782 SEAL KIT  
 5. 61 786 WASHER  
 6. 59 236 SEAL KIT  
 7. 61 783 FLOW CONTROL VALVE  
 8. 61 774 SEAL KIT  
 9. 61 780 PLUG  
 10. 61 781 SEAL KIT  
 11. 20 129 O-RING  
 12. 66 31 280 CONTROL LEVER-LONG  
 13. 66 31 270 CONTROL LEVER-SHORT  
 14. 61 320 LOCK-PIN  
 15. 61 364 PIN  
 16. 64 262 BALL Ø32X10MM  
 17. 61 476 RELIEF & ANTI-CAV VALVE 150BAR  
 18. 59 585 KIT-STAY BOLT-6 SECT 334MM  
 19. 30 888 LOCK NUT M10

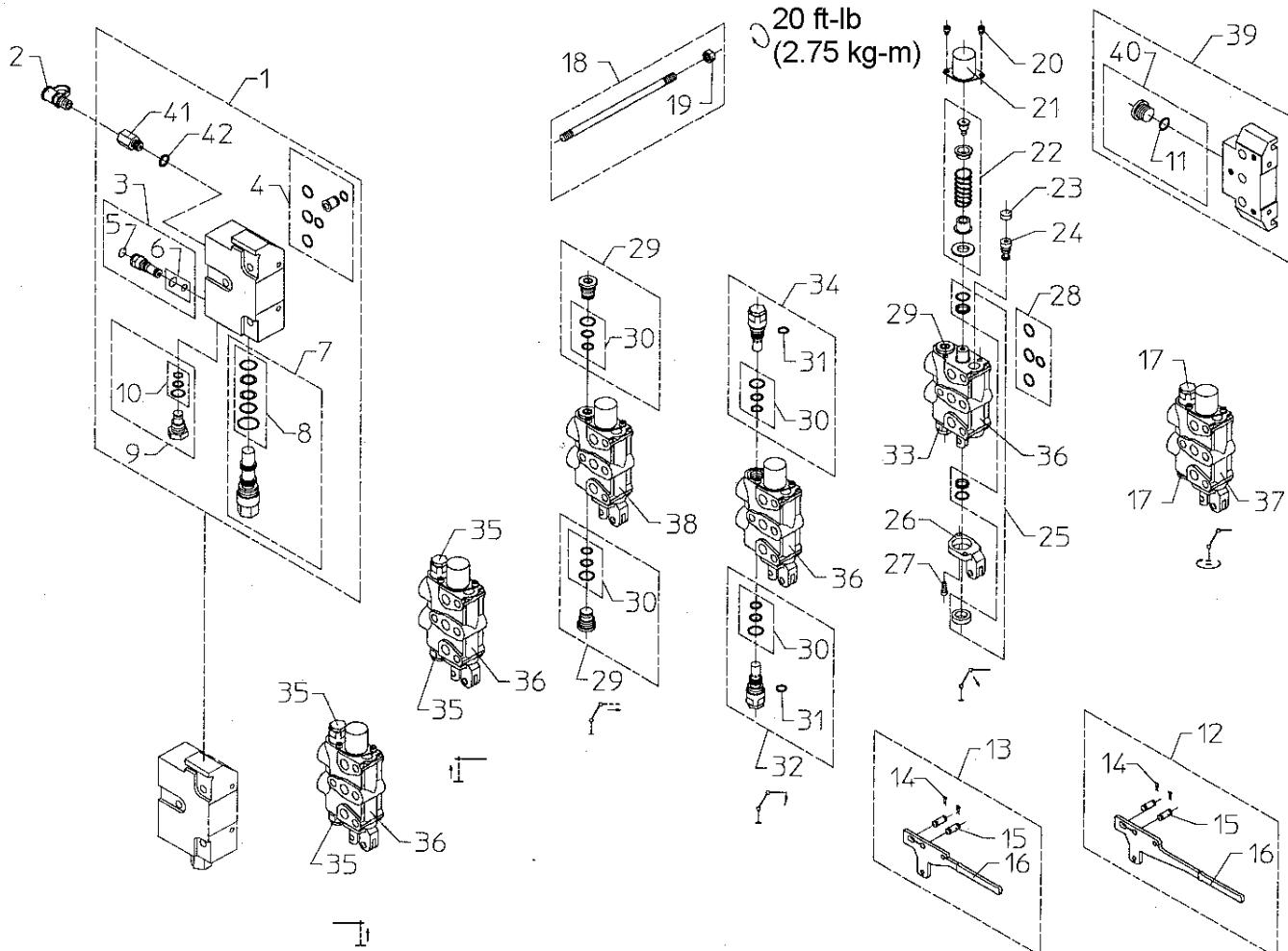
1	20.	31 596	SCREW MC5X6
	21.	61 353	COVER
	22.	61 482	SPRING KIT
	23.	61 688	PLUG
	24.	61 480	CHECK VALVE
	25.	61 365	SEAL KIT
	26.	61 362	BRACKET-LEVER
	27.	30 420	SCREW MC5X14
	28.	61 490	SEAL KIT
	29.	61 479	PLUG
	30.	61 493	SEAL KIT
	31.	20 121	O-RING 13.3X2.4
	32.	61 670	RELIEF & ANTI-CAV VALVE 175BAR
	33.	61 520	RELIEF & ANTI-CAV VALVE 75BAR
	34.	61 771	PORT RELIEF VALVE-275BAR
	35.	61 467	PORT RELIEF VALVE-150BAR
	36.	59 141	CONTROL VALVE-1H
	37.	59 142	CONTROL VALVE-1M
	38.	59 143	CONTROL VALVE-4H
	39.	61 426	OUTLET SECTION
	40.	61 366	PLUG 1/2"
	41.	25 859	SOCKET NV 18
	42.	21 102	SEAL WASHER Ø14 X 18.7 X 1.5

**FROM SERIAL NO. 340480 THROUGH 340886**

**VALVE GROUP RS210**

1. 66 48 430 VALVE BLOCK-6 SECTION  
 1. 59 529 INLET SECTION  
 2. 59 840 QUICK-RELEASE CPLG M  
 3. 59 242 RELIEF VALVE  
 4. 61 782 SEAL KIT  
 5. 61 786 WASHER  
 6. 59 236 SEAL KIT  
 7. 61 783 FLOW CONTROL VALVE  
 8. 61 774 SEAL KIT  
 9. 61 780 PLUG  
 10. 61 781 SEAL KIT  
 11. 20 129 O-RING  
 12. 68 82 770 CONTROL LEVER-LONG  
 13. 68 82 760 CONTROL LEVER-SHORT  
 14. 61 320 LOCK-PIN  
 15. 61 364 PIN  
 16. 48 406 KNOB  
 17. 61 476 RELIEF & ANTI-CAV VALVE 150BAR  
 18. 59 585 KIT-STAYBOLT-6 SECT 334MM  
 19. 30 888 LOCK NUT M10

1	20.	31 596	SCREW MC5X6
	21.	61 353	COVER
	22.	61 482	SPRING KIT
	23.	61 688	PLUG
	24.	61 480	CHECK VALVE
	25.	61 365	SEAL KIT
	26.	61 362	BRACKET-LEVER
	27.	30 420	SCREW MC5X14
	28.	61 490	SEAL KIT
	29.	61 479	PLUG
	30.	61 493	SEAL KIT
	31.	20 121	O-RING 13.3X2.4
	32.	61 670	RELIEF & ANTI-CAV VALVE 175BAR
	33.	61 520	RELIEF & ANTI-CAV VALVE 75BAR
	34.	61 771	PORT RELIEF VALVE-275BAR
	35.	61 467	PORT RELIEF VALVE-150BAR
	36.	59 141	CONTROL VALVE-1H
	37.	59 142	CONTROL VALVE-1M
	38.	59 143	CONTROL VALVE-4H
	39.	61 426	OUTLET SECTION
	40.	61 366	PLUG 1/2"
	41.	25 859	SOCKET NV 18
	42.	21 102	SEAL WASHER ø14 X 18.7 X 1.5

**FROM SERIAL NO. 340887 AND UP**

12/89: 505 05 020: 20020909

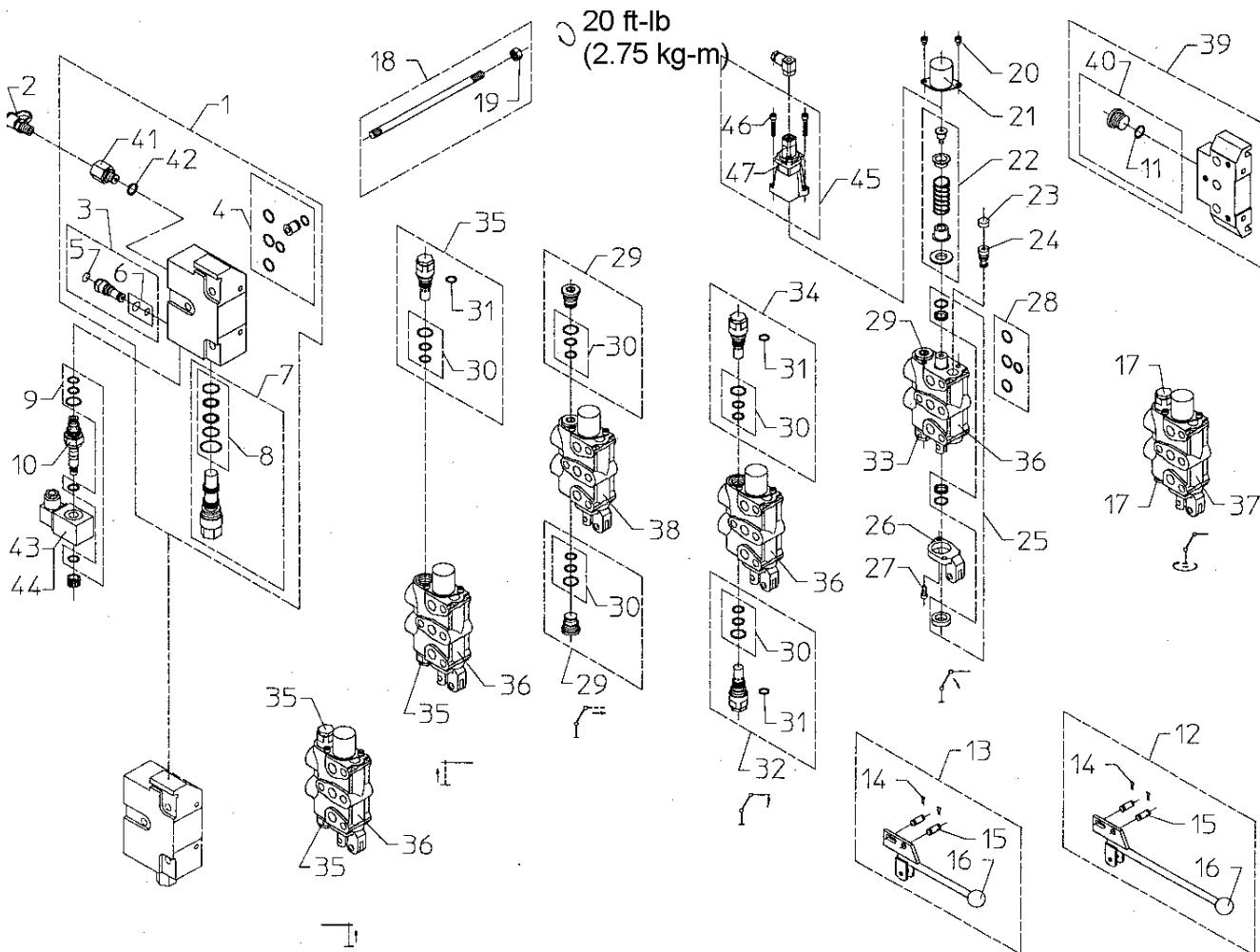
**VALVE GROUP, RS210-CE**

1.	59 529	INLET SECTION
2.	59 840	QUICK-RELEASE CPLG M
3.	59 242	RELIEFVALVE
4.	61 782	SEAL KIT
5.	61 786	WASHER
6.	59 236	SEAL KIT
7.	61 783	FLOW-CONTROL VALVE
8.	61 774	SEAL KIT
9.	61 779	SEALKIT
10.	59 642	MAGNETIC CARTRIDGE
11.	20 129	O-RING 17.3 X 2.4
12.	66 31 280	CONTROL LEVER, LONG
13.	66 31 270	CONTROL LEVER, SHORT
14.	61 320	LOCK FOR PIN
15.	61 634	PIN
16.	64 262	BALL ø32 X 10 MM
17.	61 476	RELIEF & ANTI-CAV VALVE, 150 BAR
18.	59 585	KIT OF STAY BOLTS, 6SECT, 334 MM
19.	30 888	LOCK NUT M10
20.	31 596	SCREW MC 5 X 6
21.	61 353	COVER
22.	61 482	SPRING KIT

**PARTS-37**

1.	66 49 140	VALVE BLOCK, 6 SECTION CE	1	23.	61 688	PLUG
2.	61 480	CHECKVALVE	24.	61 480	CHECKVALVE	
3.	61 365	SEAL KIT	25.	61 365	SEAL KIT	
4.	61 362	BRACKET FOR LEVER	26.	61 362	BRACKET FOR LEVER	
5.	30 420	SCREW MC 5 X 14	27.	30 420	SCREW MC 5 X 14	
6.	61 490	SEALKIT	28.	61 490	SEALKIT	
7.	61 479	PLUG	29.	61 479	PLUG	
8.	61 493	SEAL KIT	30.	61 493	SEAL KIT	
9.	20 121	O-RING 13.3 X 2.4	31.	20 121	O-RING 13.3 X 2.4	
10.	61 670	RELIEF & ANTI-CAV VALVE, 175 BAR	32.	61 670	RELIEF & ANTI-CAV VALVE, 175 BAR	
11.	61 520	RELIEF & ANTI-CAV VALVE, 75 BAR	33.	61 520	RELIEF & ANTI-CAV VALVE, 75 BAR	
12.	61 771	PORT-RELIEF VALVE, 275 BAR	34.	61 771	PORT-RELIEF VALVE, 275 BAR	
13.	61 467	PORT-RELIEF VALVE, 150 BAR	35.	61 467	PORT-RELIEF VALVE, 150 BAR	
14.	59 141	CONTROL VALVE, 1K	36.	59 141	CONTROL VALVE, 1K	
15.	59 142	CONTROL VALVE, 1M	37.	59 142	CONTROL VALVE, 1M	
16.	59 143	CONTROL VALVE, 4K	38.	59 143	CONTROL VALVE, 4K	
17.	61 426	OUTLET SECTION	39.	61 426	OUTLET SECTION	
18.	61 366	PLUG 1/2" BSP	40.	61 366	PLUG 1/2" BSP	
19.	25 859	SOCKET NV 18	41.	25 859	SOCKET NV 18	
20.	21 102	SEAL WASHER ø14 X 18.7 X 1.5	42.	21 102	SEAL WASHER ø14 X 18.7 X 1.5	
21.	61 777	SOLENOID 12V	43.	61 777	SOLENOID 12V	
22.	61 778	SOLENOID, 26V	44.	61 778	SOLENOID, 26V	
23.	59 594	SPOOL SENSOR KIT	45.	59 594	SPOOL SENSOR KIT	
24.	30 425	SCREW MC 5 X 30	46.	30 425	SCREW MC 5 X 30	
25.	30 433	SCREW MC 5 X 16	47.	30 433	SCREW MC 5 X 16	

**FROM SERIAL NO. 340480 THROUGH 340886**



12/89: 505 05 021: 20020909

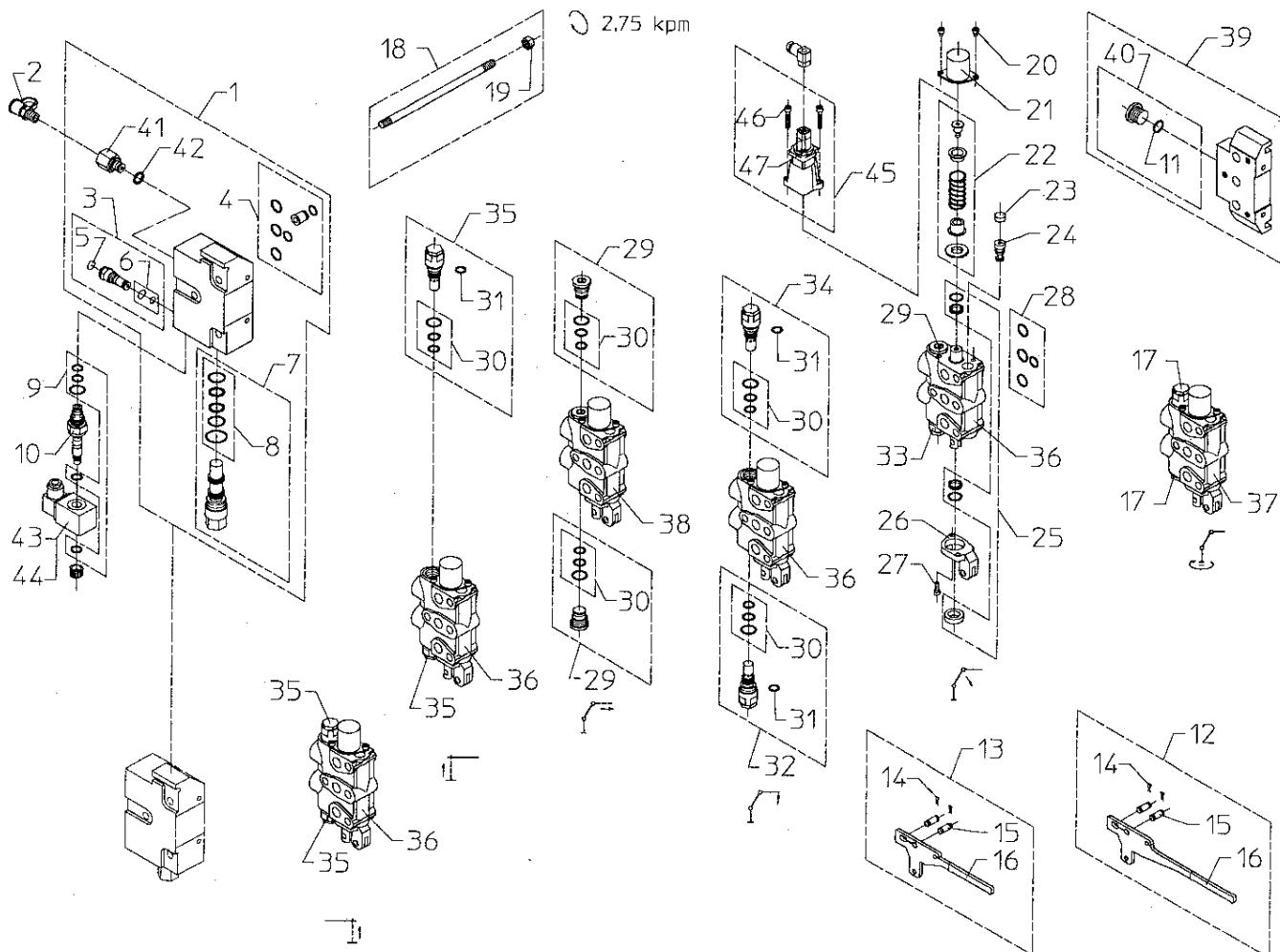
**VALVE GROUP, RS210-CE**

66 49 140	VALVE BLOCK, 6 SECTION CE	1
1. 59 529	INLET SECTION	23.
2. 59 840	QUICK-RELEASE CPLG M	24. 61 480
3. 59 242	RELIEFVALVE	25. 61 365
4. 61 782	SEAL KIT	26. 61 362
5. 61 786	WASHER	27. 30 420
6. 59 236	SEAL KIT	28. 61 490
7. 61 783	FLOW-CONTROL VALVE	29. 61 479
8. 61 774	SEAL KIT	30. 61 493
9. 61 779	SEAL KIT	31. 20 121
10. 59 642	MAGNETIC CARTRIDGE	32. 61 670
11. 20 129	O-RING 17.3 X 2.4	33. 61 520
12. 68 82 770	CONTROL LEVER, LONG	34. 61 771
13. 68 82 760	CONTROL LEVER, SHORT	35. 61 467
14. 61 320	LOCK FOR PIN	36. 59 141
15. 61 634	PIN	37. 59 142
16. 48 406	KNOB	38. 59 143
17. 61 476	RELIEF & ANTI-CAV VALVE, 150 BAR	39. 61 426
18. 59 585	KIT OF STAY BOLTS, 6SECT, 334 MM	40. 61 366
19. 30 888	LOCK NUT M10	41. 25 859
20. 31 596	SCREW MC 5 X 6	42. 21 102
21. 61 353	COVER	43. 61 777
22. 61 482	SPRING KIT	44. 61 778

**PARTS-38**

23. 61 688	PLUG
24. 61 480	CHECKVALVE
25. 61 365	SEAL KIT
26. 61 362	BRACKET FOR LEVER
27. 30 420	SCREW MC 5 X 14
28. 61 490	SEAL KIT
29. 61 479	PLUG
30. 61 493	SEAL KIT
31. 20 121	O-RING 13.3 X 2.4
32. 61 670	RELIEF & ANTI-CAV VALVE, 175 BAR
33. 61 520	RELIEF & ANTI-CAV VALVE, 75 BAR
34. 61 771	PORT-RELIEF VALVE, 275 BAR
35. 61 467	PORT-RELIEF VALVE, 150 BAR
36. 59 141	CONTROL VALVE, 1K
37. 59 142	CONTROL VALVE, 1M
38. 59 143	CONTROL VALVE, 4K
39. 61 426	OUTLET SECTION
40. 61 366	PLUG 1/2" BSP
41. 25 859	SOCKET NV 18
42. 21 102	SEAL WASHER ø14 X 18.7 X 1.5
43. 61 777	SOLENOID 12V
44. 61 778	SOLENOID, 26V
45. 59 594	SPOOL SENSOR KIT
46. 30 425	SCREW MC 5 X 30
47. 30 433	SCREW MC 5 X 16

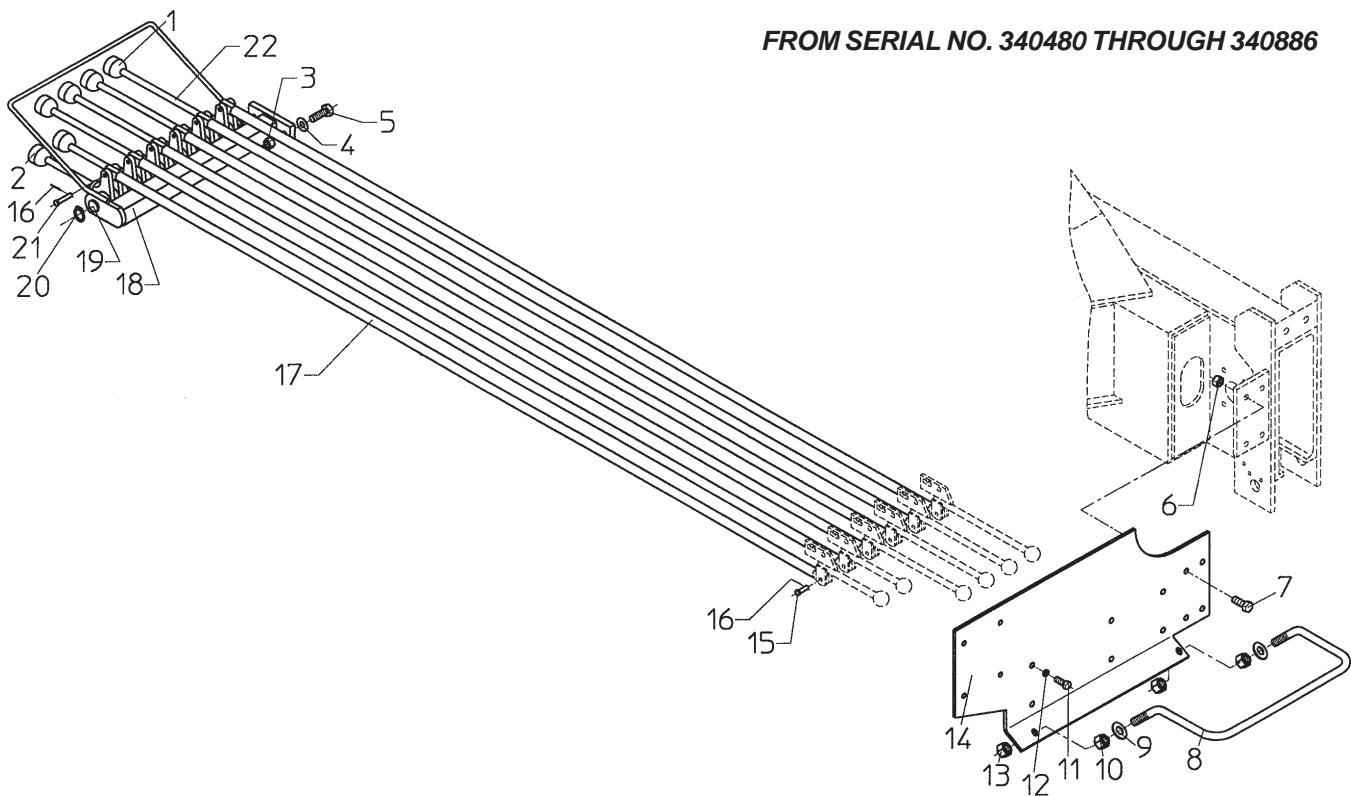
**FROM SERIAL NO. 340887 AND UP**



12/89: 505 05 100: 19990630  
**VALVE BRACKET & DUAL CONTROL**

PARTS-39

1.	64 256	BALL W/BUSHING	6	12.	31 155	SPRING WASHER 8MM	4
2.	66 60 933	CONTROL LEVER-SHORT	2	13.	30 890	LOCK NUT M12	2
3.	30 888	LOCK NUT M10	2	14.	62 16 673	VALVE BRACKET	1
4.	31 172	WASHER 10MM	2	15.	31 271	COTTER BOLT Ø6X20	6
5.	30 156	SET SCR M10X30	2	16.	31 601	SPLIT PIN Ø1.5X20	12
6.	30 886	LOCK NUT M8	4	17.	61 73 944	CONNECTING ROD	6
7.	30 134	SET SCR M8X25	4	18.	61 73 373	BRACKET-DUAL CONTROL	1
8.	62 16 704	CLAMP	1	19.	66 61 034	PIN-LEVER	1
9.	31 173	WASHER 12MM	2	20.	33 107	CIRCLIP 19U	2
10.	30 860	NUT M12	2	21.	31 274	COTTER BOLT Ø6X30	6
11.	30 132	SET SCR M8X20	4	22.	66 60 913	CONTROL LEVER-LONG	4

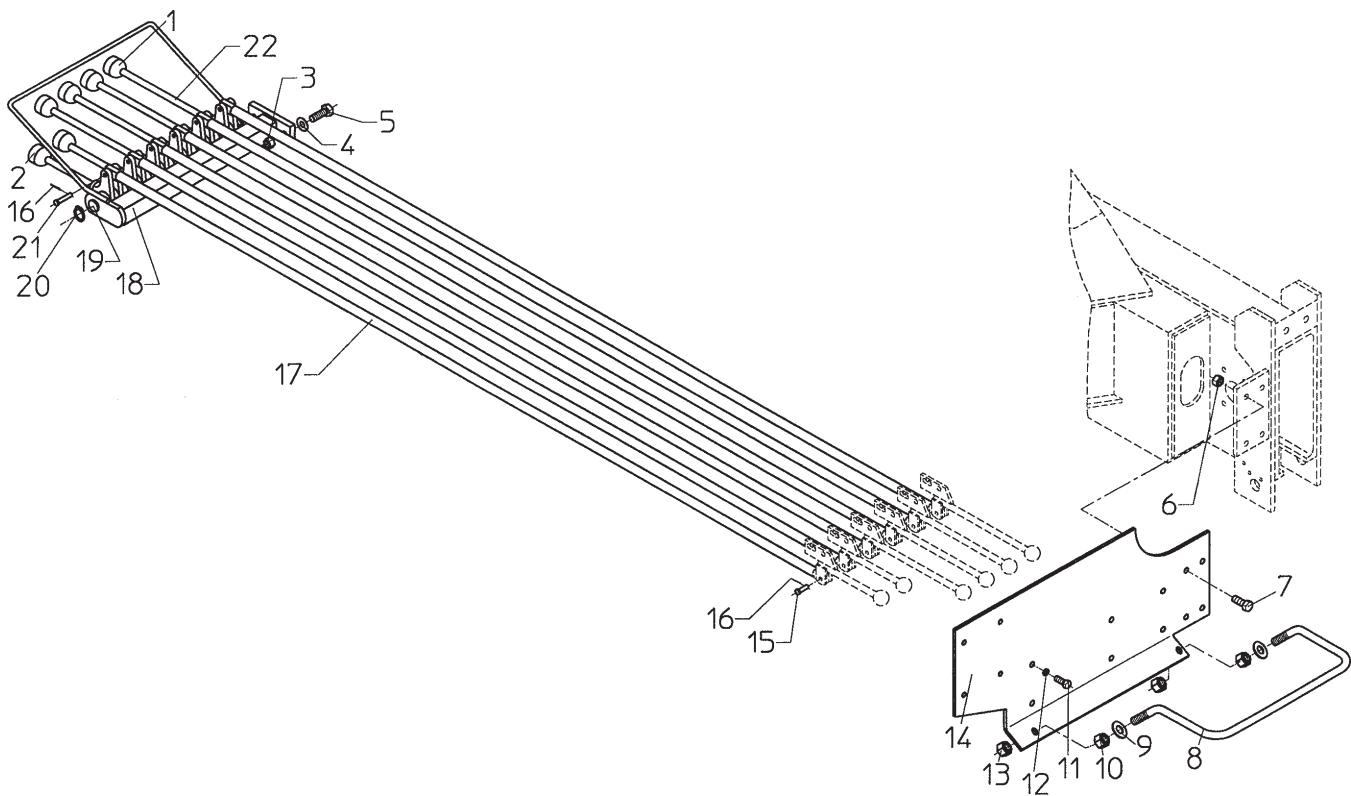


12/89: 505 05 101: 20020909  
**VALVE BRACKET & DUAL CONTROL**

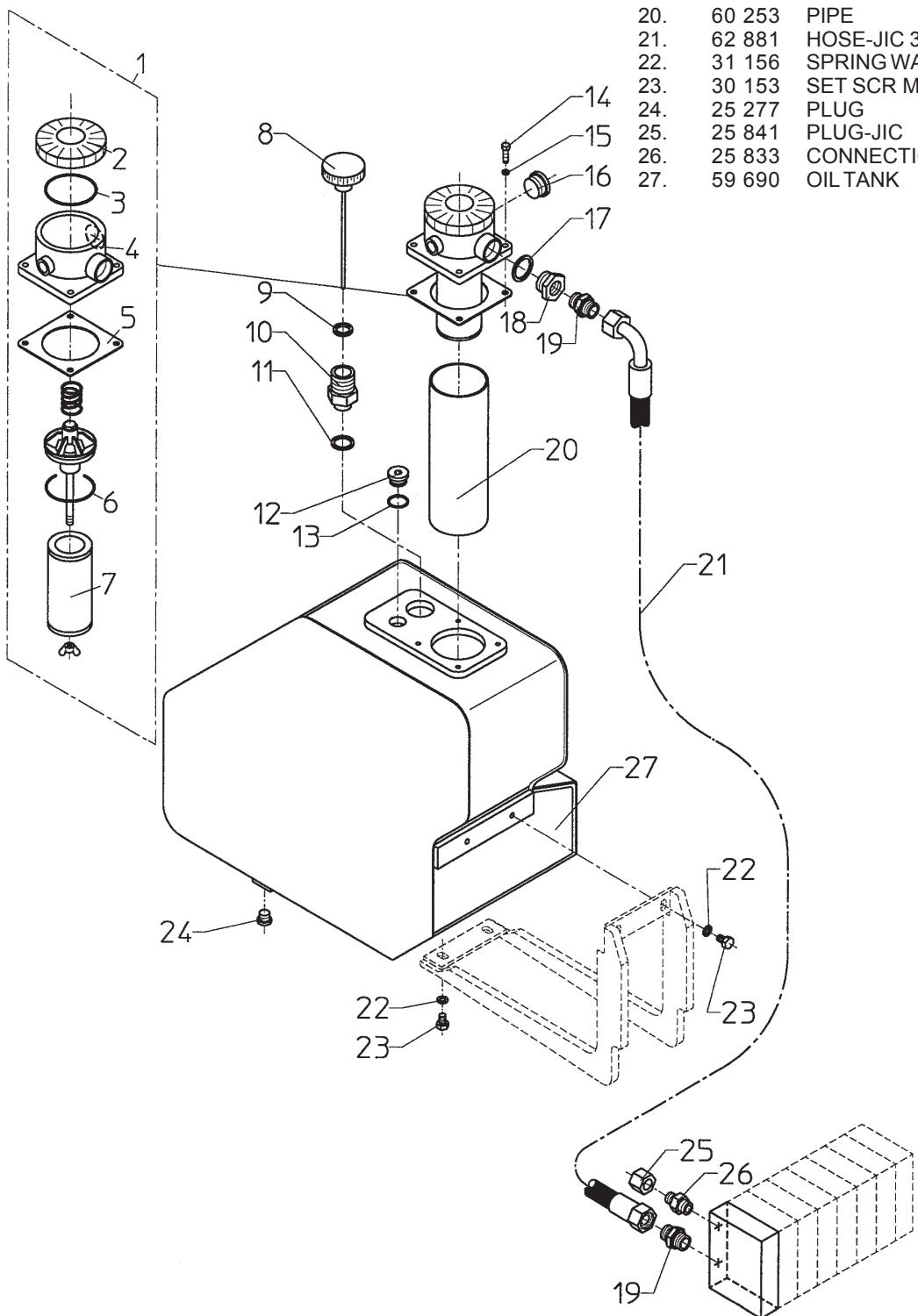
PARTS-40

1.	64 256	BALL W/BUSHING	6	12.	31 155	SPRING WASHER 8MM	4
2.	66 60 933	CONTROL LEVER-SHORT	2	13.	30 890	LOCK NUT M12	2
3.	30 888	LOCK NUT M10	2	14.	62 16 673	VALVE BRACKET	1
4.	31 172	WASHER 10MM	2	15.	31 271	COTTER BOLT Ø6X20	6
5.	30 156	SET SCR M10X30	2	16.	31 601	SPLIT PIN Ø1.5X20	12
6.	30 886	LOCK NUT M8	4	17.	61 47 554	CONNECTING ROD	6
7.	30 134	SET SCR M8X25	4	18.	61 73 373	BRACKET-DUAL CONTROL	1
8.	62 16 704	CLAMP	1	19.	66 61 034	PIN-LEVER	1
9.	31 173	WASHER 12MM	2	20.	33 107	CIRCLIP 19U	2
10.	30 860	NUT M12	2	21.	31 274	COTTER BOLT Ø6X30	6
11.	30 132	SET SCR M8X20	4	22.	66 60 913	CONTROL LEVER-LONG	4

**SERIAL NO. 340887 TO PRESENT**



1.	60 251	RETURN FILTER 1"	1	10.	62 02 624	OIL FILLER NECK	1
2.	60 264	COVER		11.	21 108	SEAL WASHER Ø27X34.93X2.34	1
3.	60 293	O-RING 82.14X3.53		12.	66 59 754	PLUG	1
4.	60 267	FILTER CARTRIDGE		13.	20 118	O-RING 26.7X1.78	1
5.	60 261	SEAL		14.	30 134	SET SCR M8X25	4
6.	20 188	O-RING 74.5X3		15.	31 155	SPRING WASHER 8MM	4
7.	60 258	FILTER CARTRIDGE	1	16.	26 321	PLUG	1
8.	59 301	FILLER PLUG		17.	21 112	SEAL WASHER Ø33.76X42.8X2.34	1
9.	20 817	RUBBER SEAL Ø22X30X4	1	18.	11 51 334	REDUCING NIPPLE 3/4"X1"	1
				19.	25 834	SCREW-IN CONNECTION-JIC	2
				20.	60 253	PIPE	1
				21.	62 881	HOSE-JIC 3/4X1100 O/O	1
				22.	31 156	SPRING WASHER 10MM	4
				23.	30 153	SET SCR M10X16	4
				24.	25 277	PLUG	1
				25.	25 841	PLUG-JIC	1
				26.	25 833	CONNECTION-JIC	1
				27.	59 690	OIL TANK	1

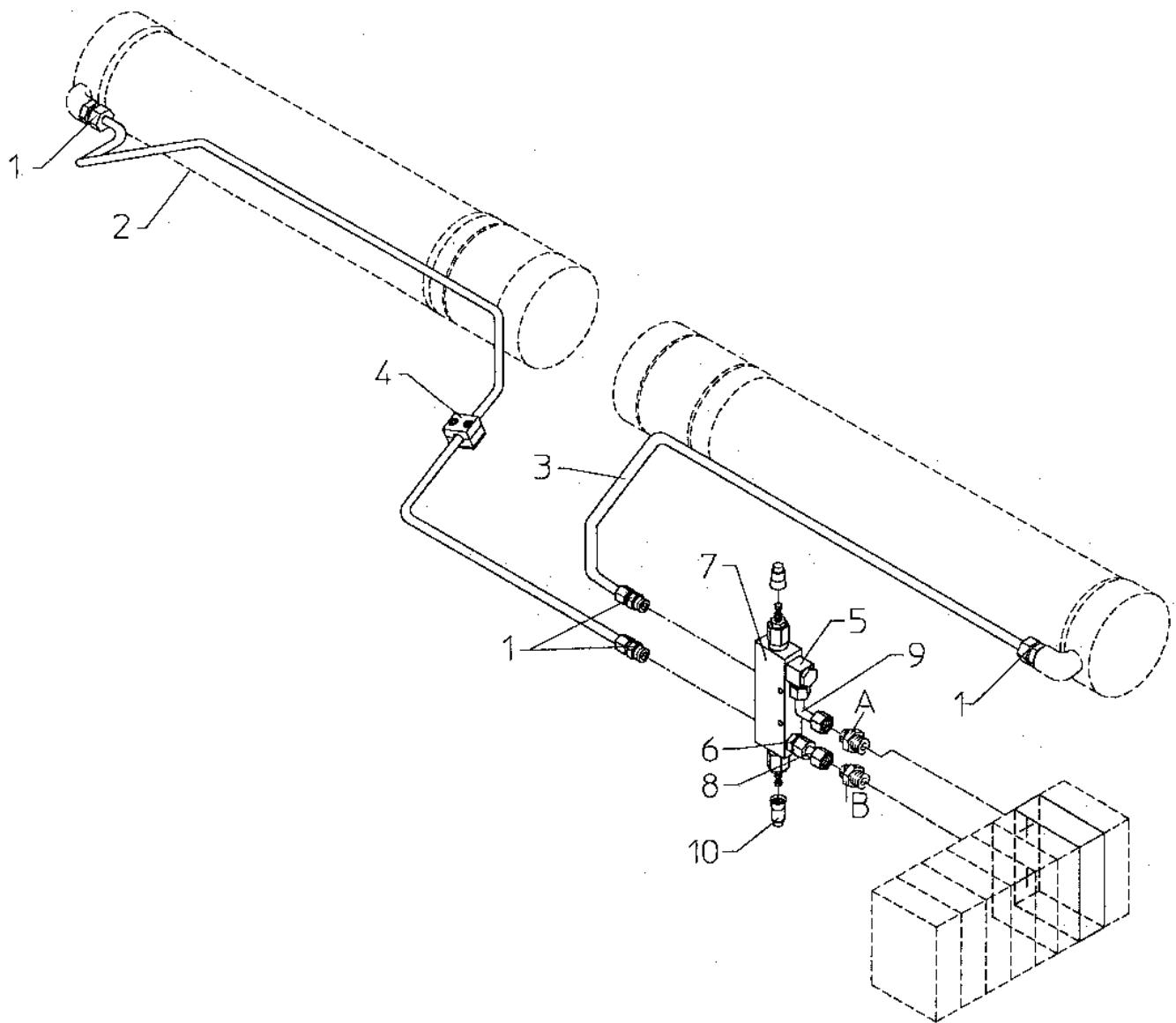


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PARTS-42

**HYDRAULIC SYSTEM-ROTATION CYLINDER**

1.	25 108	CONNECTION	4
2.	61 68 184	PIPE	1
3.	61 68 194	PIPE	1
4.	31 801	CLAMP 12MM	1
5.	25 130	BANJO CONN P-RSWV 12LR	1
6.	25 127	CONNECTION P-GEV 12 LR	1
7.	59 977	LOAD-HOLDING VALVE	1
8.	61 77 684	PIPE	1
9.	61 77 704	PIPE	1
10.	59 048	DUST CAP	2



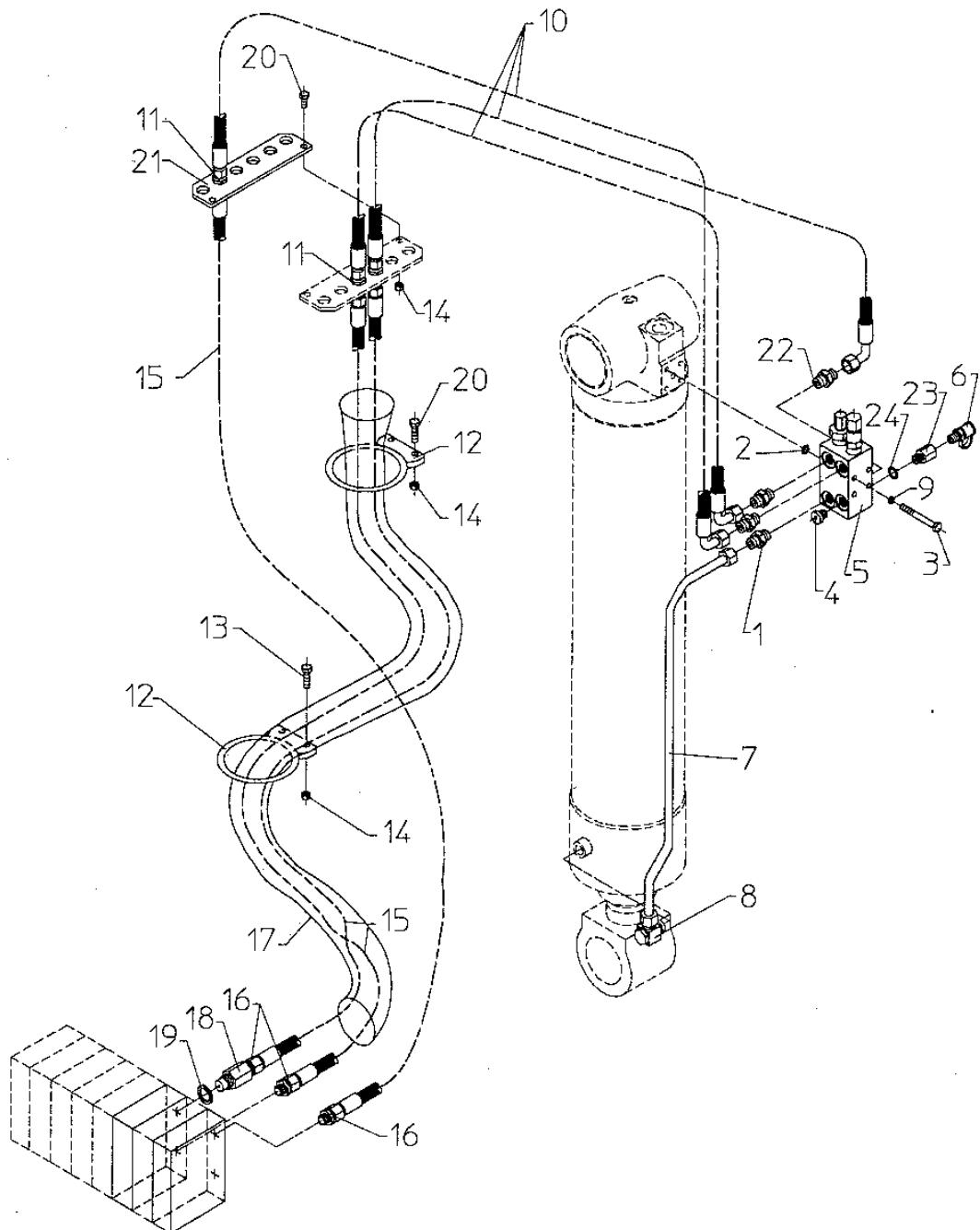
12/89: 505 05 250: 20020909

**HYDRAULIC SYSTEM-INNER BOOM CYLINDER**

1.	25 127	CONNECTION	1
2.	20 138	O-RING 10.77X2.62	
3.	30 142	STEEL BOLT M8X70	4
4.	25 197	PLUG	1
5.	59 979	LOAD HOLDING VALVE	1
6.	59 840	QUICK RLS CPLG M	1
7.	61 76 214	PIPE	1
8.	25 130	BANJO CONNECTION	1
9.	31 155	SPRING WASHER 8MM	4
10.	62 858	HOSE-JIC 3/8X1400 V/O	3
11.	25 824	BULKHD CONNECTION-JIC	3

**PARTS-43**

12.	61 73 363	HOSE GUIDE	2
13.	30 135	SET SCR M8X30	2
14.	30 886	LOCK NUT M8	6
15.	62 860	HOSE-JIC 3/8X2200 O/O	3
16.	25 832	CONNECTION-JIC	3
17.	62 598	PROTECTIVE COVER	1
18.	60 295	FLOW CONTROL VALVE	1
19.	21 106	SEAL WASHER Ø21.5X28.7X2.5	1
20.	30 132	SET SCR M8X20	4
21.	62 02 904	HOSE BRACKET	1
22.	25 831	CONNECTION-JIC	3
23.	25 859	SOCKET NV18	1
24.	21 102	SEAL WASHER ø14X18.7X1.5	1

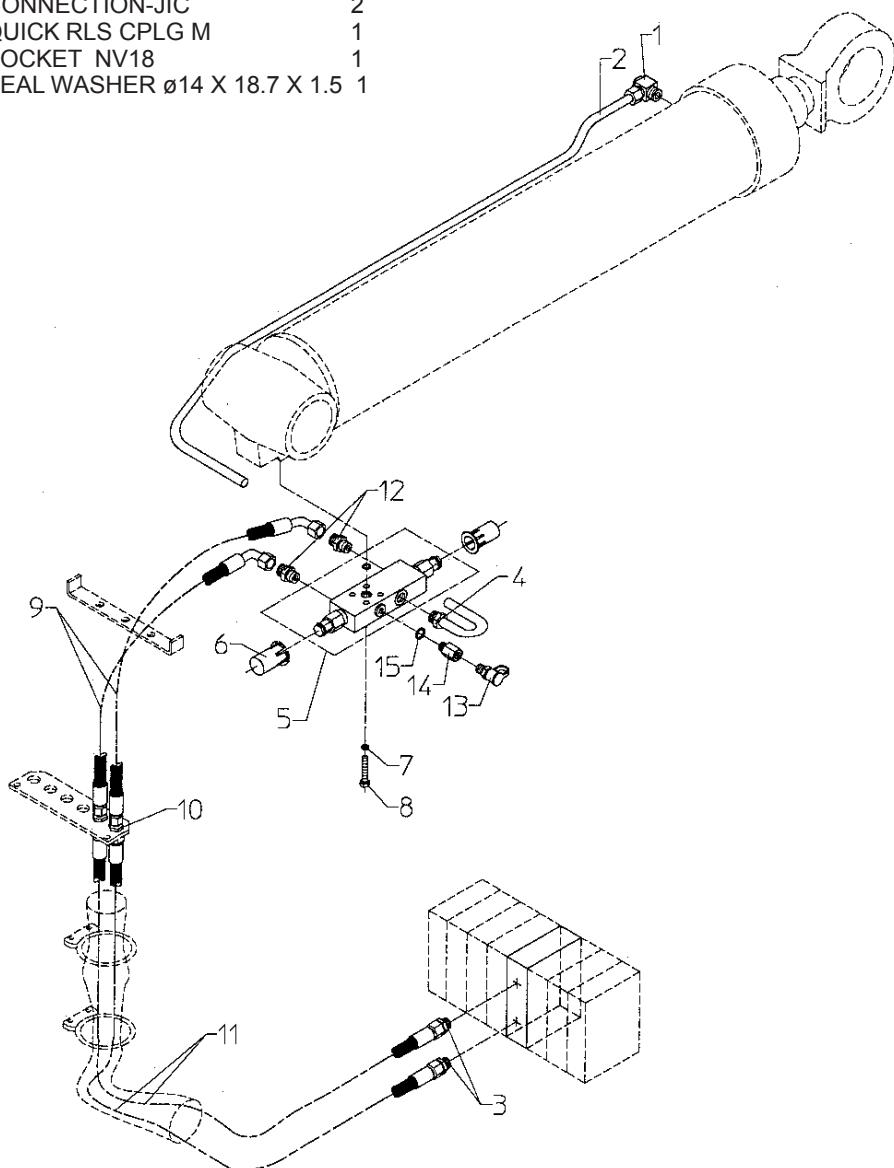


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PARTS-44

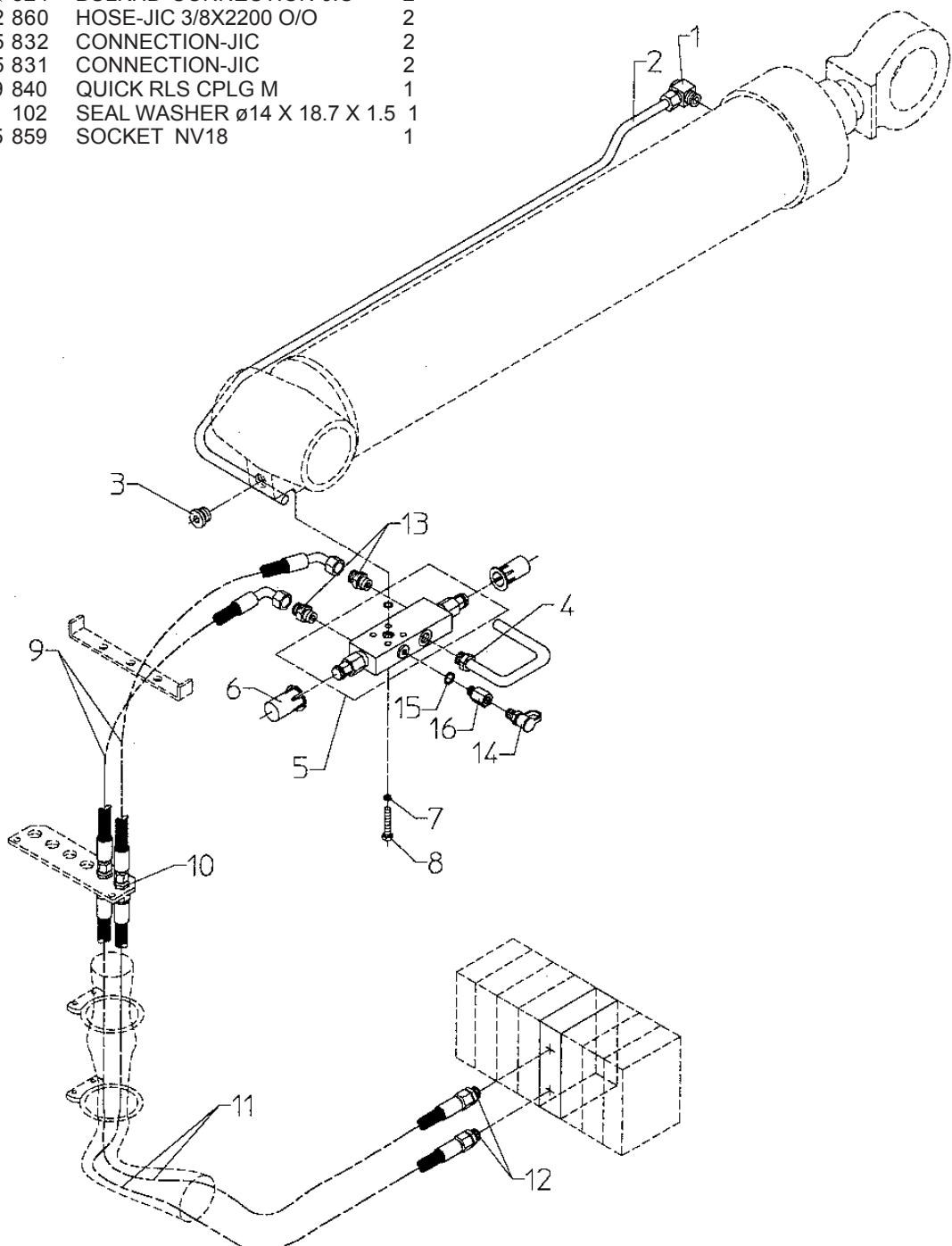
**HYDRAULIC SYSTEM-OUTER BOOM CYLINDER**

- |     |           |                              |   |
|-----|-----------|------------------------------|---|
| 1.  | 25 130    | BANJO CONNECTION             | 1 |
| 2.  | 61 79 634 | PIPE                         | 1 |
| 3.  | 25 832    | CONNECTION-JIC               | 2 |
| 4.  | 25 127    | CONNECTION                   | 1 |
| 5.  | 59 027    | LOAD HOLDING VALVE           | 1 |
| 6.  | 59 966    | COVER                        | 2 |
| 7.  | 31 155    | SPRING WASHER 8MM            | 4 |
| 8.  | 30 138    | SET SCR M8X45                | 4 |
| 9.  | 62 859    | HOSE-JIC 3/8X1700 V/O        | 2 |
| 10. | 25 824    | BULKHD CONNECTION-JIC        | 2 |
| 11. | 62 860    | HOSE-JIC 3/8X2200 O/O        | 2 |
| 12. | 25 831    | CONNECTION-JIC               | 2 |
| 13. | 59 840    | QUICK RLS CPLG M             | 1 |
| 14. | 25 859    | SOCKET NV18                  | 1 |
| 15. | 21 102    | SEAL WASHER ø14 X 18.7 X 1.5 | 1 |



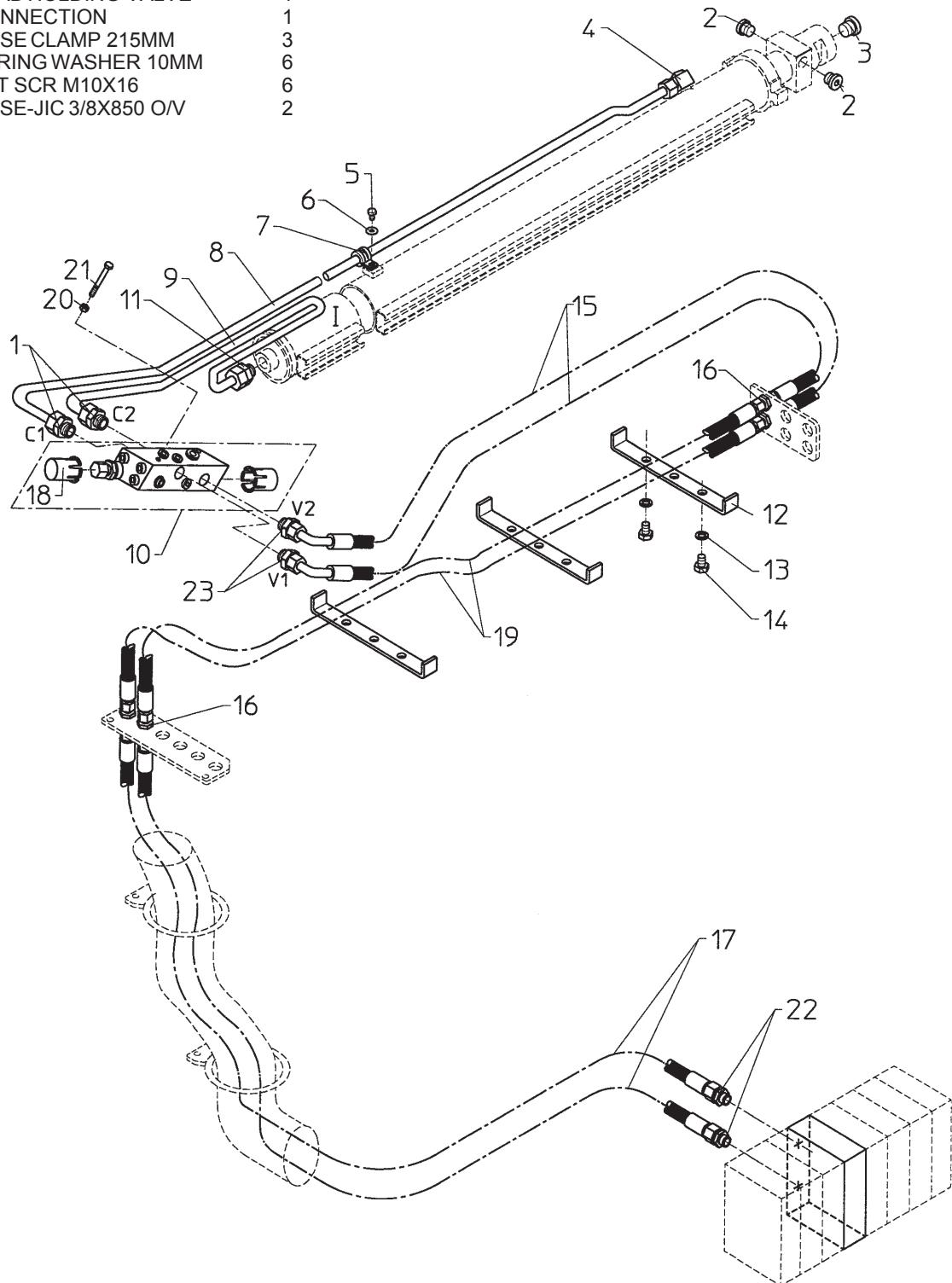
**HYDRAULIC SYSTEM-OUTER CYLINDER (4H)**

1.	25 130	BANJO CONNECTION	1
2.	61 79 804	PIPE	1
3.	25 103	PLUG	1
4.	25 127	CONNECTION	1
5.	59 027	LOAD HOLDING VALVE	1
6.	59 966	COVER	2
7.	31 155	SPRING WASHER 8MM	4
8.	30 138	SET SCR M8X45	4
9.	62 859	HOSE-JIC 3/8X1700 V/O	2
10.	25 824	BULKHD CONNECTION-JIC	2
11.	62 860	HOSE-JIC 3/8X2200 O/O	2
12.	25 832	CONNECTION-JIC	2
13.	25 831	CONNECTION-JIC	2
14.	59 840	QUICK RLS CPLG M	1
15.	21 102	SEAL WASHER ø14 X 18.7 X 1.5	1
16.	25 859	SOCKET NV18	1



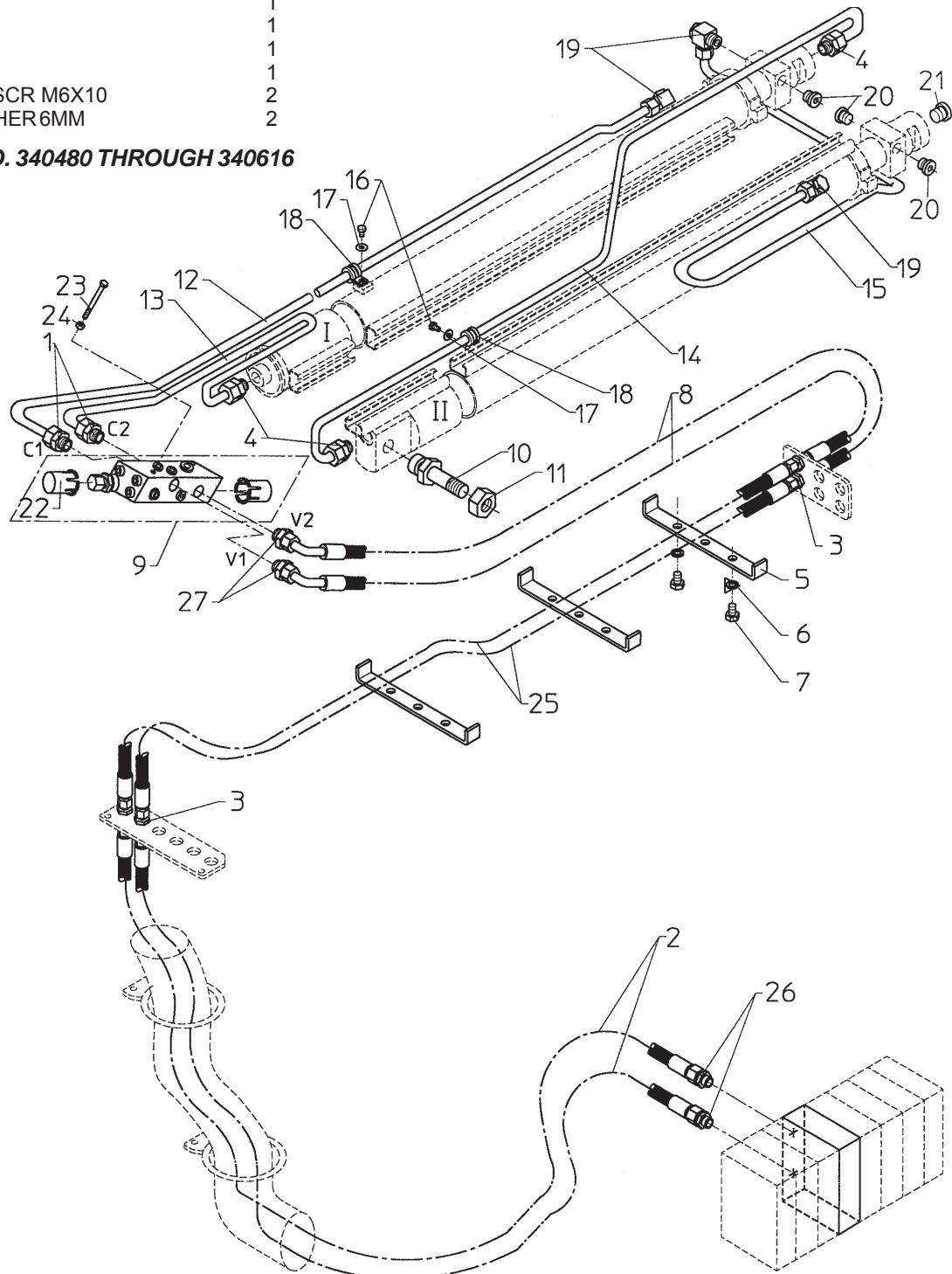
**HYDRAULIC SYSTEM-EXTENSION CYLINDER (1H)**

1.	25 127	CONNECTION	2	16.	25 824	BULKHD CONNECTION-JIC	4
2.	25 277	PLUG	2	17.	62 860	HOSE-JIC 3/8X2200 O/O	1
3.	25 347	PLUG 1/2"	1	18.	59 908	CAP	
4.	25 130	BANJO CONNECTION	1	19.	62 864	HOSE-JIC 3/8X3900 O/O	2
5.	30 110	SET SCR M6X10	1	20.	30 854	NUT M6	2
6.	31 134	WASHER6MM	1	21.	30 199	STEEL BOLT M6X65	2
7.	27 974	CLIP	1	22.	25 832	CONNECTION-JIC	2
8.	62 43 724	PIPE	1	23.	25 831	CONNECTION-JIC	2
9.	62 43 714	PIPE	1				
10.	59 022	LOAD HOLDING VALVE	1				
11.	25 108	CONNECTION	1				
12.	61 41 664	HOSE CLAMP 215MM	3				
13.	31 156	SPRING WASHER 10MM	6				
14.	30 153	SET SCR M10X16	6				
15.	62 879	HOSE-JIC 3/8X850 O/V	2				



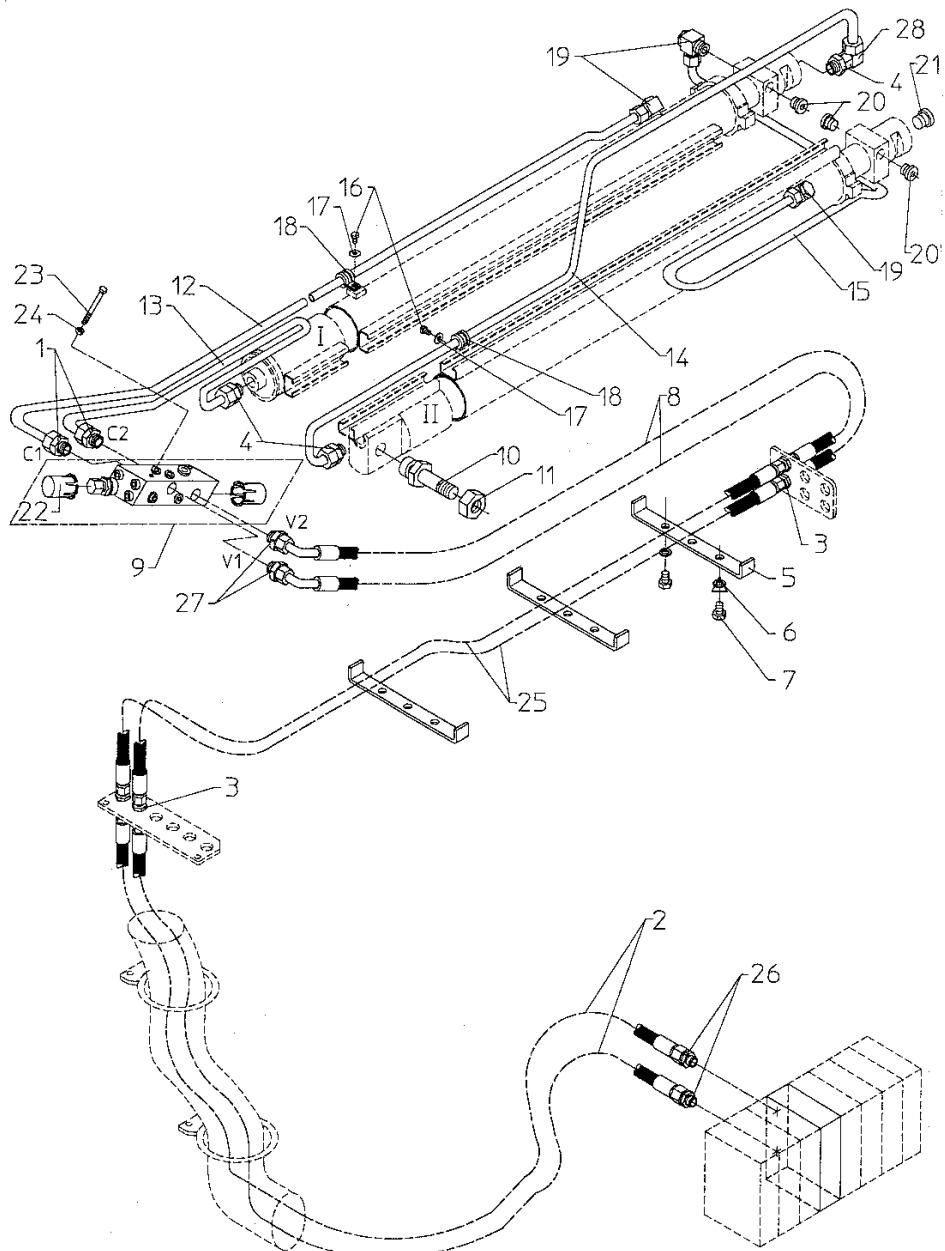
**HYDRAULIC SYSTEM-EXTENSION CYLINDER (2H)**

1.	25 127	CONNECTION	2	18.	27 974	CLIP	2
2.	62 860	HOSE-JIC 3/8X2200 O/O	2	19.	25 130	BANJO CONNECTION	3
3.	25 824	BULKHD CONNECTION-JIC	4	20.	25 277	PLUG	3
4.	25 108	CONNECTION	3	21.	25 347	PLUG 1/2"	1
5.	61 41 664	HOSE CLAMP 215MM	3	22.	59 908	CAP	
6.	31 156	SPRING WASHER 10MM	6	23.	30 199	STEEL BOLT M6X65	2
7.	30 153	SET SCR M10X16	6	24.	30 854	NUT M6	2
8.	62 879	HOSE-JIC 3/8X850 O/V	2	25.	62 864	HOSE-JIC 3/8X3900 O/O	2
9.	59 022	LOAD HOLDING VALVE	1	26.	25 832	CONNECTION-JIC	2
10.	62 45 634	GUIDE SHOE	1	27.	25 831	CONNECTION-JIC	2
11.	30 894	LOCK NUT M20	1				
12.	62 43 724	PIPE	1				
13.	62 43 714	PIPE	1				
14.	62 43 734	PIPE	1				
15.	62 43 744	PIPE	1				
16.	30 110	SET SCR M6X10	2				
17.	31 134	WASHER 6MM	2				

**FROM SERIAL NO. 340480 THROUGH 340616**

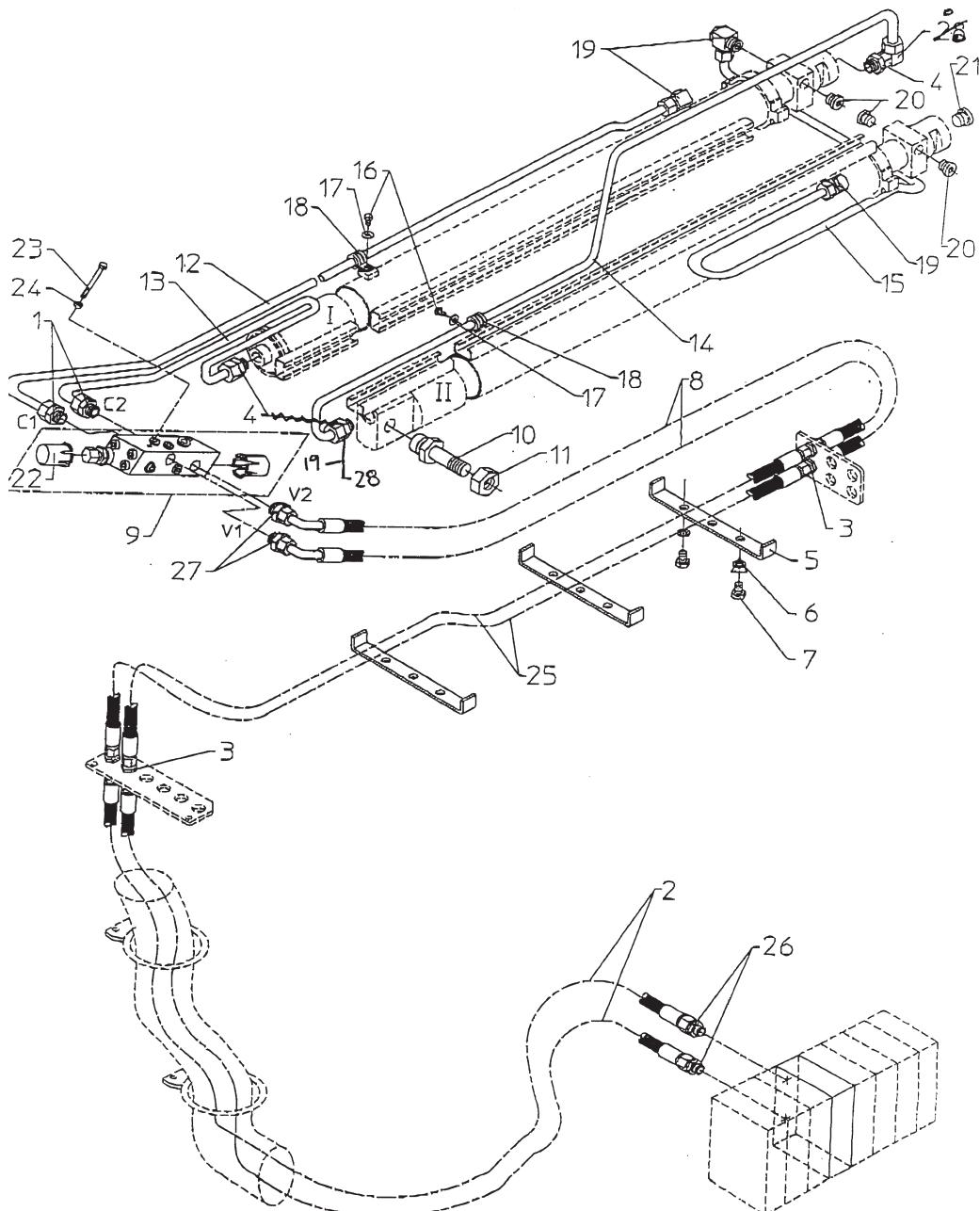
**HYDRAULIC SYSTEM-EXTENSION CYLINDER (2H)**

1.	25 127	CONNECTION	2	18.	27 974	CLIP	2
2.	62 860	HOSE-JIC 3/8X2200 O/O	2	19.	25 130	BANJO CONNECTION	3
3.	25 824	BULKHD CONNECTION-JIC	4	20.	25 277	PLUG	3
4.	25 108	CONNECTION	3	21.	25 347	PLUG 1/2"	1
5.	61 41 664	HOSE CLAMP 215MM	3	22.	59 908	CAP	
6.	31 156	SPRING WASHER 10MM	6	23.	30 199	STEEL BOLT M6X65	2
7.	30 153	SET SCR M10X16	6	24.	30 854	NUT M6	2
8.	62 879	HOSE-JIC 3/8X850 O/V	2	25.	62 864	HOSE-JIC 3/8X3900 O/O	2
9.	59 022	LOAD HOLDING VALVE	1	26.	25 832	CONNECTION-JIC	2
10.	62 45 634	GUIDE SHOE	1	27.	25 831	CONNECTION-JIC	2
11.	30 894	LOCK NUT M20	1	28.	25 242	CONNECTION EWSD 12L	1
12.	62 43 724	PIPE	1				
13.	62 43 714	PIPE	1				
14.	6247644	PIPE (ALSO 25130, 25243)	1				
15.	62 43 744	PIPE	1				
16.	30 110	SET SCR M6X10	2				
17.	31 134	WASHER 6MM	2				

**FROM SERIAL NO. 340617 THROUGH 340805**

**HYDRAULIC SYSTEM-EXTENSION CYLINDER (2H)**

1.	25 127	CONNECTION	2	17.	31 134	WASHER 6MM	2
2.	62 860	HOSE-JIC 3/8X2200 O/O	2	18.	27 974	CLIP	2
3.	25 824	BULKHD CONNECTION-JIC	4	19.	25 130	BANJO CONNECTION (was 3)	4
4.	25 108	CONNECTION	2	20.	25 277	PLUG	3
	(was 3)			21.	25 347	PLUG 1/2"	1
5.	61 41 664	HOSE CLAMP 215MM	3	22.	59 908	CAP	
6.	31 156	SPRING WASHER 10MM	6	23.	30 199	STEEL BOLT M6X65	2
7.	30 153	SET SCR M10X16	6	24.	30 854	NUT M6	2
8.	62 879	HOSE-JIC 3/8X850 O/V	2	25.	62 864	HOSE-JIC 3/8X3900 O/O	2
9.	59 022	LOAD HOLDING VALVE	1	26.	25 832	CONNECTION-JIC	2
10.	62 44 054	GUIDE SHOE	1	27.	25 831	CONNECTION-JIC	2
11.	30 894	LOCK NUT M20	1	28.	25 243	CONNECTION, REDUCING (was 25 244)	1
12.	62 43 724	PIPE	1				
13.	62 43 714	PIPE	1				
14.	62 47 644	PIPE (was 6247294)	1				
15.	62 43 744	PIPE	1				
16.	30 110	SET SCR M6X10	2				

**FROM SERIAL NO. 340806 THROUGH PRESENT**

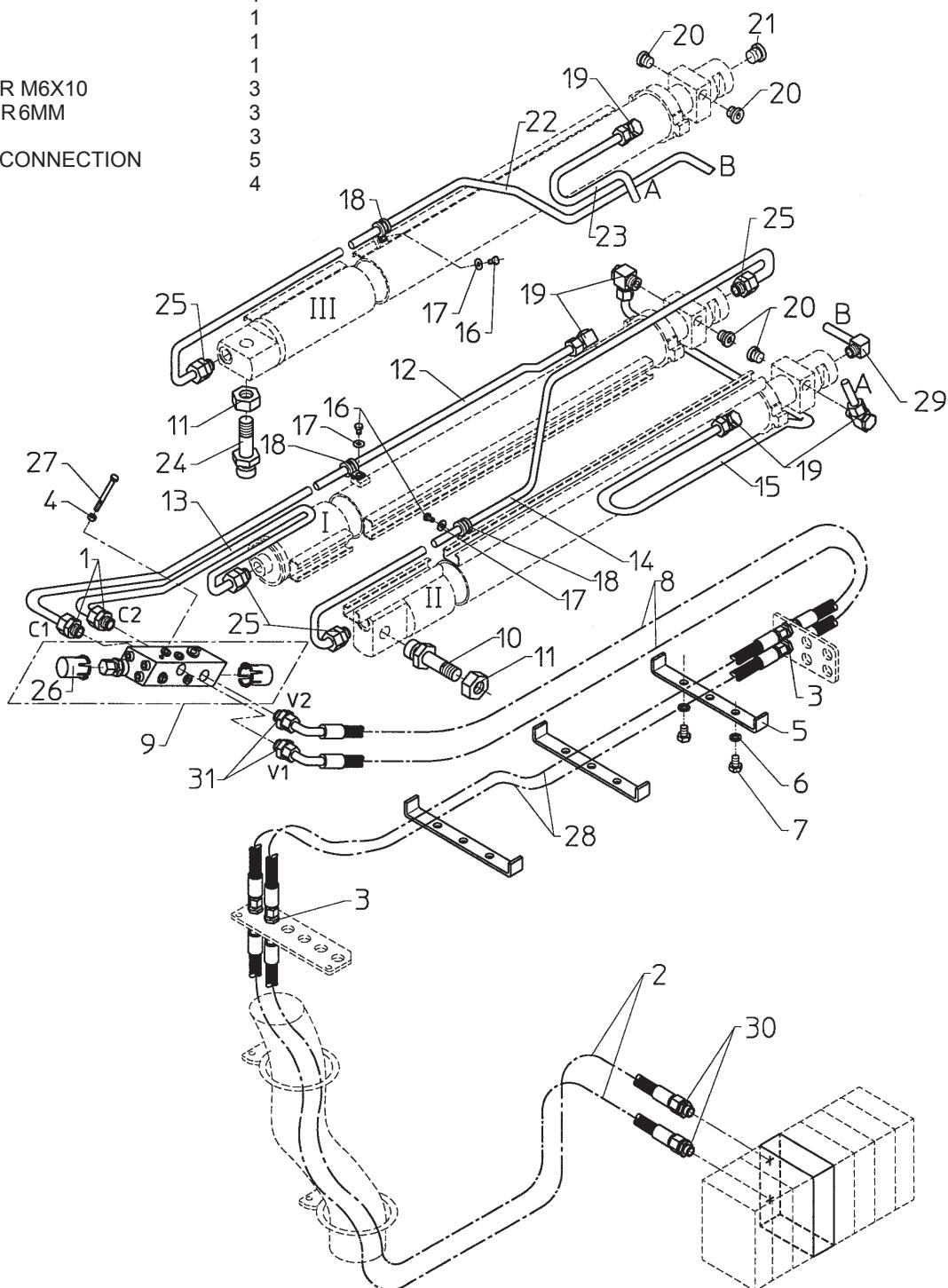
12/89: 505 05 370: 20020909

**HYDRAULIC SYSTEM-EXTENSION CYLINDER (3H)**

1.	25 127	CONNECTION
2.	62 860	HOSE-JIC 3/8X2200 O/O
3.	25 824	BULKHD CONNECTION-JIC
4.	30 854	NUT M6
5.	61 41 664	HOSE CLAMP 215MM
6.	31 156	SPRING WASHER 10MM
7.	30 156	SET SCR M10X30
8.	62 879	HOSE-JIC 3/8X850 O/V
9.	59 022	LOAD HOLDING VALVE
10.	62 45 634	GUIDE SHOE
11.	30 894	LOCK NUT M20
12.	62 43 724	PIPE
13.	62 43 714	PIPE
14.	62 43 734	PIPE
15.	62 43 744	PIPE
16.	30 110	SET SCR M6X10
17.	31 134	WASHER 6MM
18.	27 974	CLIP
19.	25 130	BANJO CONNECTION
20.	25 277	PLUG

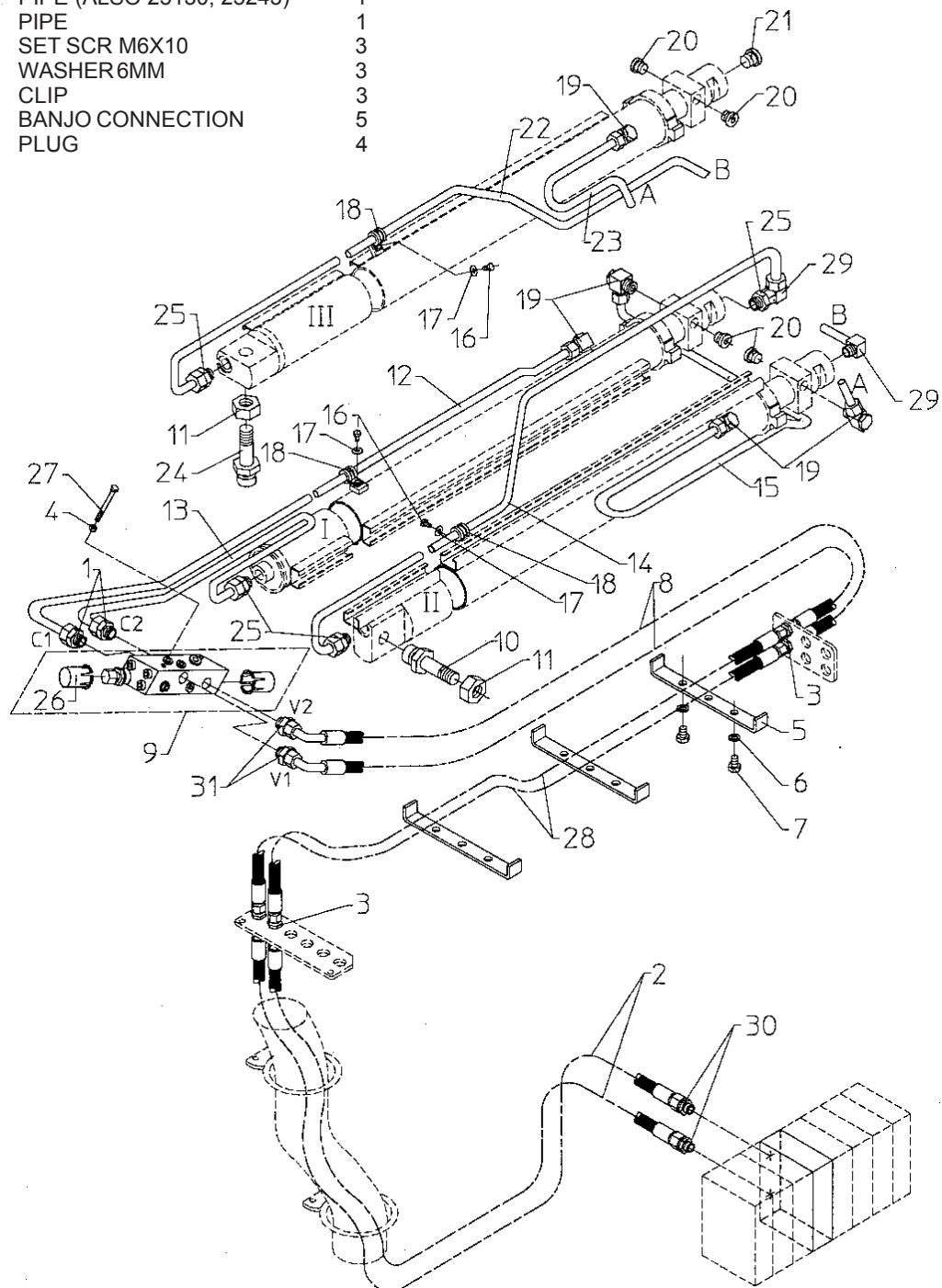
**PARTS-50**

21.	25 347	PLUG 1/2"	1
22.	61 79 854	PIPE	1
23.	62 43 764	PIPE	1
24.	62 45 704	GUIDE SHOE	1
25.	25 108	CONNECTION	4
26.	59 908	CAP	
27.	30 199	STEEL BOLT M6X65	2
28.	62 864	HOSE-JIC 3/8X3900 O/O	2
29.	25 242	CONNECTION	1
30.	25 832	CONNECTION-JIC	2
31.	25 831	CONNECTION-JIC	2

**FROM SERIAL NO. 340480 THROUGH 340616**

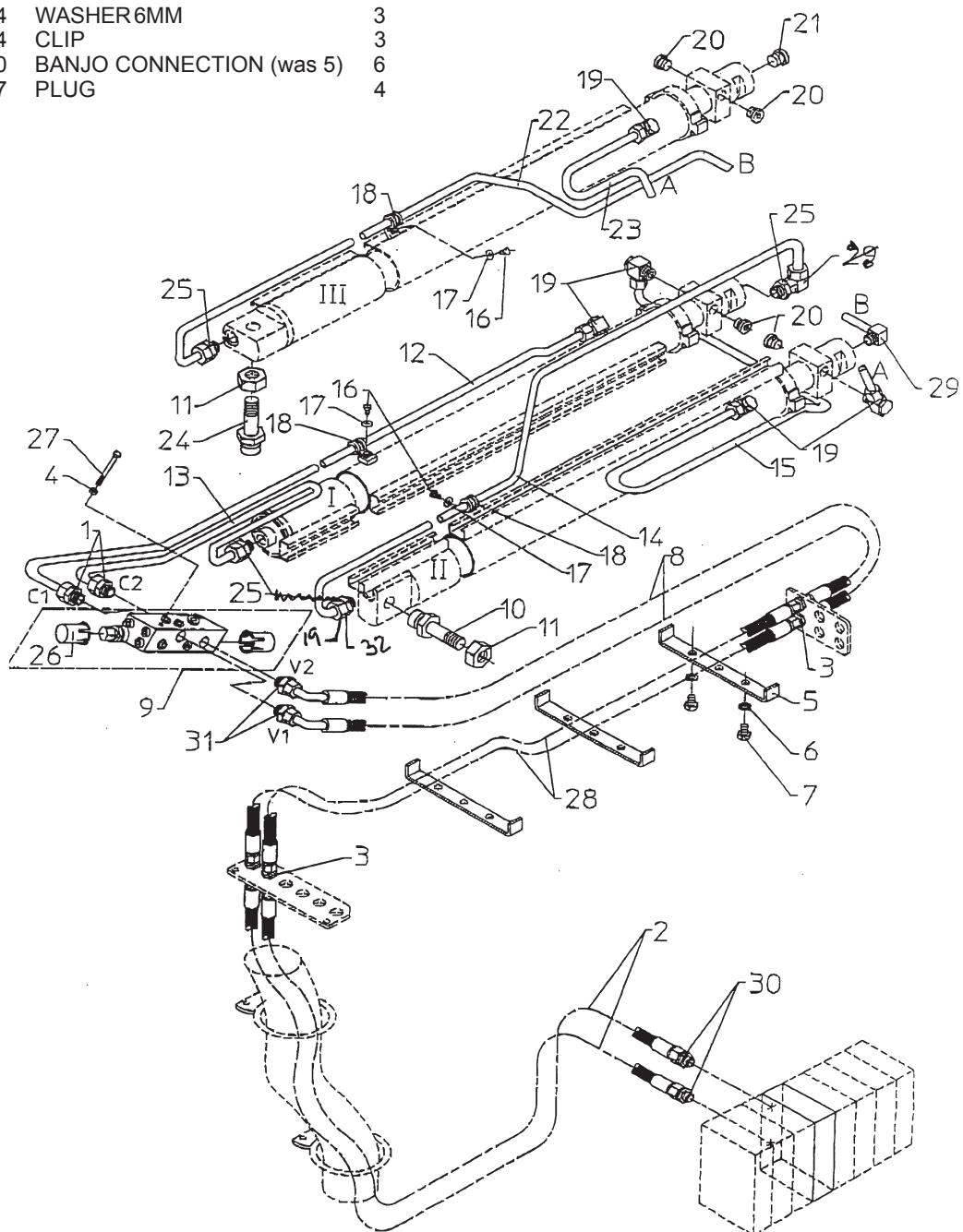
**HYDRAULIC SYSTEM-EXTENSION CYLINDER (3H)**

1.	25 127	CONNECTION	2	21.	25 347	PLUG 1/2"	1
2.	62 860	HOSE-JIC 3/8X2200 O/O	2	22.	61 79 854	PIPE	1
3.	25 824	BULKHD CONNECTION-JIC	4	23.	62 43 764	PIPE	1
4.	30 854	NUT M6	2	24.	62 45 704	GUIDE SHOE	1
5.	61 41 664	HOSE CLAMP 215MM	3	25.	25 108	CONNECTION	4
6.	31 156	SPRING WASHER 10MM	6	26.	59 908	CAP	
7.	30 156	SET SCR M10X30	1	27.	30 199	STEEL BOLT M6X65	2
8.	62 879	HOSE-JIC 3/8X850 O/V	2	28.	62 864	HOSE-JIC 3/8X3900 O/O	2
9.	59 022	LOAD HOLDING VALVE	1	29.	25 242	CONNECTION	2
10.	62 45 634	GUIDE SHOE	1	30.	25 832	CONNECTION-JIC	2
11.	30 894	LOCK NUT M20	2	31.	25 831	CONNECTION-JIC	2
12.	62 43 724	PIPE	1				
13.	62 43 714	PIPE	1				
14.	6247644	PIPE (ALSO 25130, 25243)	1				
15.	62 43 744	PIPE	1				
16.	30 110	SET SCR M6X10	3				
17.	31 134	WASHER 6MM	3				
18.	27 974	CLIP	3				
19.	25 130	BANJO CONNECTION	5				
20.	25 277	PLUG	4				

**FROM SERIAL NO. 340617 THROUGH 340805**

**HYDRAULIC SYSTEM-EXTENSION CYLINDER (3H)**

1.	25 127	CONNECTION	2	21.	25 347	PLUG 1/2"	1
2.	62 860	HOSE-JIC 3/8X2200 O/O	2	22.	61 79 854	PIPE	1
3.	25 824	BULKHD CONNECTION-JIC	4	23.	62 43 764	PIPE	1
4.	30 854	NUT M6	2	24.	62 45 704	GUIDE SHOE	1
5.	61 41 664	HOSE CLAMP 215MM	3	25.	25 108	CONNECTION (was 4)	3
6.	31 156	SPRING WASHER 10MM	6	26.	59 908	CAP	
7.	30 156	SET SCR M10X30	1	27.	30 199	STEEL BOLT M6X65	2
8.	62 879	HOSE-JIC 3/8X850 O/V	2	28.	62 864	HOSE-JIC 3/8X3900 O/O	2
9.	59 022	LOAD HOLDING VALVE	1	29.	25 242	CONNECTION (was 2)	1
10.	62 44 054	GUIDE SHOE	1	30.	25 832	CONNECTION-JIC	2
11.	30 894	LOCK NUT M20	2	31.	25 831	CONNECTION-JIC	2
12.	62 43 724	PIPE	1	32.	25 243	CONNECTION, RED	1
13.	62 43 714	PIPE	1				
14.	62 47 644	PIPE (was 6247294)	1				
15.	62 43 744	PIPE	1				
16.	30 110	SET SCR M6X10	3				
17.	31 134	WASHER6MM	3				
18.	27 974	CLIP	3				
19.	25 130	BANJO CONNECTION (was 5)	6				
20.	25 277	PLUG	4				

**FROM SERIAL NO. 340806 AND ABOVE**

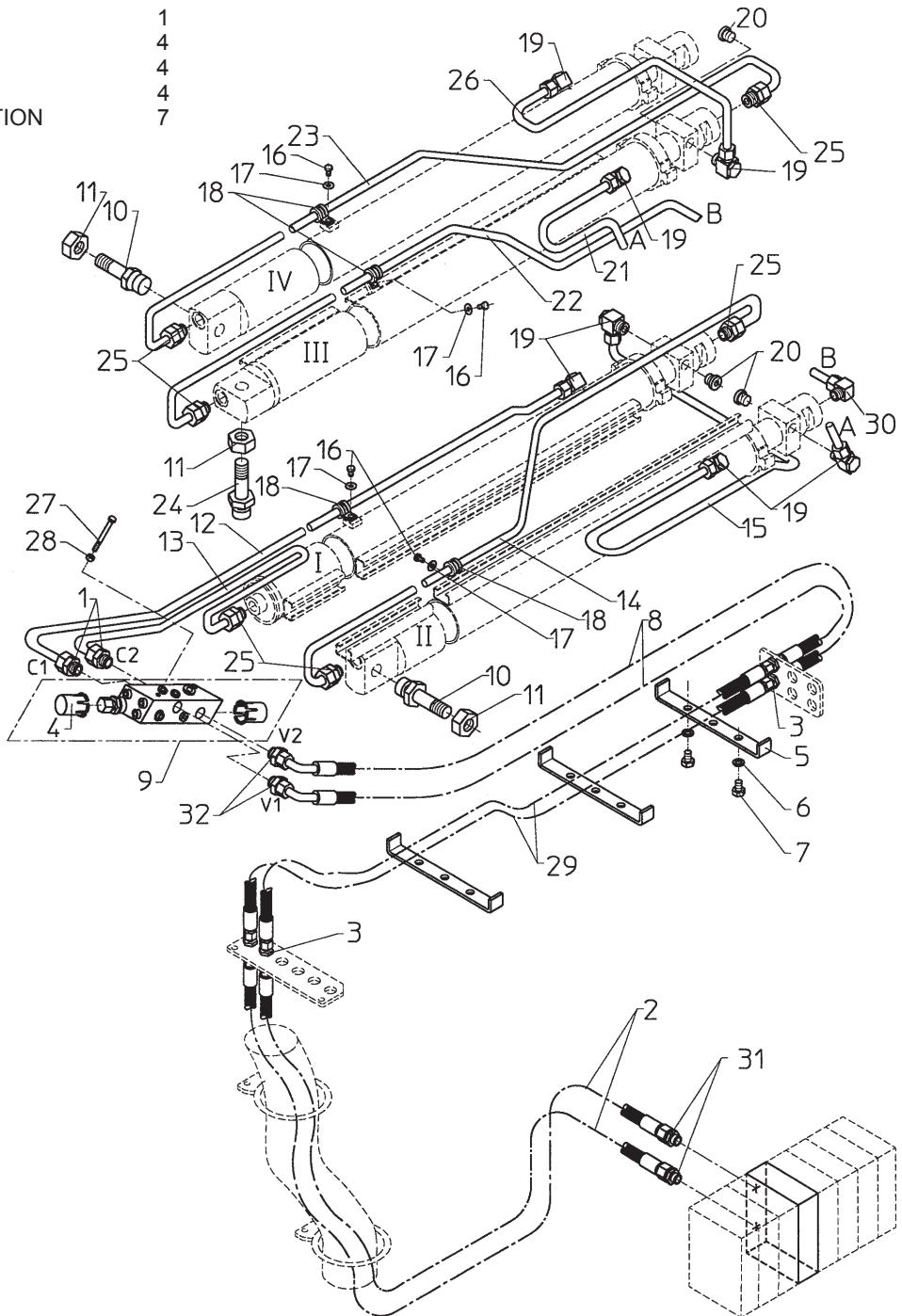
12/89: 505 05 380: 20020909

PARTS-53

## **HYDRAULIC SYSTEM-EXTENSION CYLINDER (4H)**

1.	25 127	CONNECTION	2	21.	62 43 764	PIPE	1
2.	62 860	HOSE-JIC 3/8X2200 O/O	2	22.	61 79 854	PIPE	1
3.	25 824	BULKHD CONNECTION-JIC	4	23.	62 43 774	PIPE	1
4.	59 908	CAP		24.	62 45 704	GUIDE SHOE	1
5.	61 41 664	HOSE CLAMP 215MM	3	25.	25 108	CONNECTION	6
6.	31 156	SPRING WASHER 10MM	6	26.	62 43 784	PIPE	1
7.	30 153	SET SCR M10X16	6	27.	30 199	STEEL BOLT M6X65	2
8.	62 879	HOSE-JIC 3/8X850 O/V	2	28.	30 854	NUT M6	2
9.	59 022	LOAD HOLDING VALVE	1	29.	62 864	HOSE-JIC 3/8X3900 O/O	2
10.	62 45 634	GUIDE SHOE	2	30.	25 242	CONNECTION	1
11.	30 894	LOCK NUT M20	3	31.	25 832	CONNECTION-JIC	2
12.	62 43 724	PIPE	1	32.	25 831	CONNECTION-JIC	2
13.	62 43 714	PIPE	1				
14.	62 43 734	PIPE	1				
15.	62 43 744	PIPE	1				
16.	30 110	SET SCR M6X10	4				
17.	31 134	WASHER 6MM	4				
18.	27 974	CLIP	4				
19.	25 130	BANJO CONNECTION	7				

**FROM SERIAL NO. 340480 THROUGH 340616**

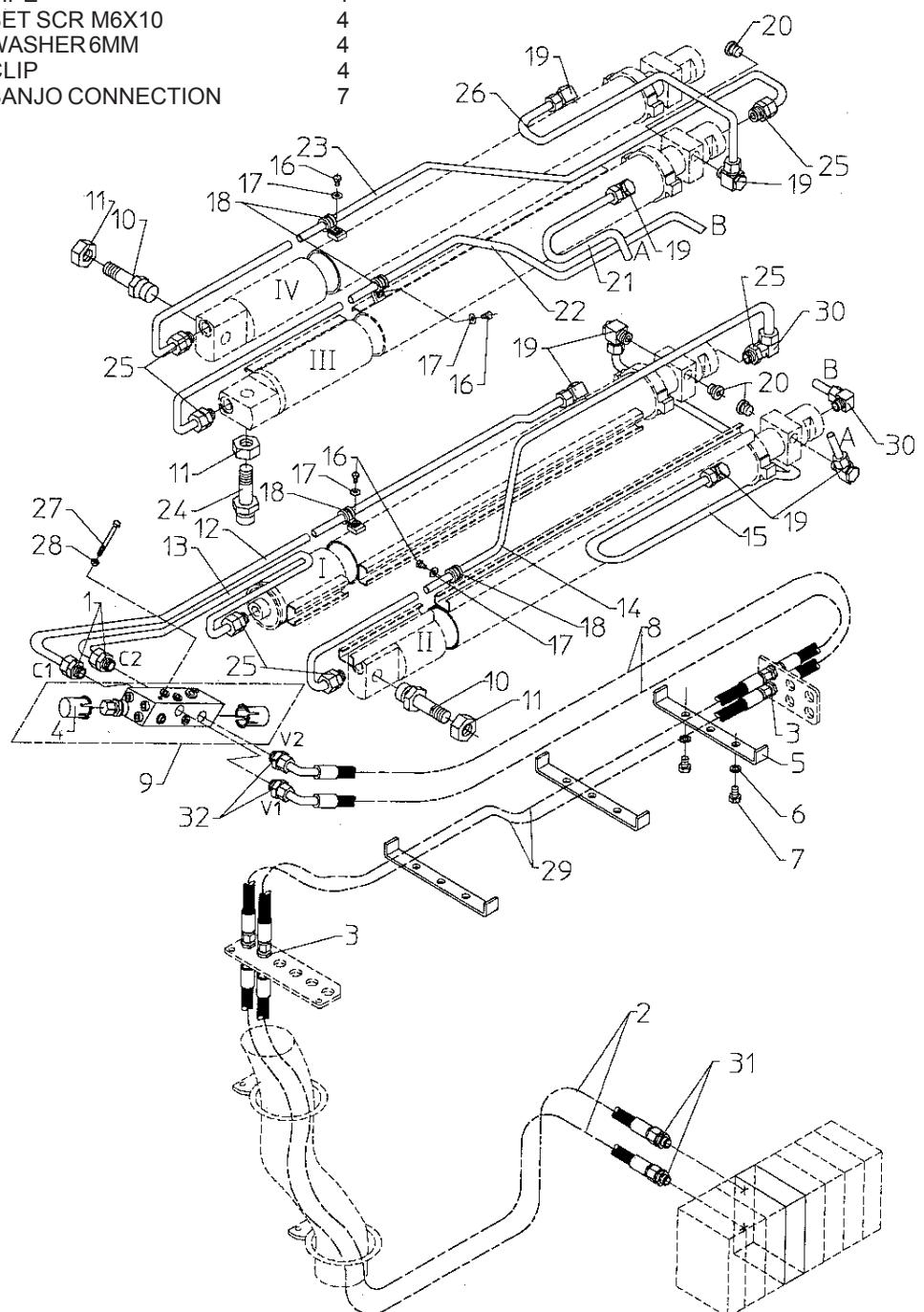


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## PARTS-54

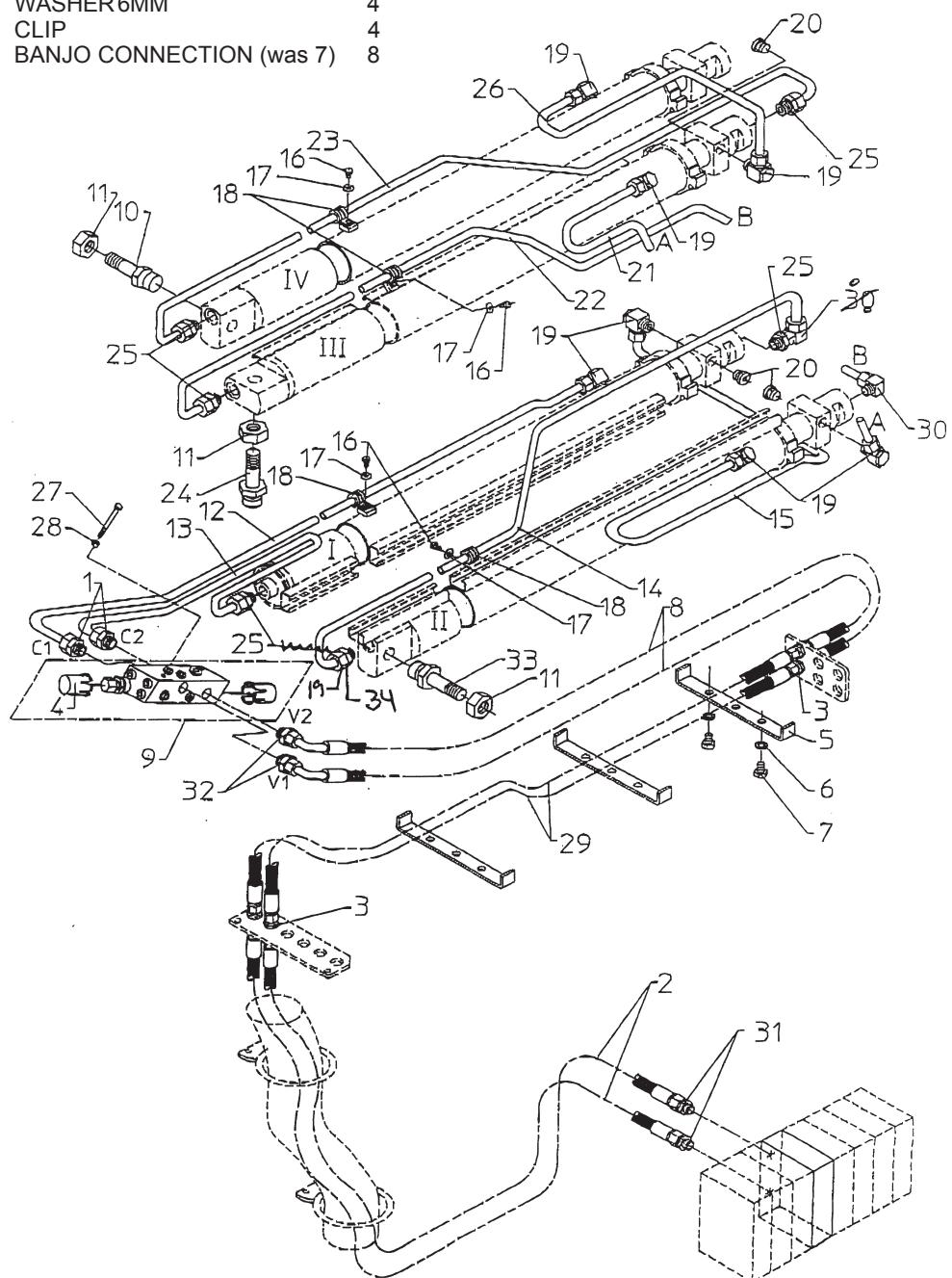
**HYDRAULIC SYSTEM-EXTENSION CYLINDER (4H)**

1.	25 127	CONNECTION	2	20.	25 277	PLUG	3
2.	62 860	HOSE-JIC 3/8X2200 O/O	2	21.	62 43 764	PIPE	1
3.	25 824	BULKHD CONNECTION-JIC	4	22.	61 79 854	PIPE	1
4.	59 908	CAP		23.	62 43 774	PIPE	1
5.	61 41 664	HOSE CLAMP 215MM	3	24.	62 45 704	GUIDE SHOE	1
6.	31 156	SPRING WASHER 10MM	6	25.	25 108	CONNECTION	6
7.	30 153	SET SCR M10X16	6	26.	62 43 784	PIPE	1
8.	62 879	HOSE-JIC 3/8X850 O/V	2	27.	30 199	STEEL BOLT M6X65	2
9.	59 022	LOAD HOLDING VALVE	1	28.	30 854	NUT M6	2
10.	62 45 634	GUIDE SHOE	2	29.	62 864	HOSE-JIC 3/8X3900 O/O	2
11.	30 894	LOCK NUT M20	3	30.	25 242	CONNECTION	2
12.	62 43 724	PIPE	1	31.	25 832	CONNECTION-JIC	2
13.	62 43 714	PIPE	1	32.	25 831	CONNECTION-JIC	2
14.	6247644	PIPE (ALSO 25130, 25243)	1				
15.	62 43 744	PIPE	1				
16.	30 110	SET SCR M6X10	4				
17.	31 134	WASHER 6MM	4				
18.	27 974	CLIP	4				
19.	25 130	BANJO CONNECTION	7				

**FROM SERIAL NO. 340617 THROUGH 340805**

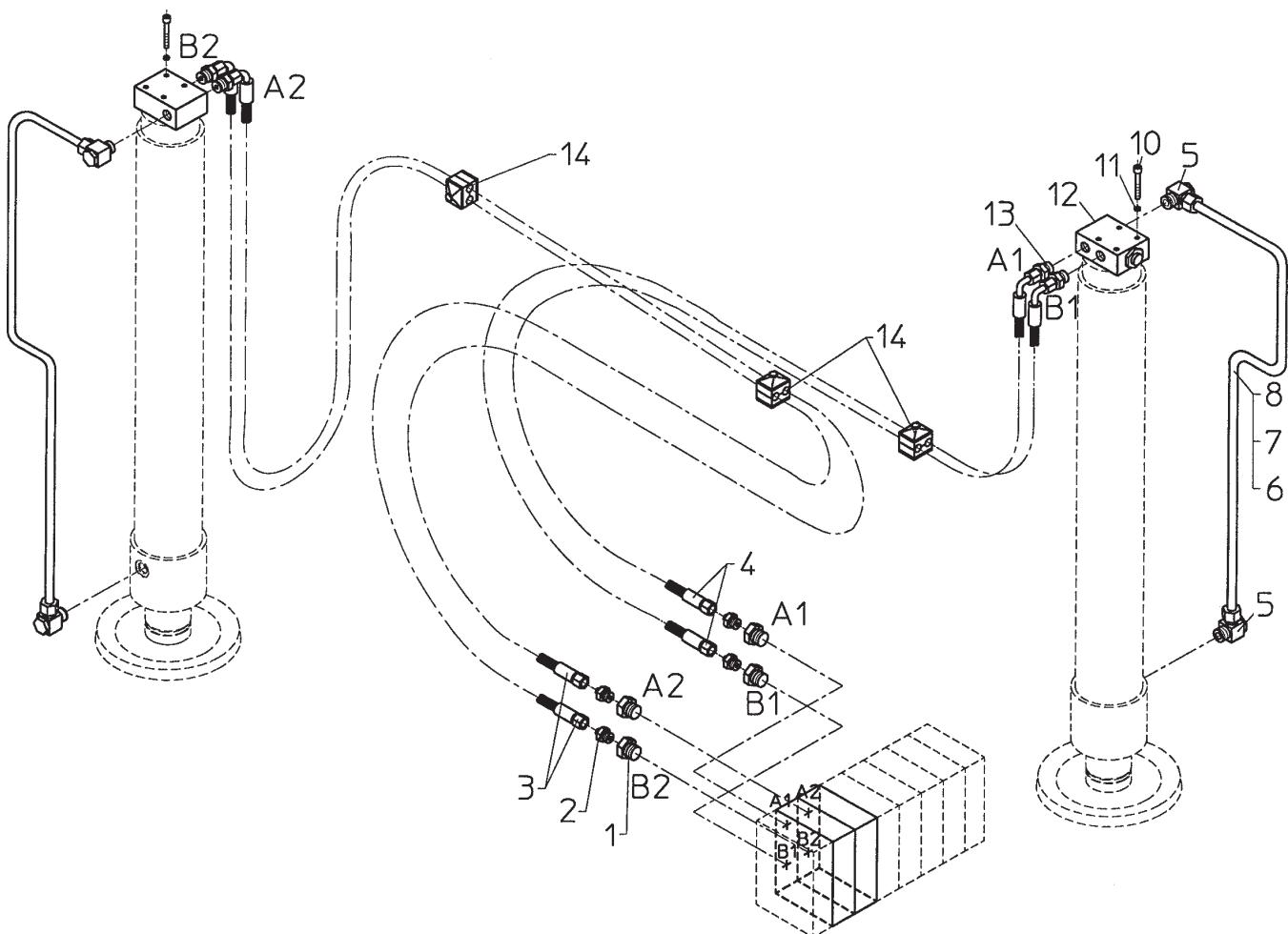
**HYDRAULIC SYSTEM-EXTENSION CYLINDER (4H)**

1.	25 127	CONNECTION	2	20.	25 277	PLUG	3
2.	62 860	HOSE-JIC 3/8X2200 O/O	2	21.	62 43 764	PIPE	1
3.	25 824	BULKHD CONNECTION-JIC	4	22.	61 79 854	PIPE	1
4.	59 908	CAP		23.	62 43 774	PIPE	1
5.	61 41 664	HOSE CLAMP 215MM	3	24.	62 45 704	GUIDE SHOE	1
6.	31 156	SPRING WASHER 10MM	6	25.	25 108	CONNECTION (was 6)	5
7.	30 153	SET SCR M10X16	6	26.	62 43 784	PIPE	1
8.	62 879	HOSE-JIC 3/8X850 O/V	2	27.	30 199	STEEL BOLT M6X65	2
9.	59 022	LOAD HOLDING VALVE	1	28.	30 854	NUT M6	2
10.	62 45 634	GUIDE SHOE	1	29.	62 864	HOSE-JIC 3/8X3900 O/O	2
11.	30 894	LOCK NUT M20	3	30.	25 242	CONNECTION (was 2)	1
12.	62 43 724	PIPE	1	31.	25 832	CONNECTION-JIC	2
13.	62 43 714	PIPE	1	32.	25 831	CONNECTION-JIC	2
14.	62 47 644	PIPE (was 6247294)	1	33.	62 44 054	GUIDE SHOE	1
15.	62 43 744	PIPE	1	34.	25 243	CONNECTION, RED	1
16.	30 110	SET SCR M6X10	4				
17.	31 134	WASHER6MM	4				
18.	27 974	CLIP	4				
19.	25 130	BANJO CONNECTION (was 7)	8				

**FROM SERIAL NO. 340806 AND ABOVE**

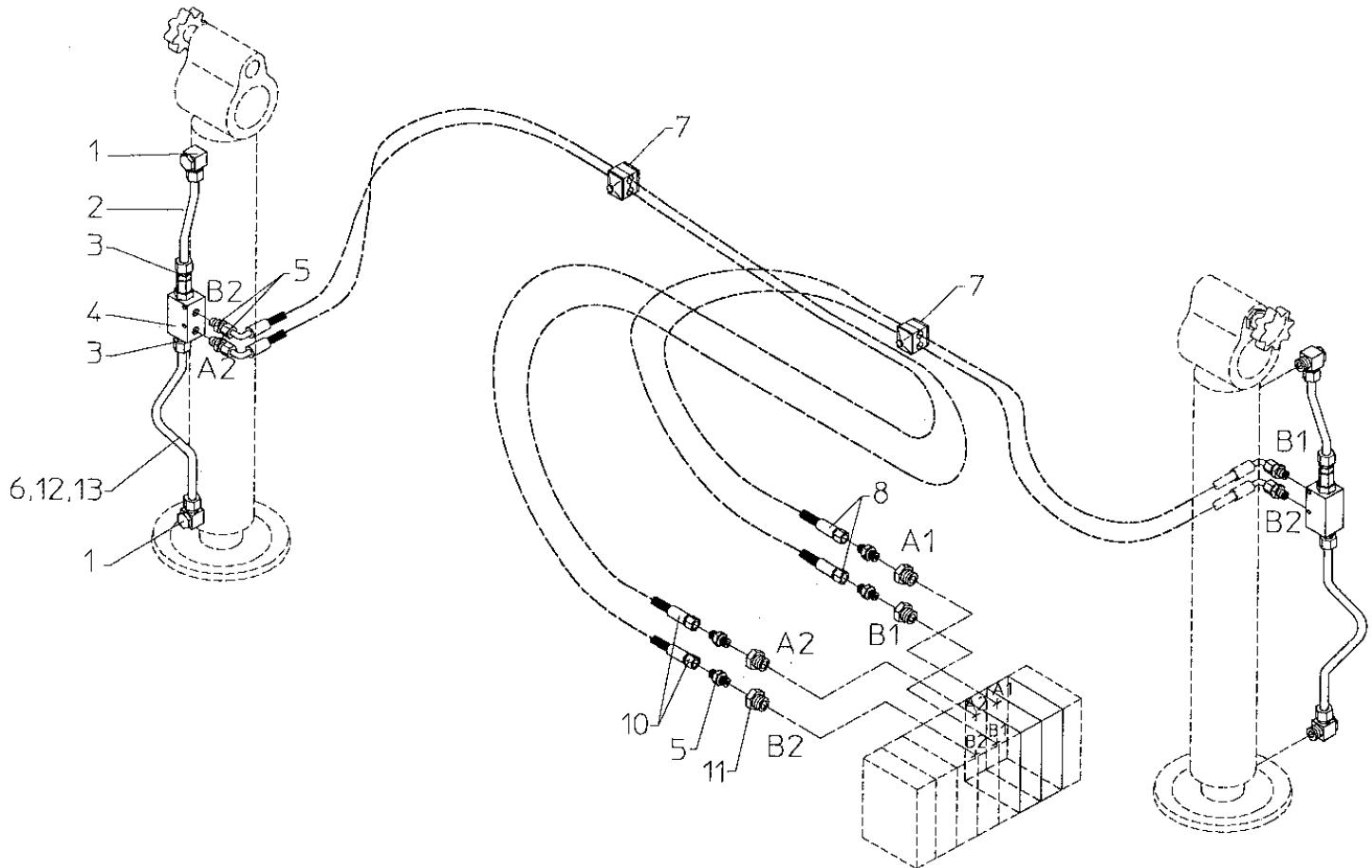
**HYDRAULIC SYSTEM-STABILIZERS-TYPE SV**

1.	25 180	CONNECTION	4
2.	25 829	CONNECTION-JIC	4
3.	62 876	HOSE-JIC 1/4X3400 V/O	2
4.	62 875	HOSE-JIC 1/4X2150 V/O	2
5.	25 130	BANJO CONNECTION	4
6.	61 79 754	PIPE	2
7.	61 79 764	PIPE	2
8.	61 79 774	PIPE	2
9.	25 127	CONNECTION	2
10.	30 435	SCREW MC6X45	8
11.	31 154	SPRING WASHER 6MM	8
12.	59 924	PILOTED CHECK VALVE	2
13.	25 830	CONNECTION-JIC	4
14.	31 418	DBL CLAMP 2X12MM	3



**HYDRAULIC SYSTEM, STABILIZERS, TYPE SR**

1.	25 130	CONNECTION	4
2.	61 74 314	PIPE	2
3.	25 195	CONN P-GEV12L/R1/4-WD	4
4.	60 472	PILOTED CHECK VALVE	2
5.	25 829	CONNECTION,JIC P40XS8-1/4	8
6.	61 74 324	PIPE C80-625	2
7.	31 418	CLAMP, DOUBLE 2 X 12MM	2
8.	62 875	HOSE JIC 1/4 X 2150 V/O	2
10.	62 876	JOSE, JIC 1/4 X 3400 V/O	2
11.	25 180	CONNECTION RED-R1/2/R1/4	4
12.	61 79 864	PIPE C80-500	4
13.	62 03 994	PIPE C80-800	2



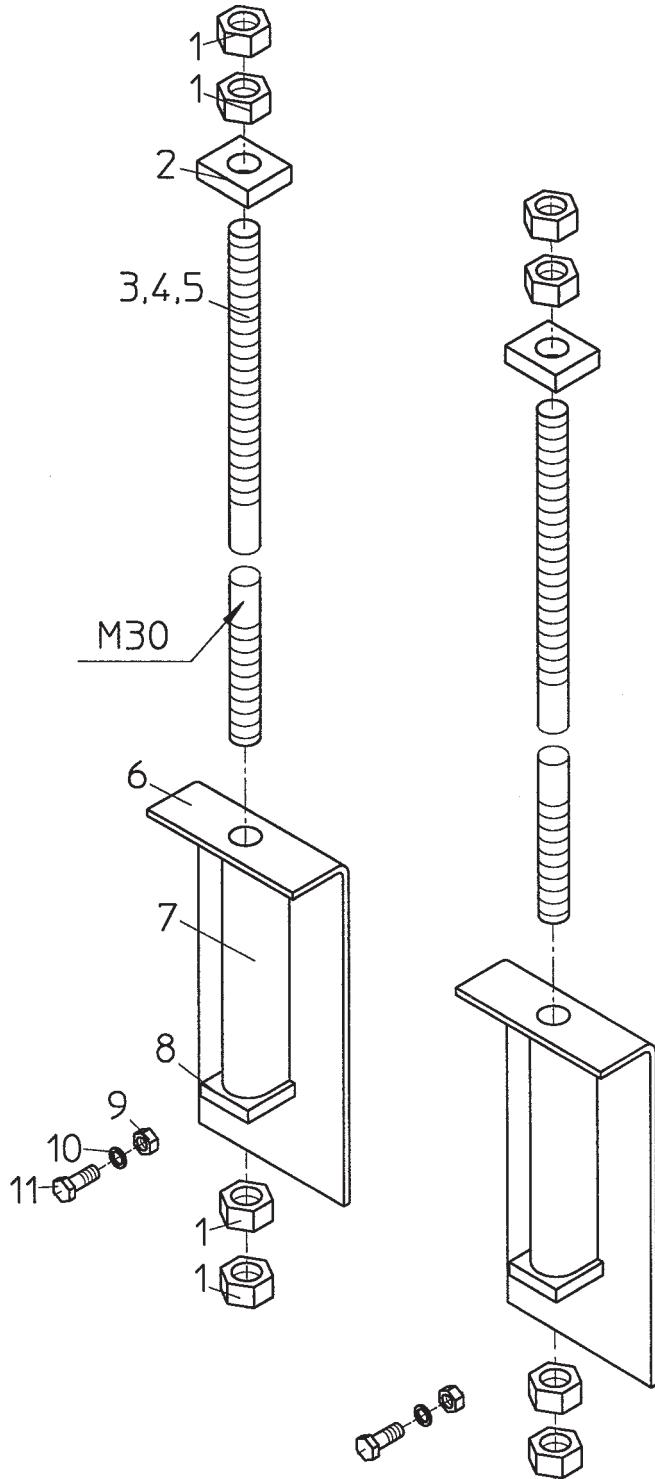
12/89: 505 06 100: 20020909

**MOUNTING FITTINGS**

1.	32 313	NUT M30X2
2.	66 58 094	WASHER
3.	68 86 864	MOUNTING BOLT 600MM
4.	68 86 874	MOUNTING BOLT 710MM
5.	68 86 884	MOUNTING BOLT 850MM
6.	68 81 704	MOUNTING PLATE
7.	66 67 044	U-SECTION
8.	66 67 284	WASHER
9.	30 891	LOCK NUT M14
10.	31 111	WASHER 14MM
11.	31 497	STEEL BOLT M14X40

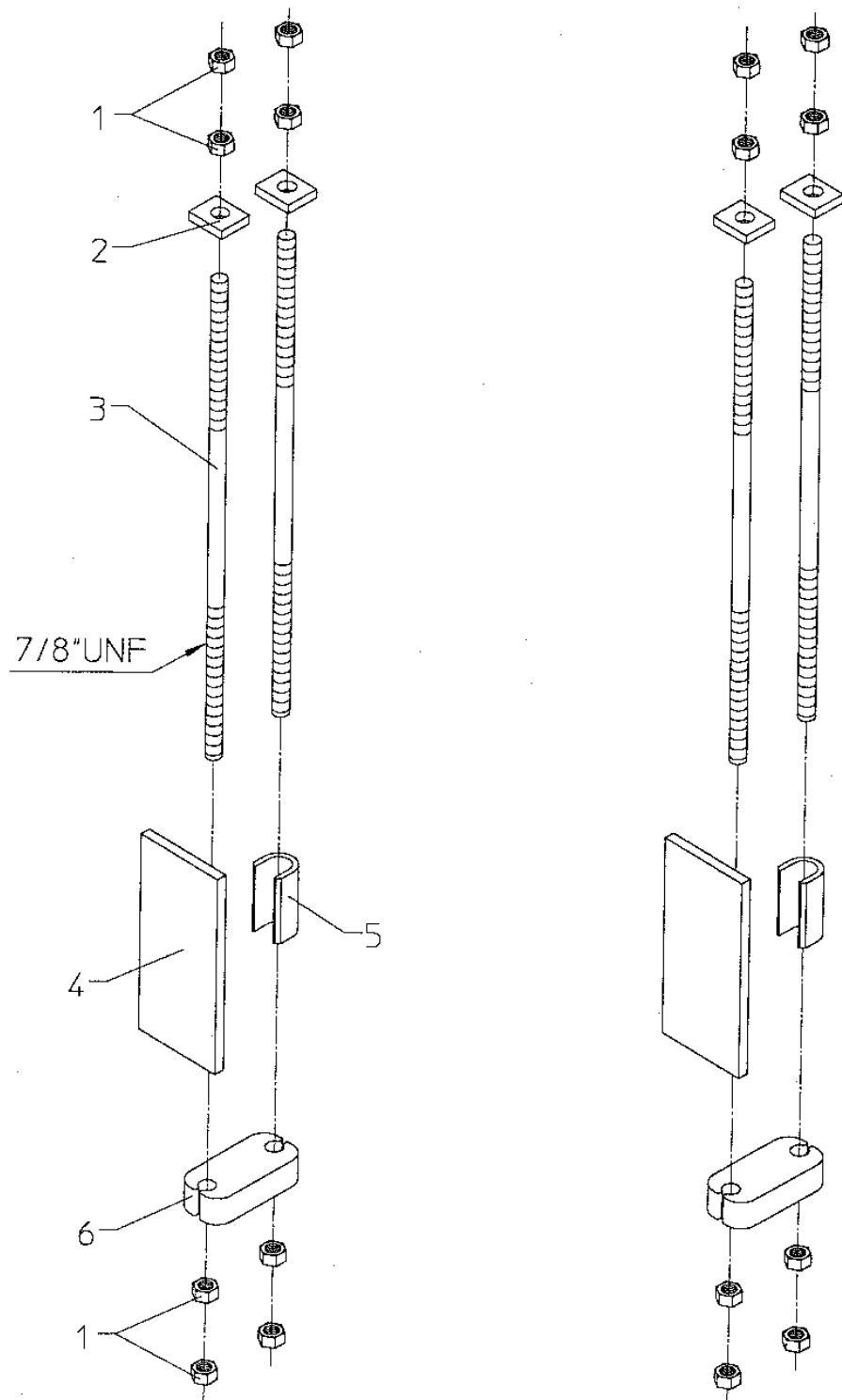
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8  
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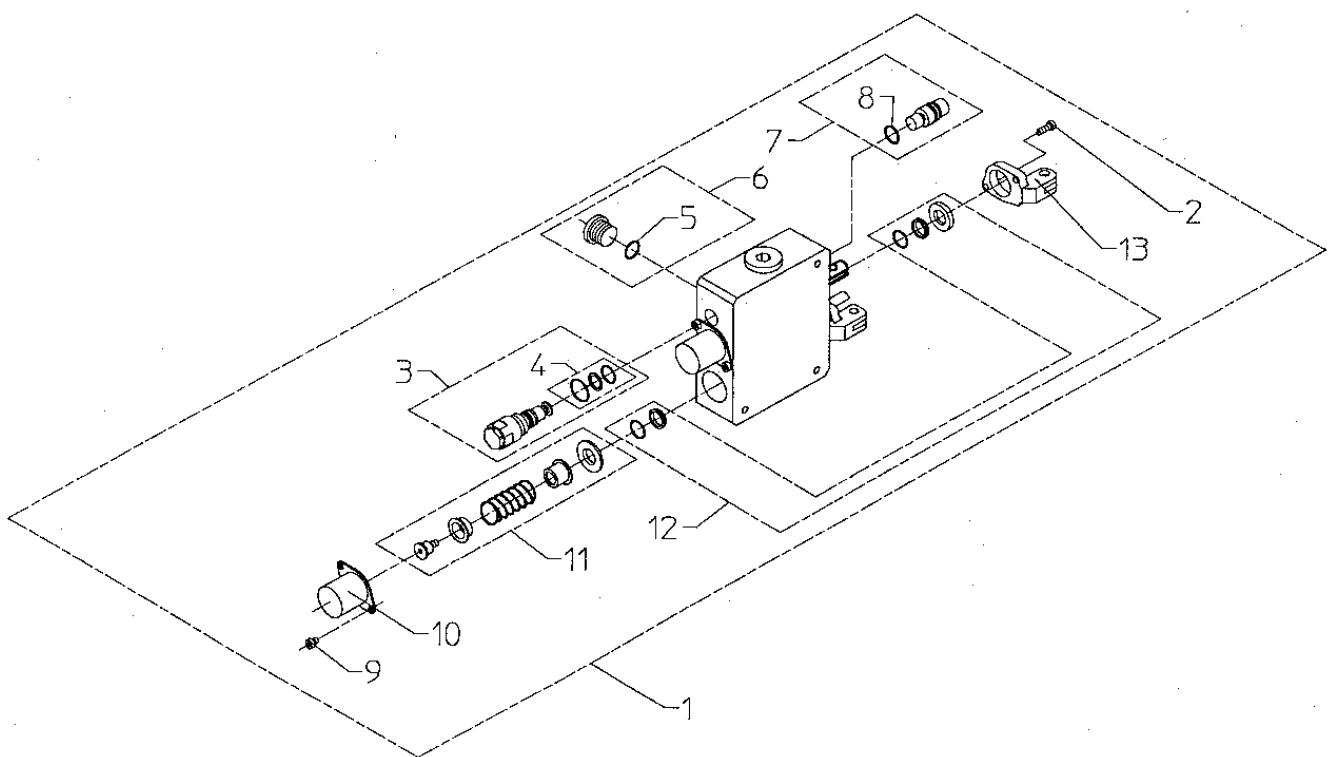
**MOUNTING FITTINGS**

1.	30 833	NUT 7/8' UNF	16
2.	66 57 044	WASHER	4
3.	66 57 614	MOUNTING BOLT 850mm	4
4.	66 59 924	SPACER	2
5.	66 59 914	U-SECTION	2
6.	59 58 574	CLAMP	2



**VALVE BLOCK, STABILIZERS, 2 FUNCTION**

1. 59 561 VALVE BLOCK
2. 30 433 SCREW MC 5 X 16
3. 61 679 MAIN-RELIEF VALVE TB 150
4. 61 493 SEAL KIT
5. 20 129 O-RING ø17.3 X 2.4
6. 61 366 PLUG 1/2" BSP
7. 61 678 CHECK VALVE
8. 20 121 O-RING ø13.3 X 2.4
9. 31 596 SCREW MC 5 X 6
10. 61 353 COVER
11. 61 482 SPRING KIT
12. 61 365 SEAL KIT
13. 61 362 BRACKET FOR LEVER

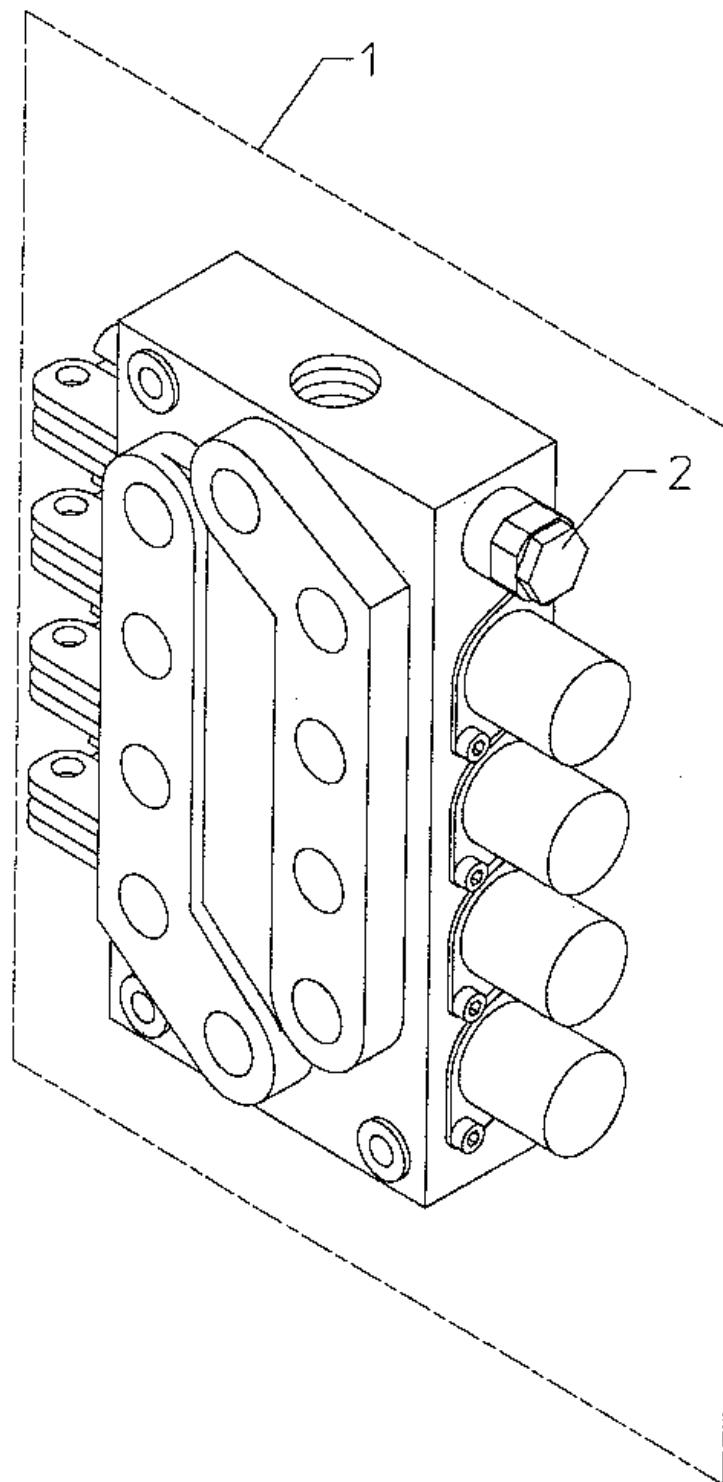


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PARTS-61

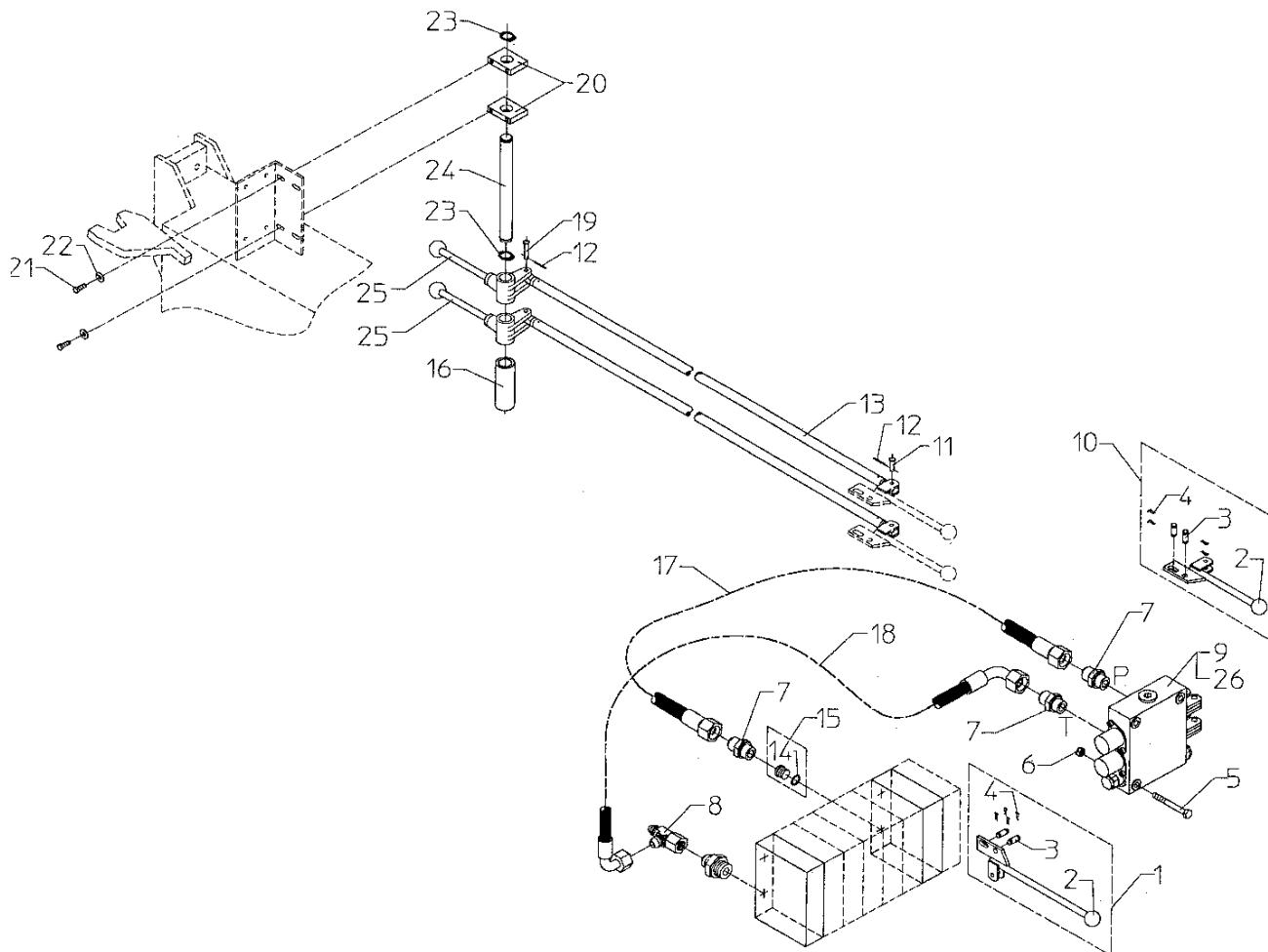
**VALVE BLOCK, STABILIZERS, 4 FUNCTION**

1. 59 122 VALVE BLOCK, COMPLETE 1  
2. 59 205 MAIN-RELIEF VALVE, 125 BAR



**PARTS FOR SERIES CONNECTION**

1.	66 31 280	CONTROL LEVER, LONG	2
2.	64 262	BALL ø32 X 10 MM	
3.	61 364	PIN	
4.	61 320	LOCK FOR PIN	
5.	30 142	STEEL BOLT M8X70	3
6.	30 886	LOCK NUT M8	3
7.	25 833	CONN, JIC F40XS14/16-1/2	3
8.	25 756	CONN R6X-S 14/16	1
9.	59 561	VALVE BLOCK, 2 SECT.	
10.	66 31 270	CONTROL LEVER, SHORT	
11.	31 271	COTTER BOLT ø6 X 20	
12.	31 601	SPLIT PIN ø1.5 X 20	
13.	61 73 944	CONNECTING ROD	
14.	20 120	O-RING ø16.35 X 2.21	
15.	61 367	PLUG 3/8" BSP	1
16.	63 820	NYLON BUSHING	
17.	62 917	HOSE, JIC 1/2" X 600 O/O	1
18.	62 993	HOSE, JIC 1/2" X 850 90/90	1
19.	31 274	COTTER BOLT ø6 X 30	
20.	62 43 124	MANIFOLD	2
21.	30 112	SET SCREW M6 X 16	4
22.	31 134	WASHER 6MM	4
23.	33 107	CIRCLIP 19U	2
24.	62 43 144	PIN FOR 4 LEVERS	1
25.	66 61 643	CONTROL LEVER, SHORT	
26.	59 122	VALVE BLOCK, CPL 4 SECT.	

**FROM SERIAL NO. 340480 THROUGH 340886**

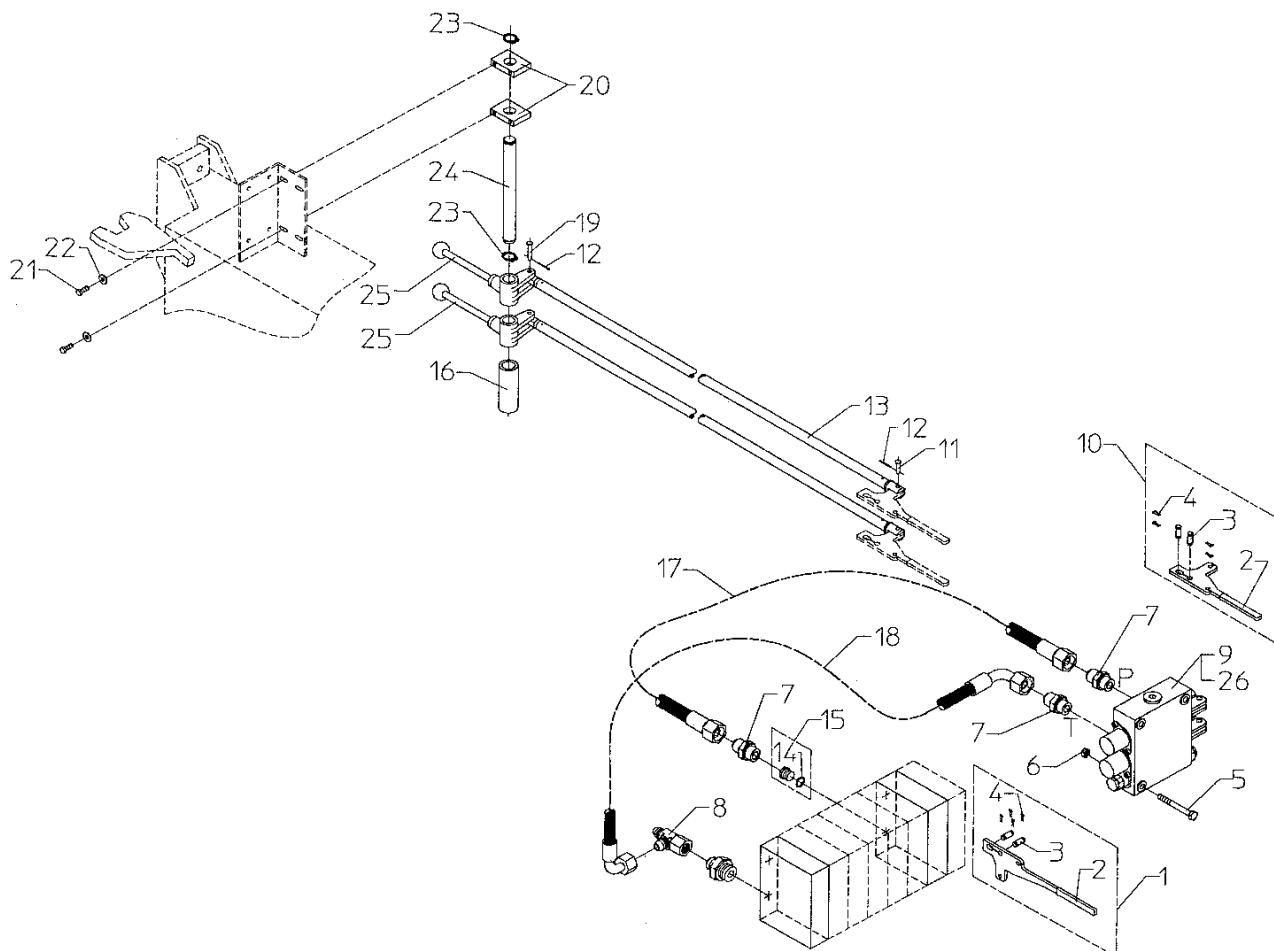
12/89: 505 07 051: 20020909

PARTS-63

**PARTS FOR SERIES CONNECTION**

1.	68 82 770	CONTROL LEVER, LONG	2
2.	48 406	KNOB	
3.	61 364	PIN	
4.	61 320	LOCK FOR PIN	
5.	30 142	STEEL BOLT M8X70	3
6.	30 886	LOCK NUT M8	3
7.	25 833	CONN, JIC F40XS14/16-1/2	3
8.	25 756	CONN R6X-S 14/16	1
9.	59 561	VALVE BLOCK, 2 SECT.	
10.	68 82 760	CONTROL LEVER, SHORT	
11.	31 271	COTTER BOLT Ø6 X 20	
12.	31 601	SPLIT PIN Ø1.5 X 20	
13.	62 47 554	CONNECTING ROD	
14.	20 120	O-RING Ø16.35 X 2.21	
15.	61 367	PLUG 3/8" BSP	1
16.	63 820	NYLON BUSHING	
17.	62 917	HOSE, JIC 1/2" X 600 O/O	1
18.	62 993	HOSE, JIC 1/2" X 850 90/90	1
19.	31 274	COTTER BOLT Ø6 X 30	
20.	62 43 124	MANIFOLD	2
21.	30 112	SET SCREW M6 X 16	4
22.	31 134	WASHER 6MM	4
23.	33 107	CIRCLIP 19U	2
24.	62 43 144	PIN FOR 4 LEVERS	1
25.	66 61 643	CONTROL LEVER, SHORT	
26.	59 122	VALVE BLOCK, CPL 4 SECT.	

**FROM SERIAL NO. 340887 AND UP**



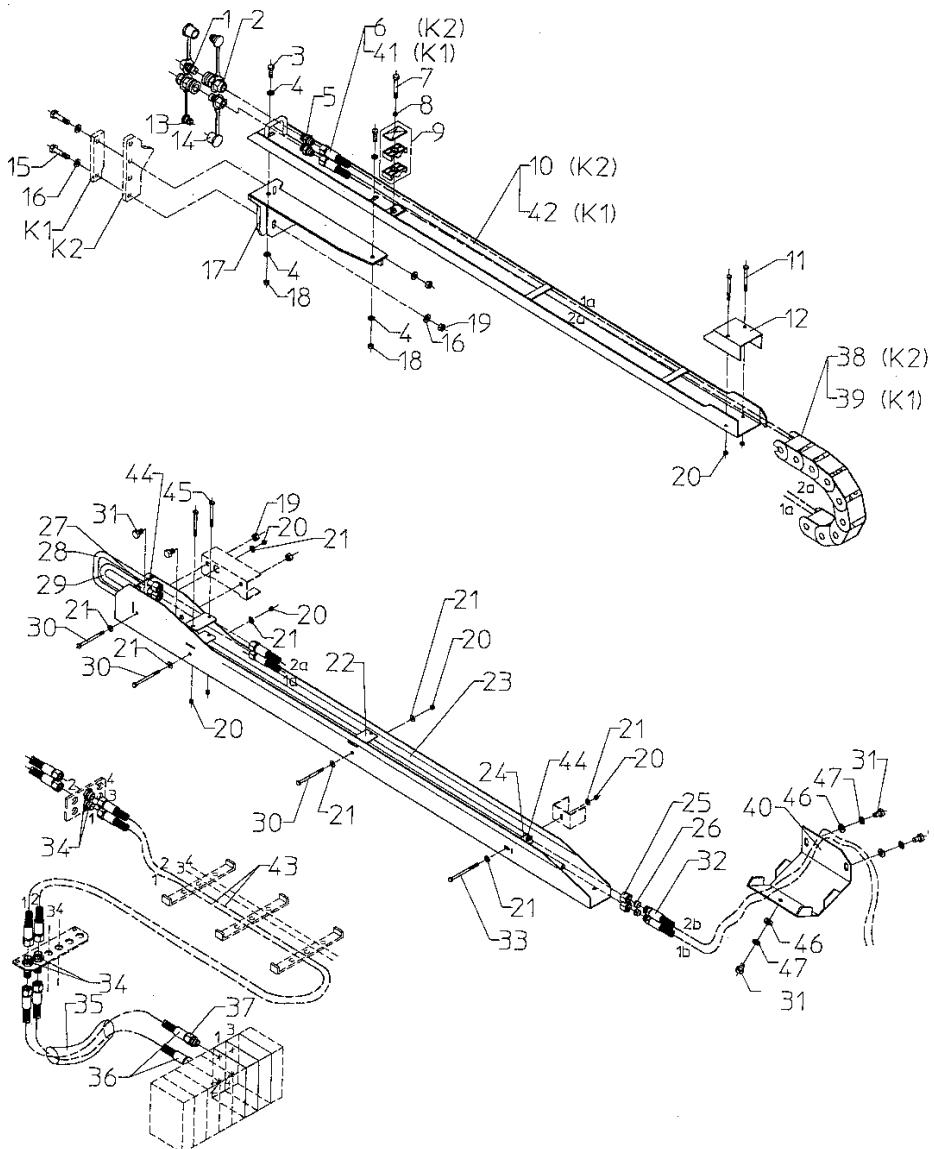
12/89: 505 07 170: 20020909

**1 EXTRA VALVE, K1-K2**

1. 60 619 QUICK RELEASE CPLG, F 3/8" 2
2. 60 620 QUICK RELEASE CPLG, M 3/8" 2
3. 30 134 SET SCREW M8 X 25 2
4. 31 755 WASHER 8 MM 4
5. 25 831 CONNECTION JIC F40XS12-3/8 2
6. 62 989 HOSE JIC 3/8" X 4000 S/L
7. 30 140 STEEL BOLT M8 X 55 1
8. 31 155 SPRING WASHER 8 MM 1
9. 31 808 DOUBLE CLAMP 2 X 18 MM 1
10. 62 46 473 PROTECTIVE PLATE
11. 30 199 STEEL BOLT M6 X 65 2
12. 62 46 413 MTGFITTINGS, TOP 1
13. 60 621 DUST CAP, M 3/8" 2
14. 60 622 DUST CAP, F 3/8" 2
15. 30 165 STEEL BOLT M10 X 45 2
16. 31 756 WASHER 10 MM 4
17. 62 46 553 BRACKET 1
18. 30 886 LOCK NUT M8 2
19. 30 888 LOCK NUT M10 4
20. 30 884 LOCK NUT M6 8
21. 31 134 WASHER 6 MM 8
22. 62 46 404 MTGPLATE 3
23. 62 46 581 PROT. PLATE 1

**PARTS-64**

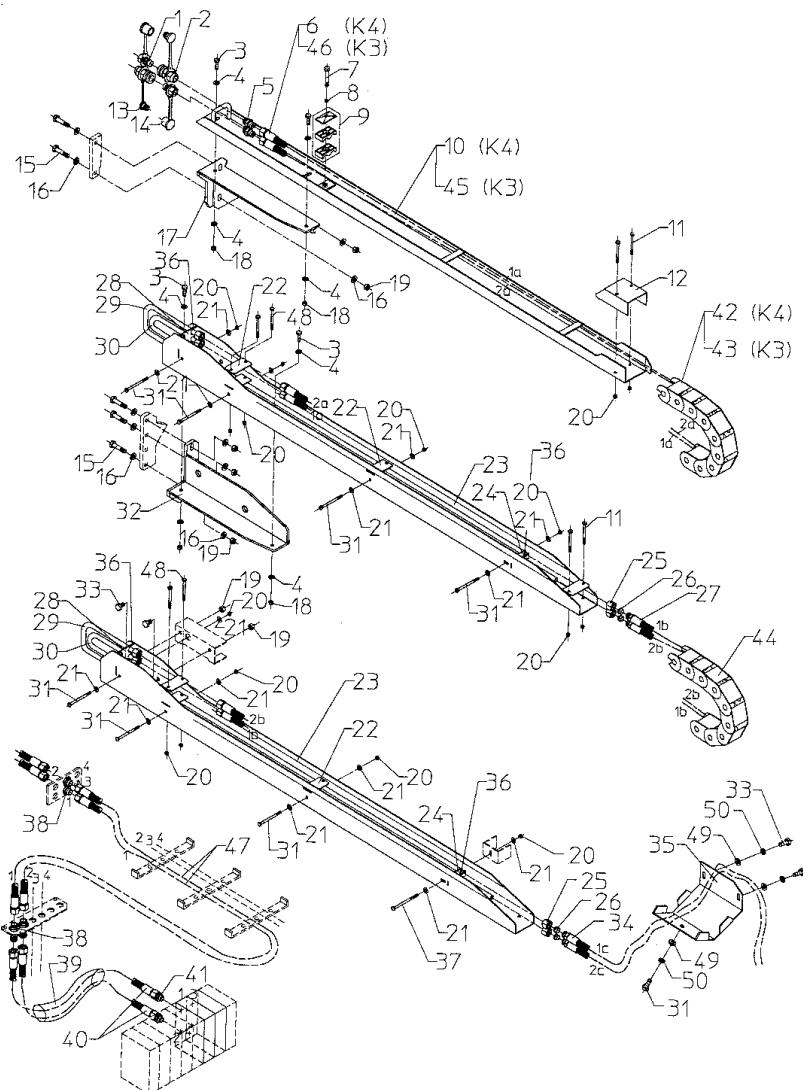
24.	62 46 424	CLAMP	1
25.	25 845	CPLG NUT BTX-S 12	
26.	25 844	BACK RING TX-S 12	
27.	62 46 434	CLAMP	1
28.	63 29 384	PIPE	1
29.	63 29 374	PIPE	1
30.	30 196	STEEL BOLT M6 X 80	3
31.	30 153	SET SCREW M10 X 16	5
32.	56 009	HOSE 3/8 X 1100 S/L	2
33.	30 124	STEEL BOLT M6 X 90	1
34.	25 824	BLKHD CONN JIC WTX-WLNS12	4
35.	62 601	PROT COVER 145 X 1530 MM	1
36.	56 007	HOSE 3/8" X 2450 L/L	2
37.	25 832	CONN, JIC F40XS12-1/2	2
38.	27 595	NYLON DRAG CHAIN 21/75 47 LED	
39.	27 594	NYLON DRAG CHAIN 21/75 25 LED	
40.	61 79 583	PROTPLATE	1
41.	62 985	HOSE JIC 3/8" X 2350 S/L	
42.	62 46 443	PROTPLATE	
43.	62 864	HOSE, JIC 3/8" X 3900 O/O	
44.	28 909	RUBBER BUSHING	
45.	30 120	STEEL BOLT M6 X 60	2
46.	31 177	WASHER 21 X 10.5 X 2	3
47.	31 156	SPRING WASHER 10 MM	3



## PARTS-65

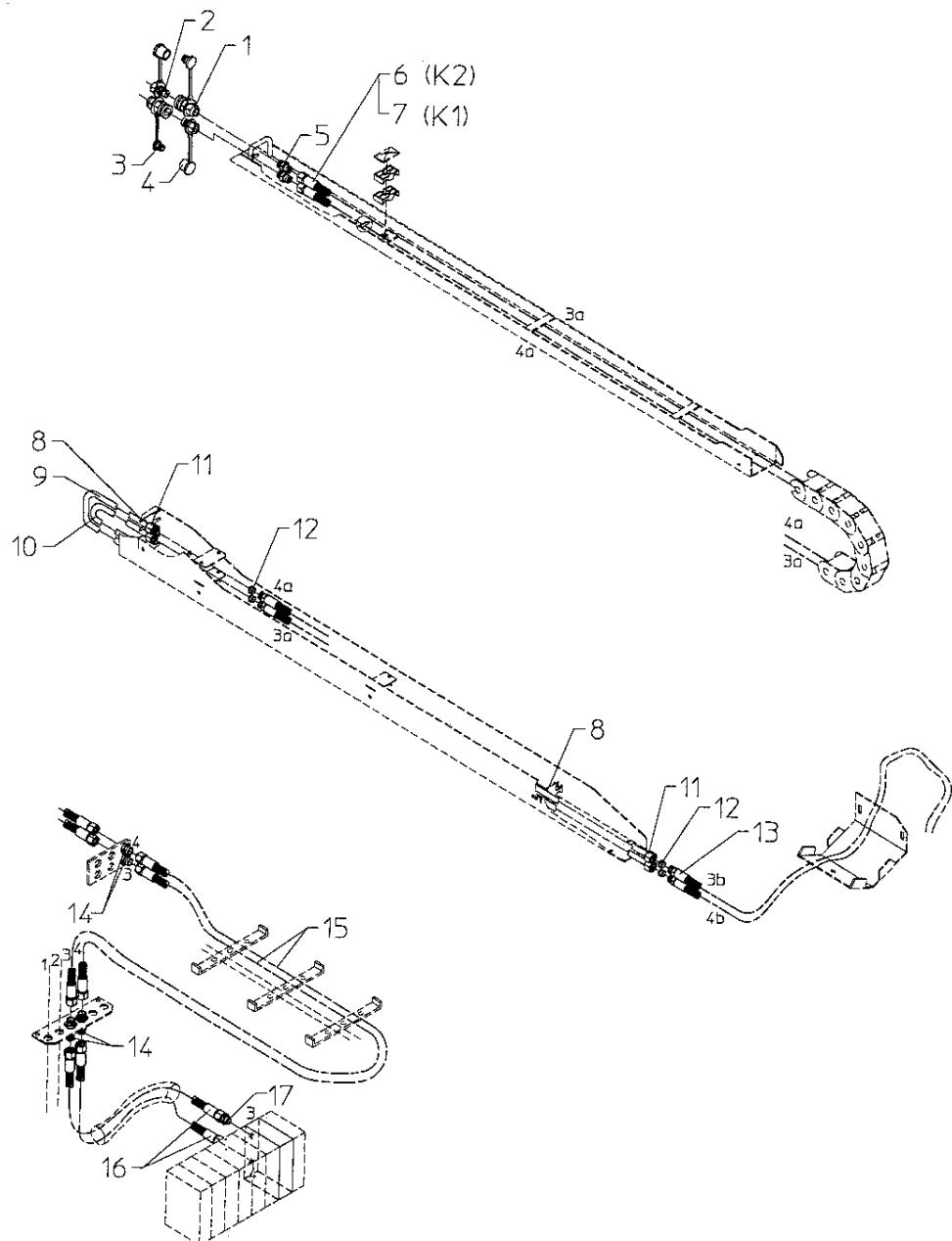
**1 EXTRA VALVE, K3-K4**

1.	60 619	QUICK-RELEASE CPLG, F 3/8"	2	26.	25 844	BACK RING TX-S 12	
2.	60 620	QUICK-RELEASE CPLG, M 3/8"	2	27.	62 849	HOSE 3/8" X 2850 S/S	2
3.	30 134	SET SCREW M8 X 25	4	28.	62 46 434	CLAMP	2
4.	31 755	WASHER 8 MM	8	29.	63 29 384	PIPE	2
5.	25 831	CONNECTION JIC F40XS12-3/8	2	30.	63 29 374	PIPE	2
6.	62 990	HOSE JIC 3/8" X 4200 S/L		31.	30 196	STEEL BOLT M6 X 80	7
7.	30 140	STEEL BOLT M8 X 55	1	32.	62 46 513	BRACKET	1
8.	31 155	SPRING WASHER 8 MM	1	33.	30 153	SET SCREW M10 X 16	5
9.	31 808	DOUBLE CLAMP 2 X 18 MM	1	34.	56 009	HOSE 3/8 X 1100 S/L	2
10.	62 46 473	PROTECTIVE PLATE		35.	61 79 583	PROTECTIVE PLATE	1
11.	30 199	STEEL BOLT M6 X 65	2	36.	28 909	RUBBER BUSHING 4M 15096	
12.	62 46 413	MTG FITTINGS, TOP	1	37.	30 124	STEEL BOLT M6 X 90	1
13.	60 621	DUST CAP, M 3/8"	2	38.	25 824	BLKHD CONN JIC WTX-WLNS12	4
14.	60 622	DUST CAP, F 3/8"	2	39.	62 601	PROT COVER 145 X 1530 MM	1
15.	30 165	STEEL BOLT M10 X 45	5	40.	56 007	HOSE 3/8" X 2450 L/L	2
16.	31 756	WASHER 10 MM	10	41.	25 832	CONN, JIC F40XS12-1/2	2
17.	62 46 553	BRACKET	1	42.	27 596	NYLON DRAG CHAIN 21/75 47 LED	
18.	30 886	LOCK NUT M8	4	43.	27 594	NYLON DRAG CHAIN 21/75 25 LED	
19.	30 888	LOCK NUT M10	7	44.	27 595	NYLON DRAG CHAIN 21/75 47 LED	
20.	30 884	LOCK NUT M6	16	45.	62 46 443	PROT PLATE	
21.	31 134	WASHER 6 MM	16	46.	62 985	HOSE JIC 3/8" X 2350 S/L	
22.	62 46 404	MTG PLATE	7	47.	62 864	HOSE, JIC 3/8" X 3900 O/O	2
23.	62 46 581	PROT. PLATE	2	48.	30 120	STEEL BOLT M6 X 60	4
24.	62 46 424	CLAMP	2	49.	31 177	WASHER 21 X 10.5 X 2	3
25.	25 845	CPLG NUT BTX-S 12		50.	31 156	SPRING WASHER 10 MM	3



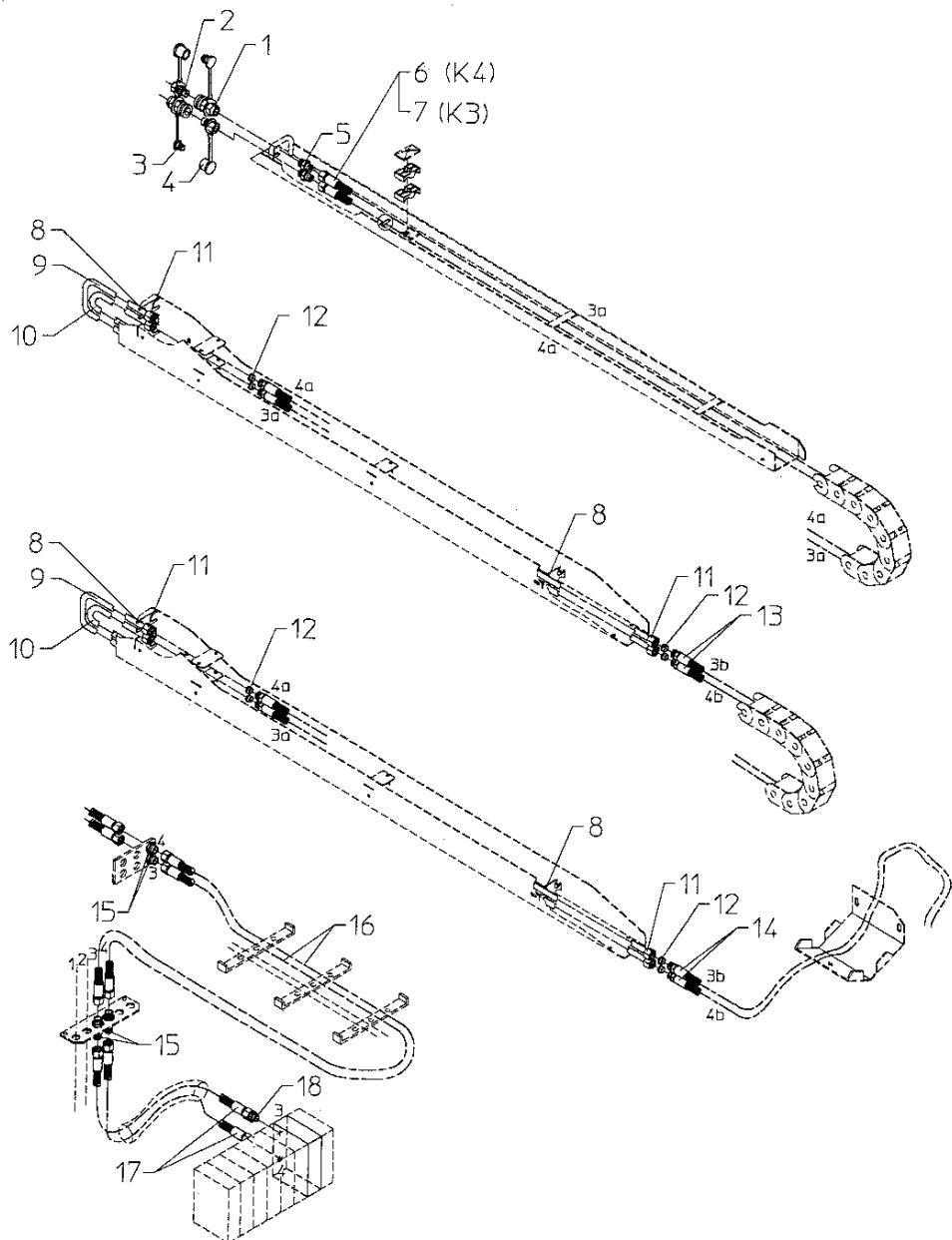
**SUPPLEMENTARY KIT FOR 2 EXTRA VALVES,  
K1-K2**

- |     |           |                             |   |
|-----|-----------|-----------------------------|---|
| 1.  | 60 619    | QUICK-RELEASE CPLG F 3/8"   | 2 |
| 2.  | 60 620    | QUICK-RELEASE CPLG M 3/8"   | 2 |
| 3.  | 60 621    | DUST CAP M 3/8"             | 2 |
| 4.  | 60 622    | DUST CAP F 3/8"             | 2 |
| 5.  | 25 831    | CONNECTION, JIC F40XS12-3/8 | 2 |
| 6.  | 62 989    | HOSE JIC 3/8" X 4000 S/L    |   |
| 7.  | 62 985    | HOSE JIC 3/8" X 2350 S/L    |   |
| 8.  | 28 909    | RUBBER BUSHING RM 15096     |   |
| 9.  | 63 29 384 | PIPE                        | 1 |
| 10. | 63 29 374 | PIPE                        | 1 |
| 11. | 25 845    | COUPLING NUT BTX-S 12       |   |
| 12. | 25 844    | BACK RING TX-S 12           |   |
| 13. | 56 009    | HOSE 3/8 X 1100 S/L         | 2 |
| 14. | 25 824    | BLKHD CONN, JIC WTX-WLNS12  | 4 |
| 15. | 62 864    | HOSE JIC 3/8" X 3900 O/O    | 2 |
| 16. | 56 007    | HOSE 3/8" 2450 L/L          | 2 |
| 17. | 25 832    | CONNECTION JIC F40XS12-1/2  | 2 |



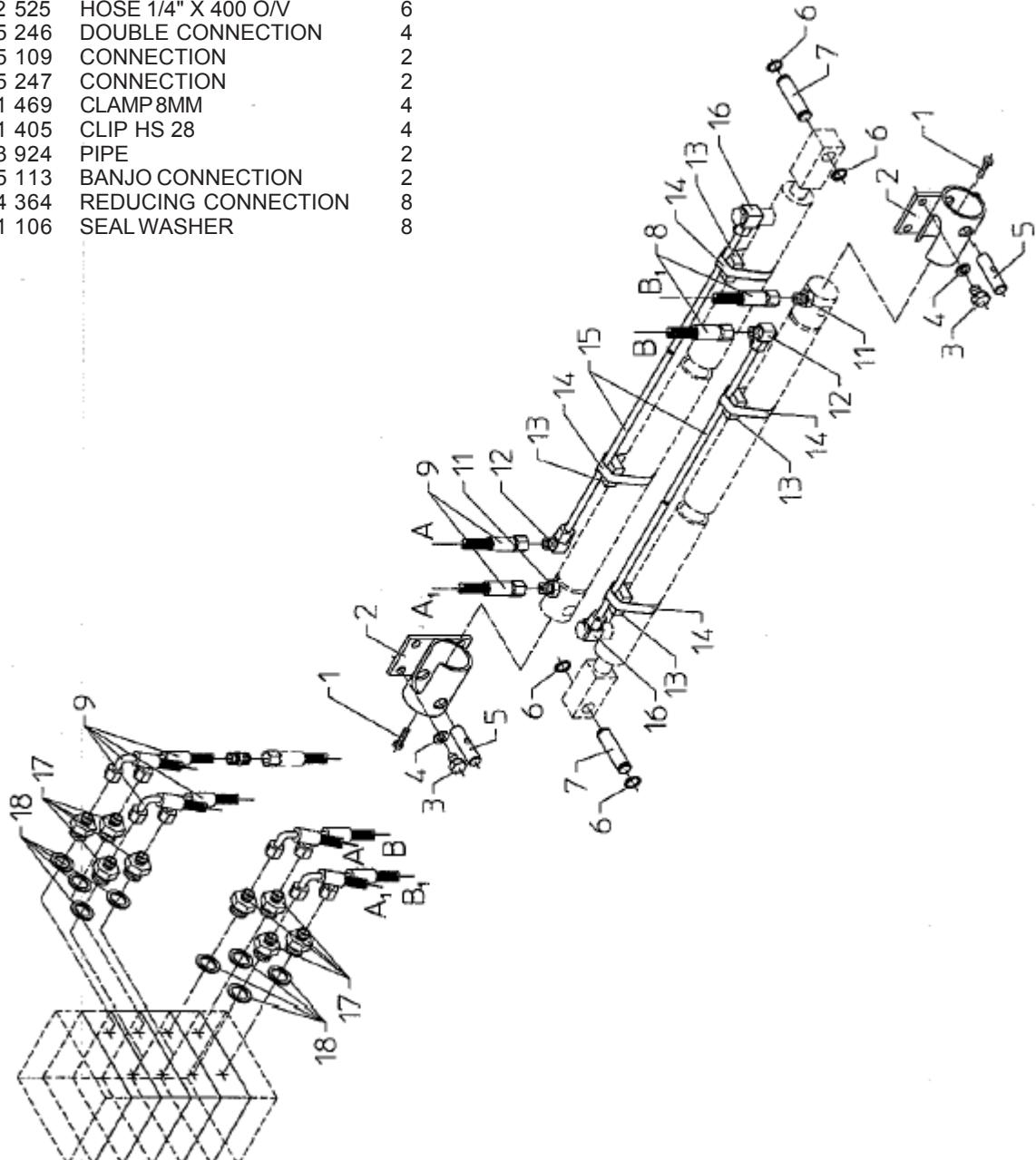
#### **SUPPLEMENTARY KIT FOR 2 EXTRA VALVES, K3-K4**

- |     |           |                             |   |
|-----|-----------|-----------------------------|---|
| 1.  | 60 619    | QUICK-RELEASE CPLG F 3/8"   | 2 |
| 2.  | 60 620    | QUICK-RELEASE CPLG M 3/8"   | 2 |
| 3.  | 60 621    | DUST CAP M 3/8"             | 2 |
| 4.  | 60 622    | DUST CAP F 3/8"             | 2 |
| 5.  | 25 831    | CONNECTION, JIC F40XS12-3/8 | 2 |
| 6.  | 62 990    | HOSE JIC 3/8" X 4200 S/L    |   |
| 7.  | 62 985    | HOSE JIC 3/8" X 2350 S/L    |   |
| 8.  | 28 909    | RUBBER BUSHING RM 15096     |   |
| 9.  | 63 29 384 | PIPE                        | 2 |
| 10. | 63 29 374 | PIPE                        | 2 |
| 11. | 25 845    | COUPLING NUT BTX-S 12       |   |
| 12. | 25 844    | BACK RING TX-S 12           |   |
| 13. | 62 849    | HOSE 3/8 X 2850 S/S         | 2 |
| 14. | 56 009    | HOSE 3/8" X 1100 S/L        | 2 |
| 15. | 25 824    | BLKHD CONN, JIC WTX-WLNS12  | 4 |
| 16. | 62 864    | HOSE JIC 3/8" X 3900 O/O    | 2 |
| 17. | 56 007    | HOSE 3/8" 2450 L/L          | 2 |
| 18. | 25 832    | CONNECTION JIC F40XS12-1/2  | 2 |



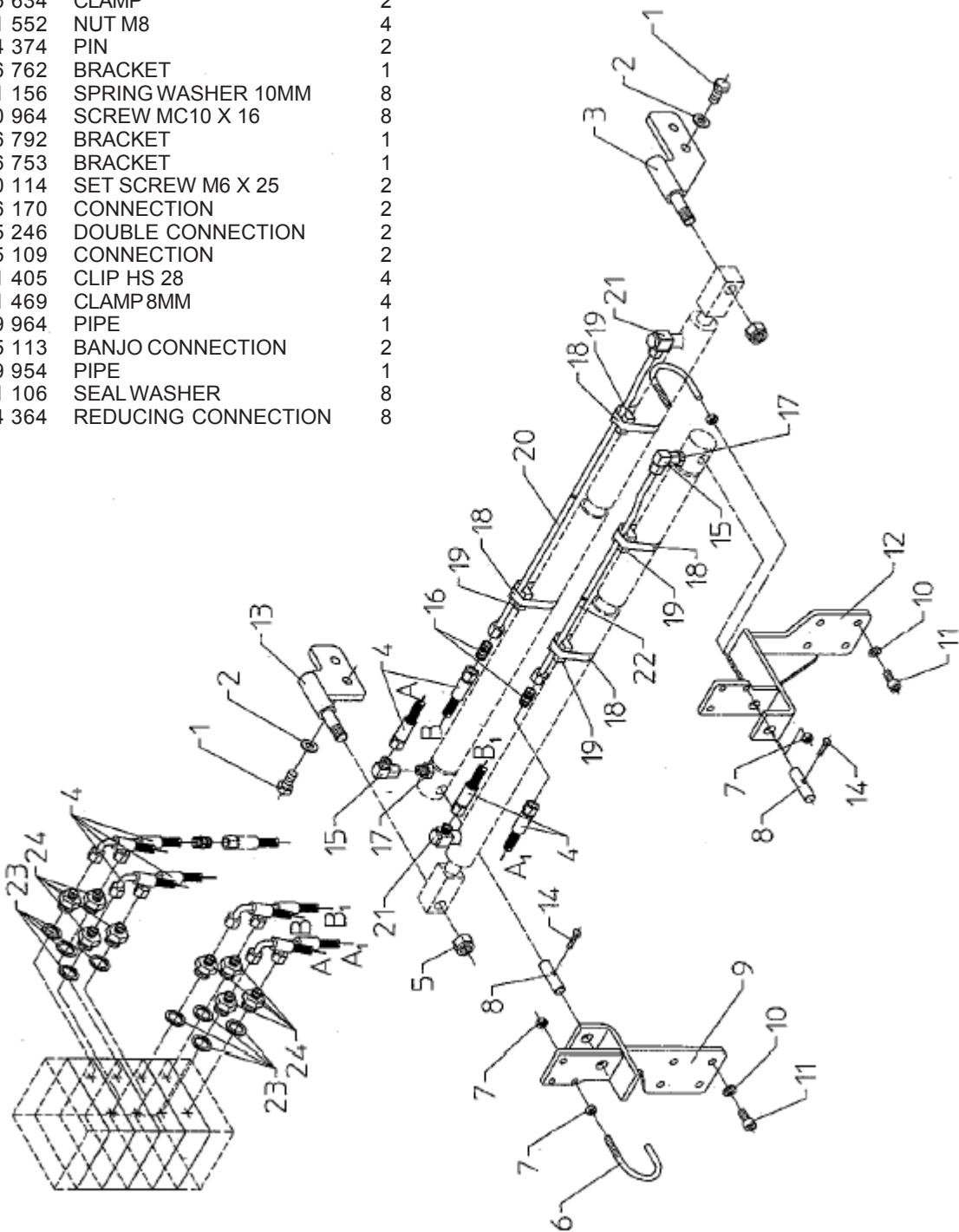
**HYDRAULIC SYSTEM, BEAM CYLINDER, TYPE  
SV/SR**

1.	30 114	SET SCREW M6X25	2
2.	61 74 344	CYLINDER BRACKET	2
3.	30 152	SET SCREW M10X14	8
4.	31 156	SPRING WASHER 10 MM	8
5.	61 74 374	PIN	2
6.	33 105	SNAP RING	4
7.	61 74 364	PIN	2
8.	62 527	HOSE 1/4" X 2500 V/O	2
9.	62 525	HOSE 1/4" X 400 O/V	6
10.	25 246	DOUBLE CONNECTION	4
11.	25 109	CONNECTION	2
12.	25 247	CONNECTION	2
13.	31 469	CLAMP 8MM	4
14.	31 405	CLIP HS 28	4
15.	60 43 924	PIPE	2
16.	25 113	BANJO CONNECTION	2
17.	61 34 364	REDUCING CONNECTION	8
18.	21 106	SEAL WASHER	8



**HYDRAULIC SYSTEM, BEAM CYLINDER, TYPE  
DV/DR**

1.	30 176	SET SCREW M12X25	4
2.	31 158	SPRING WASHER 12MM	4
3.	61 76 743	BRACKET	1
4.	62 525	HOSE 1/4" X 400 O/V	8
5.	31 959	LOCK NUT, SS M16	2
6.	61 75 634	CLAMP	2
7.	31 552	NUT M8	4
8.	61 74 374	PIN	2
9.	61 76 762	BRACKET	1
10.	31 156	SPRING WASHER 10MM	8
11.	30 964	SCREW MC10 X 16	8
12.	61 76 792	BRACKET	1
13.	61 76 753	BRACKET	1
14.	30 114	SET SCREW M6 X 25	2
15.	26 170	CONNECTION	2
16.	25 246	DOUBLE CONNECTION	2
17.	25 109	CONNECTION	2
18.	31 405	CLIP HS 28	4
19.	31 469	CLAMP 8MM	4
20.	61 79 964	PIPE	1
21.	25 113	BANJO CONNECTION	2
22.	61 79 954	PIPE	1
23.	21 106	SEAL WASHER	8
24.	61 34 364	REDUCING CONNECTION	8



12/89: DECKALKIT: 20001210  
**DECAL KIT-ENGLISH (95715498)**

PARTS-70

1. 70029251	IMT DIAMOND	2
2. 70391613	GREASE WEEKLY-RH	7
3. 70392813	DANGER-ELECTROCUTION	2
4. 70392814	DANGER-OPER TRAINING	2
5. 70392815	DANGER-OPERATION	2
6. 70392863	DANGER-HOISTING PERS	2
7. 70392864	WARNING-STAB STD CLR	2
8. 70392865	DANGER-ELEC HAZARD-LG	4
9. 70392866	DANGER-OPER COND	2
11. 70392868	DANGER-CRANE LOADLINE	4
12. 70392888	DANGER-OPER RESTRICT	2
13. 70392890	DANGER-STOW/UNFOLD	2
14. 70392891	DANGER-DRIVELINE	2
15. 70394189	OIL RECOMMENDATIONS	1
16. 70394670	IMT MATL HNDLNG SYS	2
17. 70029119	SERIAL NUMBER	1

**DECAL KIT-SPANISH (95715499)**

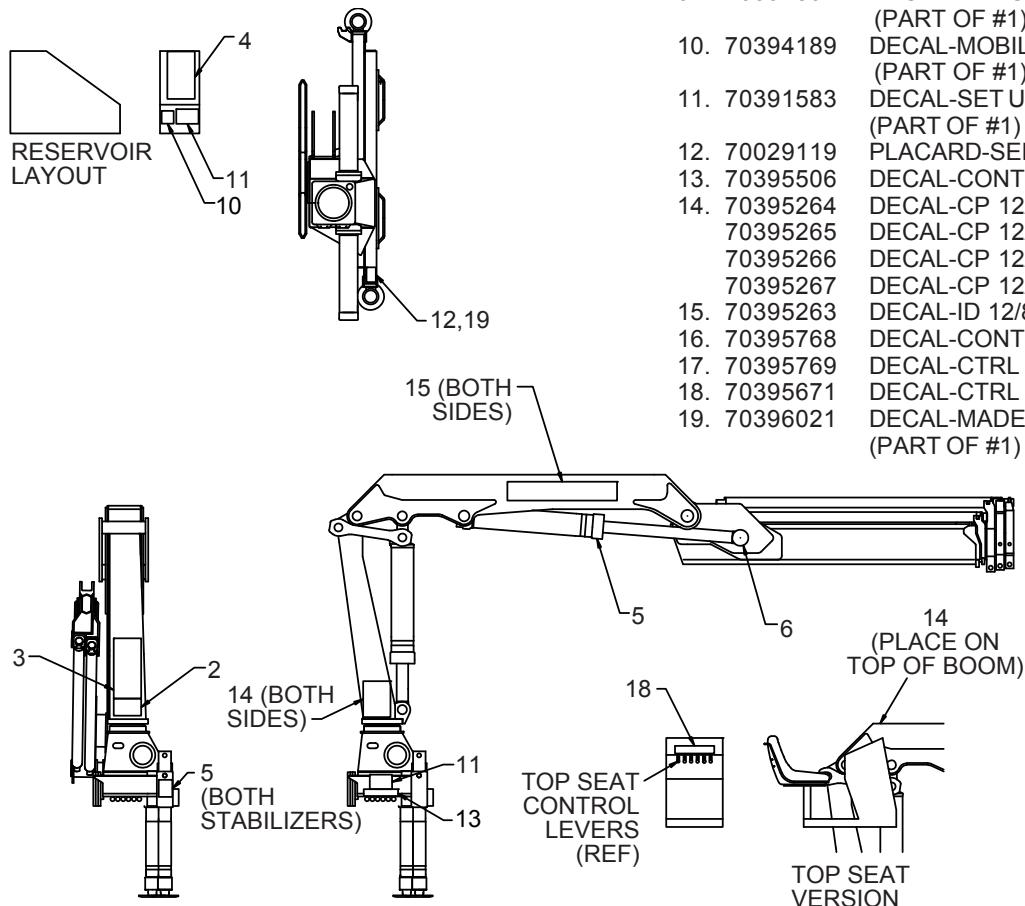
1. 70029251	IMT DIAMOND	2
2. 76393551	GREASE WEEKLY-RH	7
3. 70393516	DANGER-ELECTROCUTION	2
4. 70393515	DANGER-OPER TRAINING	2
5. 70393514	DANGER-OPERATION	2
6. 70394756	DANGER-HOISTING PERS	2
7. 70393513	DANGER-STAB STD CLR	2
8. 70394633	DANGER-ELEC HAZARD-LG	4
9. 70393511	DANGER-OPER COND	2
10. 70393510	DANGER-STAB MOVING	2
11. 70394775	DANGER-CRANE LOADLINE	4
12. 70393509	DANGER-OPER RESTRICT	2
13. 70393507	DANGER-STOW/UNFOLD	2
14. 70393508	DANGER-DRIVELINE	2
15. 70394189	OIL RECOMMENDATIONS	1
16. 70394670	IMT MATL HNDLNG SYS	2
17. 70029119	SERIAL NUMBER	1

**DECAL KIT-FRENCH (95715500)**

1. 70029251	IMT DIAMOND	2
2. 70393840	GREASE WEEKLY-RH	7
3. 70393836	DANGER-ELECTROCUTION	2
4. 70393829	DANGER-OPER TRAINING	2
5. 70393833	DANGER-OPERATION	2
6. 70393844	DANGER-HOISTING PERS	2
7. 70393828	DANGER-STAB STD CLR	2
8. 70394627	DANGER-ELEC HAZARD-LG	4
9. 70393830	DANGER-OPER COND	2
10. 70393831	DANGER-STAB MOVING	2
11. 70393848	DANGER-CRANE LOADLINE	4
12. 70393832	DANGER-OPER RESTRICT	2
13. 70393835	DANGER-STOW/UNFOLD	2
14. 70393834	DANGER-DRIVELINE	2
15. 70394189	OIL RECOMMENDATIONS	1
16. 70394670	IMT MATL HNDLNG SYS	2
17. 70029119	SERIAL NUMBER	1

Decal Placement (if not shown on crane)	
ITEM #	LOCATION
6,7	One on all four sides of carrier vehicle.
9	At or near driveline.
16	See note. On streetside stabilizer valvebank.
17	See note. On curbside stabilizer valvebank.
8	On curbside control handles.

Note: Item #14 is dependent on crane configuration.



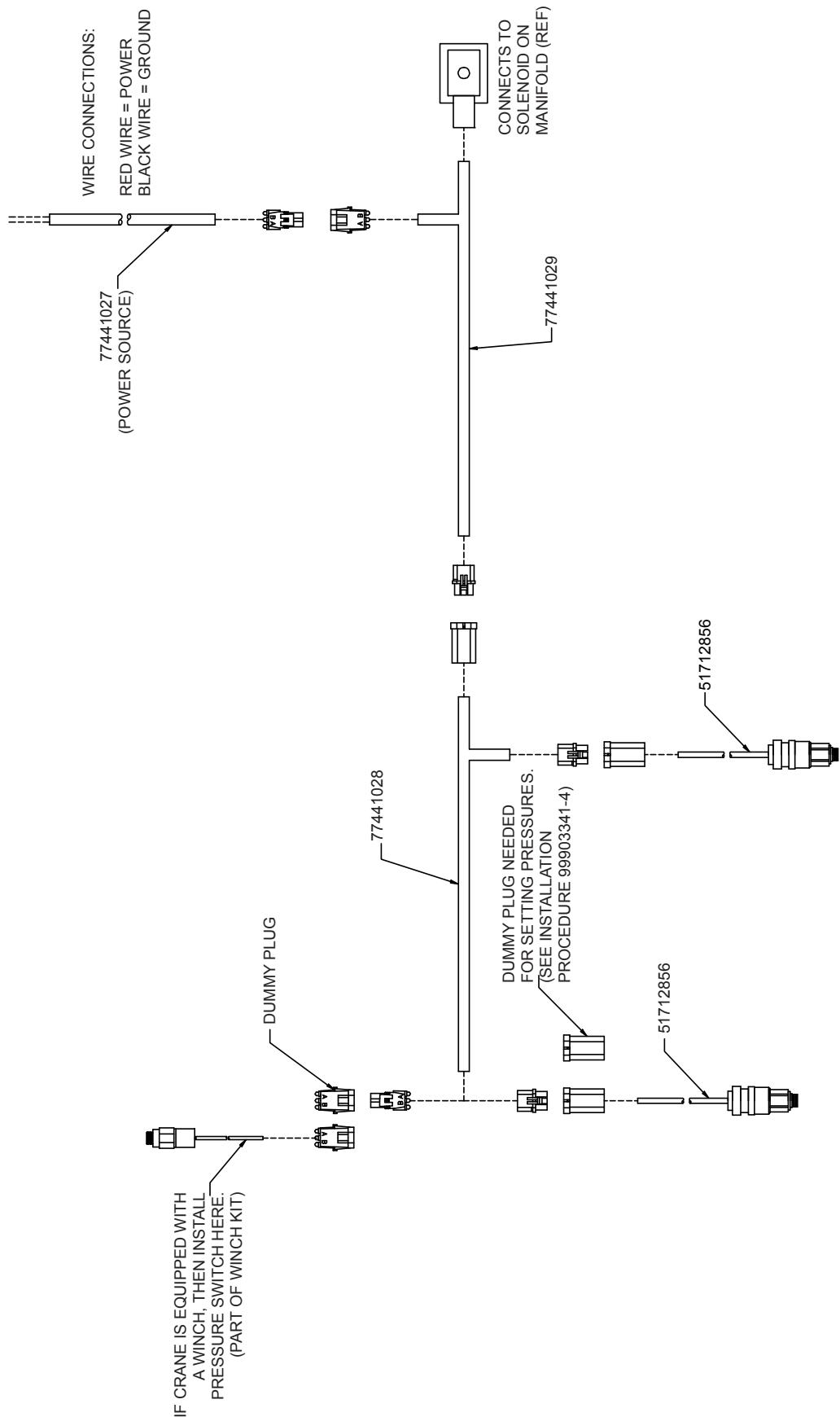
### DECAL KIT (KIT 95716095/DWG 99903223)

1. 95720380	DECAL KIT - COMMON	1	
2. 70397054	DECAL-GREASE, 11-12 TM	1	
3. 70396918	DECAL-DANGER LARGE ARTICULATING (PART OF #1)	1	
4. 70396919	DECAL-DANGER SMALL ARTICULATING (PART OF #1)	1	
5. 70392864	DECAL-WARNING STABILIZER STAND CLEAR (PART OF #1)	2	
6. 70392865	DECAL-DANGER ELEC HAZARD LG (PART OF #1)	4	
7. 70392868	DECAL-WARNING CR LOADLINE (PART OF #1)	4	
8. 70395542	DECAL-CONTROL CIRCLES	1	
9. 70392891	DECAL-DANGER DRIVELINE (PART OF #1)	2	
10. 70394189	DECAL-MOBILOIL RESERVOIR (PART OF #1)	1	
11. 70391583	DECAL-SET UP/STOW INSTR. (PART OF #1)	2	
12. 70029119	PLACARD-SERIAL NO.	1	
13. 70395506	DECAL-CONTROLS SS	1	
14. 70395264	DECAL-CP 12/89 1H	2REF	
	70395265	DECAL-CP 12/89 2H	2REF
	70395266	DECAL-CP 12/89 3H	2REF
	70395267	DECAL-CP 12/89 4H	2REF
15. 70395263	DECAL-ID 12/89 SERIES	2	
16. 70395768	DECAL-CONTROL PWR O/R	1REF	
17. 70395769	DECAL-CTRL P/O CS	1REF	
18. 70395671	DECAL-CTRL CHAIR MT	1REF	
19. 70396021	DECAL-MADE IN DENMARK (PART OF #1)	1	

### DECAL KIT-12/89 (95716095) (THRU 4-07)

99903223	DRAWING-DECAL KIT	REF				
1. 70029251	IMTDIAMOND	2	16. 70392891	DANGER-DRIVELINE	2	
2. 70392813	DANGER-ELECTROCUTION	2	17. 70394189	OIL RECOMMENDATIONS	1	
3. 70392814	WARNING-OPER TRAINING	2	18. 70394670	IMT MATL HNDLNG SYS	2	
4. 70392815	DANGER-OPERATION	2	19. 70391583	DECAL-SET UP/STOW INSTR	2	
5. 70391612	GREASE WEEKLY-LH	3	20. 70029119	PLACARD-SERIAL NUMBER	1	
6. 70391613	GREASE WEEKLY-RH	9	21. 70395506	DECAL-CTRL SS	1	
7. 70392863	WARNING-HOISTING PERS	2	22. 70395264	DECAL-CP 12/89K1	2REF	
8. 70392864	WARNING-STAB STD CLR	2		70395265	DECAL-CP 12/89K2	2REF
9. 70392865	DANGER-ELEC HAZARD-LG	4		70395266	DECAL-CP 12/89K3	2REF
10. 70392866	WARNING-OPER COND	2		70395267	DECAL-CP 12/89K4	2REF
12. 70392868	WARNING-CRANE LOADLINE	4	23. 70395263	DECAL-ID 12/89 SERIES	2	
13. 70392888	WARNING-OPER RESTRICT	2	24. 70392108	DECAL-SUCTION LINE	1	
14. 70395542	DECAL-CTRL CIRCLES	1	25. 70392109	DECAL-RETURN LINE	1	
15. 70392890	DANGER-STOW/UNFOLD	2	26. 70395768	DECAL-CTRL-PWR OUT OR	1REF	
			27. 70395769	DECAL-CTRL-PWR OR-CS	1REF	
			28. 70395671	DECAL-CTRL-CHAIR MOUNT	1REF	

**OVERLOAD SHUTDOWN - STAND ALONE**  
**(99903341-1)**



**OVERLOAD SHUTDOWN W/RADIO REMOTE  
(99903341-2)**

PARTS-73



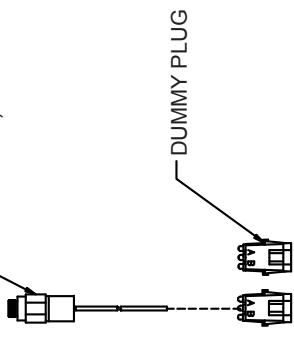
## POWER SOURCE CONNECTION DETAIL

CONNECTS TO MANIFOLD (REF)

OUTER INNER ROTATION  
UP CCW  
DN CWUP J4  
DN J5  
J6UP J2  
DN J3  
J1UP J9  
DN J10  
J7UP J11  
DN J12  
J8UP J10  
DN J11  
J12UP J11  
DN J12  
J13UP J12  
DN J13  
J1UP J13  
DN J1  
J13UP J1  
DN J13  
J13

IF CRANE IS EQUIPPED WITH WINCH, INSTALL PRESSURE SWITCH HERE (PART OF WINCH KIT)

DUMMY PLUG

77044996  
 51712856  
 51712856  
 77441028

CONNECTS TO MANIFOLD (REF)

PROPN  
UP  
DN  
J13UP J2  
DN J3  
J1UP J9  
DN J10  
J7UP J11  
DN J12  
J8UP J10  
DN J11  
J12UP J11  
DN J12  
J13UP J12  
DN J13  
J1UP J13  
DN J1  
J13UP J1  
DN J13  
J13

77044996

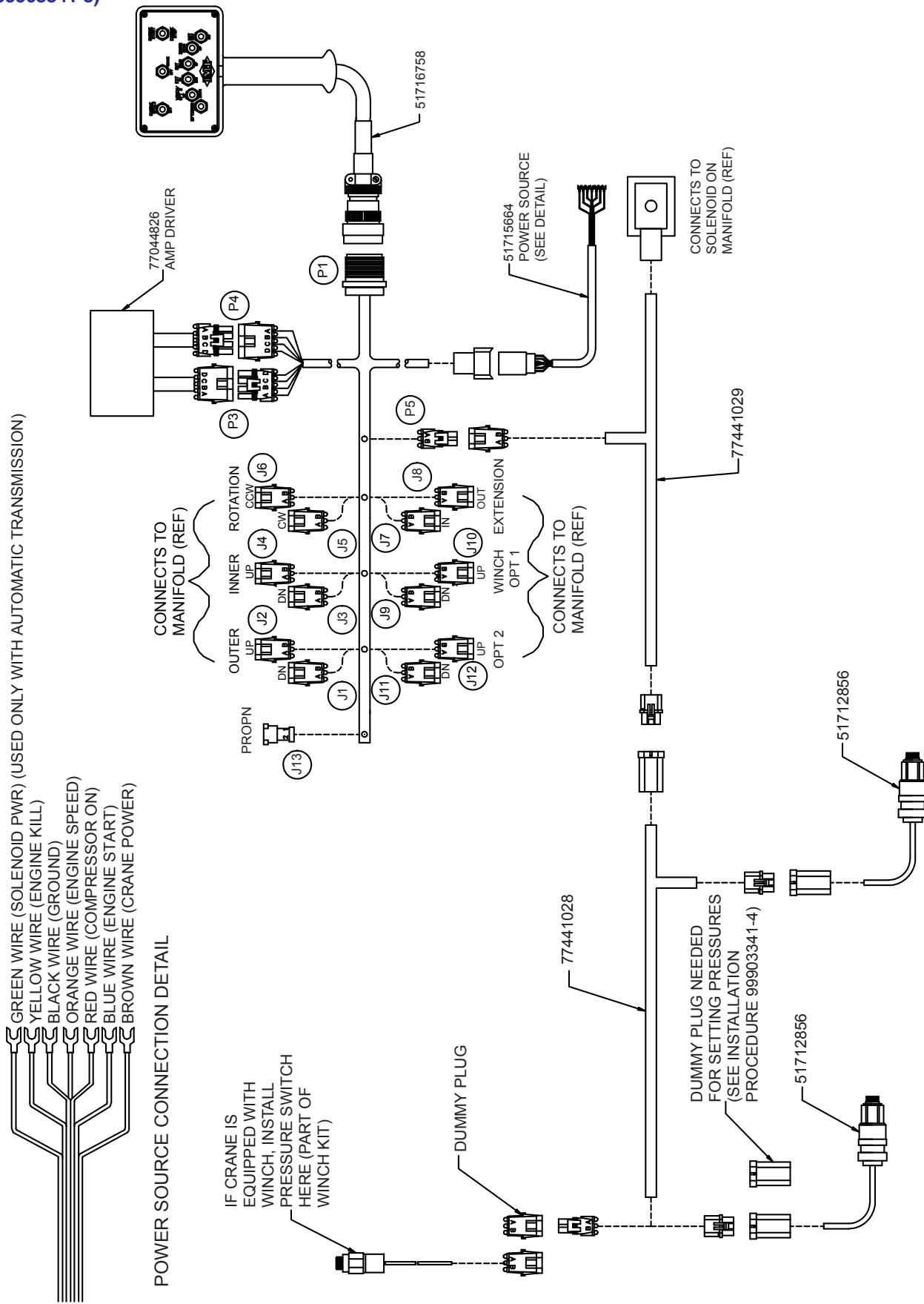
51715664  
 POWER SOURCE  
 (SEE DETAIL)CONNECTS TO  
 SOLENOID ON  
 MANIFOLD (REF)73733600  
 RADIO REMOTE  
 SYSTEM

77441029

DUMMY PLUG NEEDED  
 FOR SETTING PRESSURES  
 (SEE INSTALLATION  
 PROCEDURE 99903341-4)

51712856

51712856

**OVERLOAD SHUTDOWN W/TETHERED REMOTE  
(99903341-3)**


**OVERLOAD SHUTDOWN INSTALL INSTRUCTIONS  
(99903341-4)**

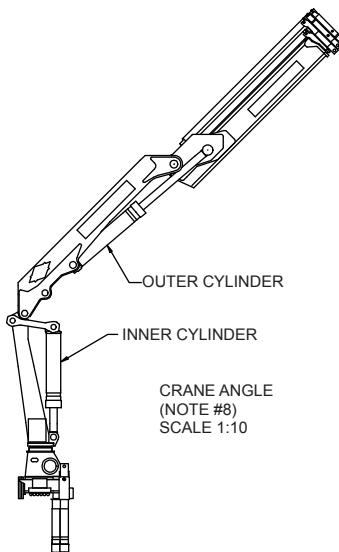
Notes:

1. Set pressure switches to the initial setting indicated per crane model. (see chart)
2. Before proceeding further, make sure all overload shutdown components are installed.
3. Install correct pressure switch (using chart) into the inner and the outer cylinders.
4. Install inner cylinder pressure switch and plug it into the harness as indicated on drawings 99903341-1 through 3.
5. Install dummy plug (supplied with harness) into outer cylinder pressure switch location.
6. With a rated load attached, (using capacity chart, find the load where the extension booms extend to approximately mid-stroke (keeping the extension booms in a horizontal position.)) With the crane rotated to a position where the unit is stable, set the inner boom at approximately 15° above horizontal and the outer boom at the horizontal position. (Keep extension booms retracted.)
7. Now extend the extension booms out until the overload activates. Check to see that neither the inner or outer boom cylinders are drifting. If booms are drifting, decrease the setting on the inner boom pressure switch until the drifting stops. Continue extending booms until inner boom does not drift. Double check the capacity chart length with the crane to see that the load is correct for the crane. If not, adjust pressure accordingly .
8. Remove the outer boom dummy plug from the harness. Connect the outer boom pressure switch. Raise the inner boom to 45 - 50° above horizontal. raise the outer boom to the same angle (see the crane angle detail.) Starting with the extension booms fully retracted, extend the booms until the crane goes into overload. The outer boom should not drift. If the outer boom drifts, adjust the outer boom pressure switch. Repeat the procedure. Double check the capacity chart to see that the crane is lifting the correct load. If not, adjust pressure switched accordingly .
9. Tighten locking screws on both inner and outer pressure switches.

CRANE MODEL	MAIN RELIEF PSI	INNER CYL R/V PSI	INNER CYL C/B PSI	OUTER CYL R/V PSI	OUTER CYL C/B (PSI)	INNER CYL SWITCH (PSI)	OUTER CYL SWITCH (PSI)
4/29	3842	3842	4277	3842	4350	4100	4000
5/35	3842	3842	4277	3842	4350	4100	4000
6/45	3842	3842	4277	3842	4350	4100	4000
7/51	4060	4350	4423	3915	3988	4200	3600
9/63	4568	4713	4931	3988	3988	4750	3600
11/76	3843	NONE	4205	3988	4350	4000	4000
12/89	3843	NONE	4350	3988	3988	4150	3600
15/113	4060	NONE	5075	4350	4570	4850	4200
16/117	3915	NONE	5075	4350	4495	4850	4200

NOTE:

This chart indicated setting for initial pressure switch starting points, except for the 12/89. The pressures for the 12/89 are the actual pressure settings. All cranes need to be tested for proper setting of pressure switches at the time of installation.



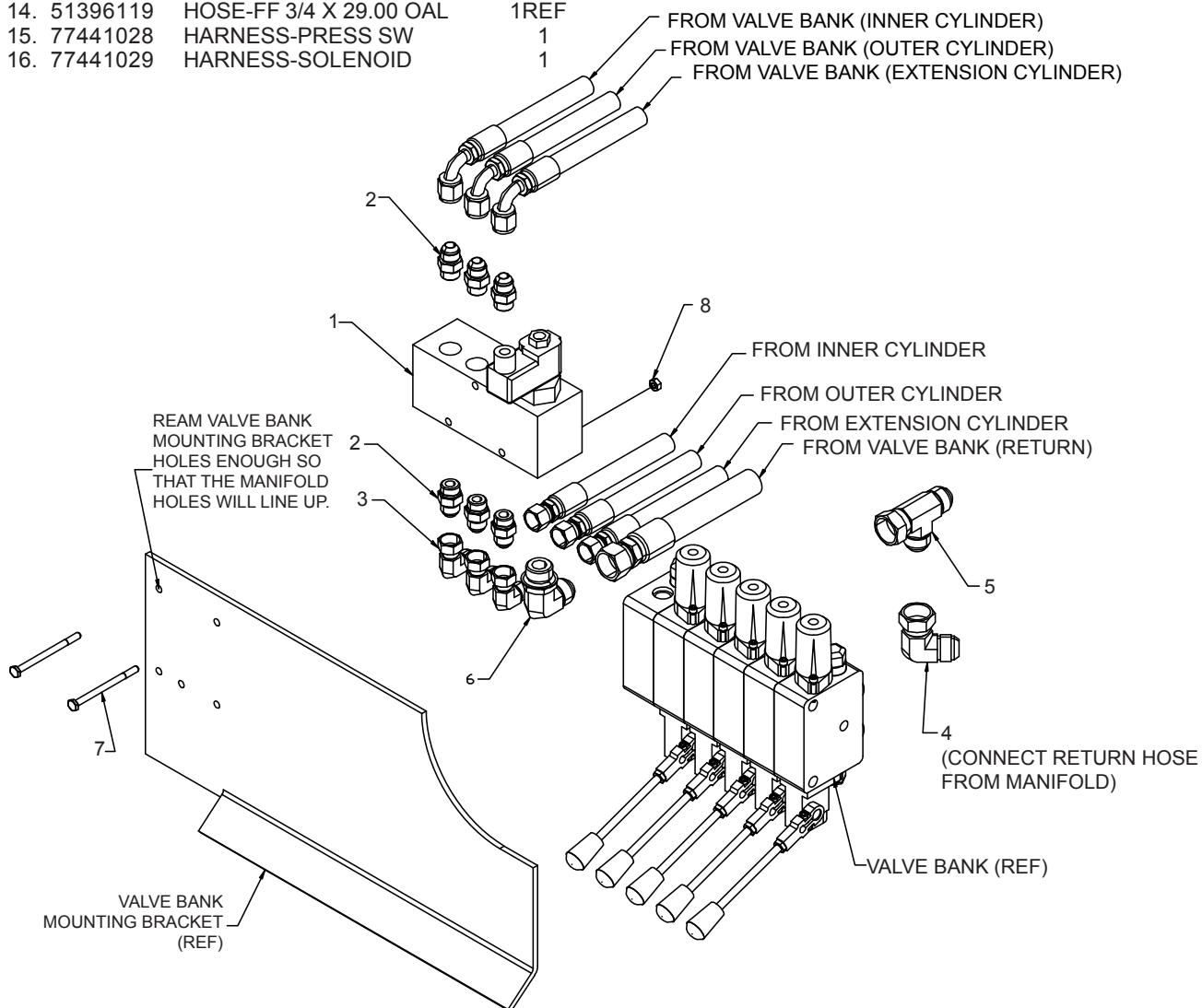
The system operates by sending 12 volts to the dump solenoid. If at any time the crane loses 12 volts or goes into overload, the following functions are inoperable:

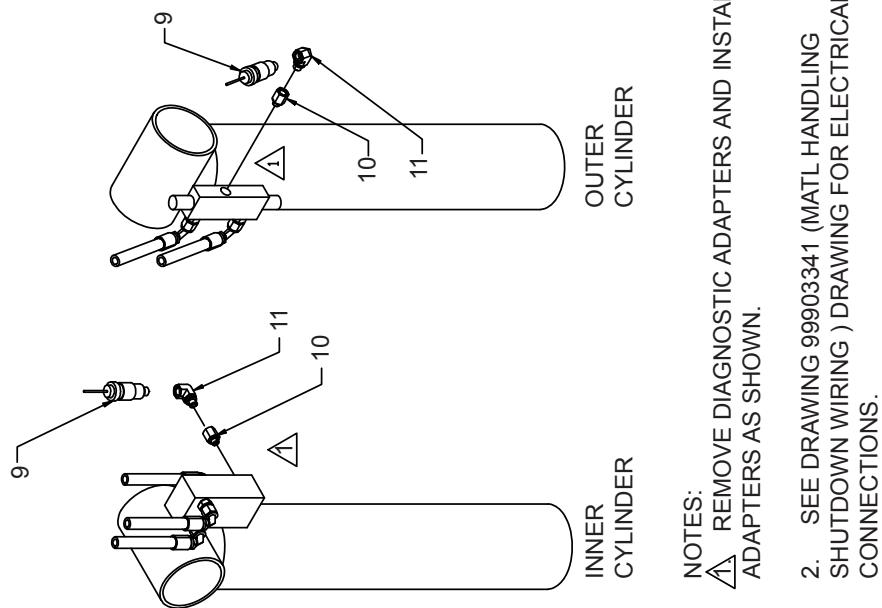
- Extension boom out
  - Inner boom down
  - Outer boom down
- All other functions will operate correctly.

The pressure switch settings must be lower than the cylinder load holding valve settings. This will allow the pressure switches to open up before the crane load holding valves, and will not allow the crane booms to lower in an overload condition.

**12/89 CRANE SHUTDOWN (99903342-1)**

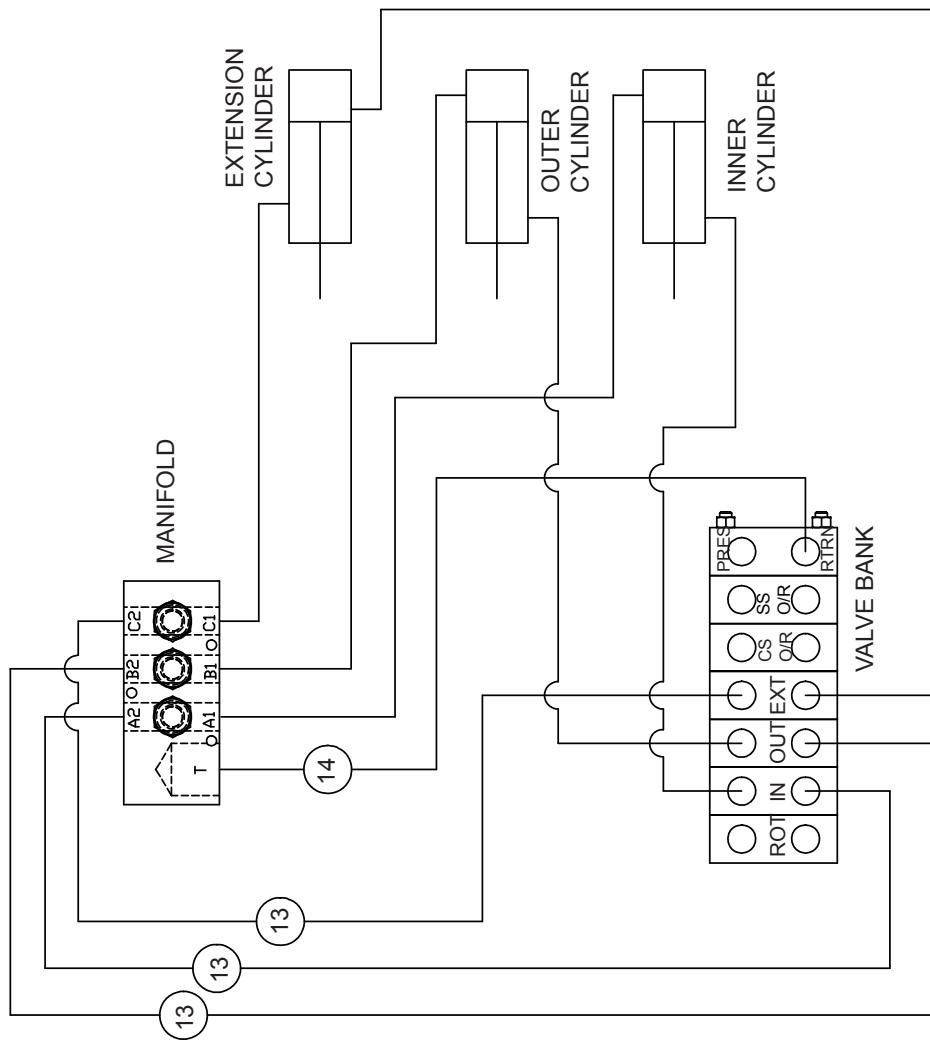
1. 73540085	VALVE BLOCK ASY	1
2. 72532358	ADPTR #8MSTR #8MJIC	6
3. 72532658	ELBOW #8MJIC #8FJIC SW	3
4. 72053767	ELBOW #12MSTR #12MJIC 90° 1	
5. 72532950	TEE-SWVL NUT RUN JIC 12	1
6. 72532696	ELBOW #12MJIC #12FJIC SW	1
7. 72060016	CAP SCR 1/4-20X4.00 HH GR5 Z	2
8. 72062104	NUT 1/4-20 HEX NYLOC	2
9. 51712856	PRESSURE SWITCH	2
10. 72533732	ADPTR 1/4 MBSSP 9/16 FSTR	2
11. 72533733	ADPTR 9/16 MSTR 9/16 FSTR 90° 2	
12. 51717203	HOSE KIT (INCL. 13,14)	1
13. 51396118	HOSE-FF 3/8 X 30.00 OAL	3REF
14. 51396119	HOSE-FF 3/4 X 29.00 OAL	1REF
15. 77441028	HARNESS-PRESS SW	1
16. 77441029	HARNESS-SOLENOID	1





NOTES:  
△ REMOVE DIAGNOSTIC ADAPTERS AND INSTALL  
ADAPTERS AS SHOWN.

2. SEE DRAWING 99903341 (MATL HANDLING  
SHUTDOWN WIRING ) DRAWING FOR ELECTRICAL  
CONNECTIONS.



12/89: 20111201

**POWER STABILIZER KIT INSTALLATION  
INSTRUCTIONS**

1. Remove stabilizer lock on crane curb-side.

PARTS-78



2. Remove nut on rod that comes through housing on both ends of crane base.



3. Remove the two bolts on the stabilizer stop.



12/89: 20111201

PARTS-79

4. Remove the two bolts and pin that hold the roller in place. Pull stabilizer halfway out. USING A HOIST OR SUPPORT, remove the stabilizer completely.



5. Remove this rod from the stabilizer. Set aside. This rod will not be used with the power-out kit.



6. Gather parts required to mount cylinder in stabilize leg. Parts required include:

Pin (1)  
Snap rings (2)  
Cylinder (1)



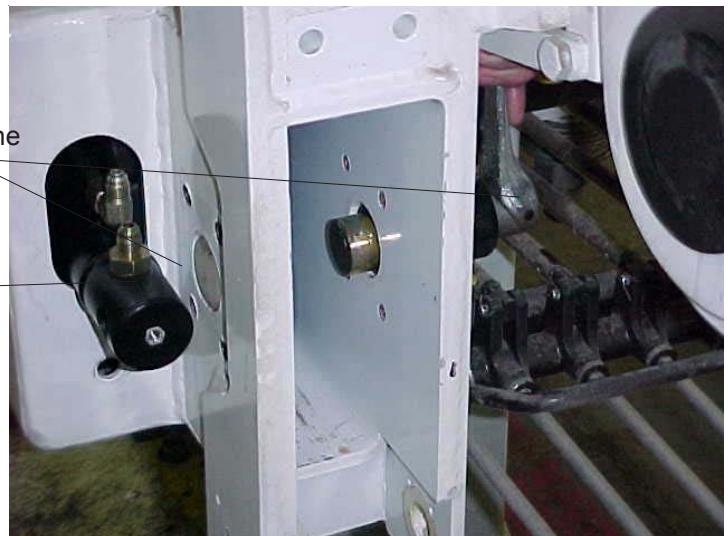
12/89: 20111201

PARTS-80

7. Install cylinder in stabilizer leg as shown.  
Note: Fittings must face upward.



8. Install the stabilizer lock (removed in Step 1 from the crane curb-side) and wear pad on the inside of the crane.



9. Slide stabilizer leg and cylinder into base. Make sure fittings face upward.



11. After sliding stabilizer back into the crane base, slide bracket on the end of the cylinder as shown. Pin bracket to cylinder, then bolt in place (4 bolts) to the crane base.



12. Once bracket is bolted in place, use 6 mm bolt to hold cylinder in place. This bolt tightens down flush to the bracket.



13. Bolt two-section valvebank onto base street side as shown.



14. Bolt control rod bracket to the base on the curbside of the crane.

12/89: 20020909

PARTS-82

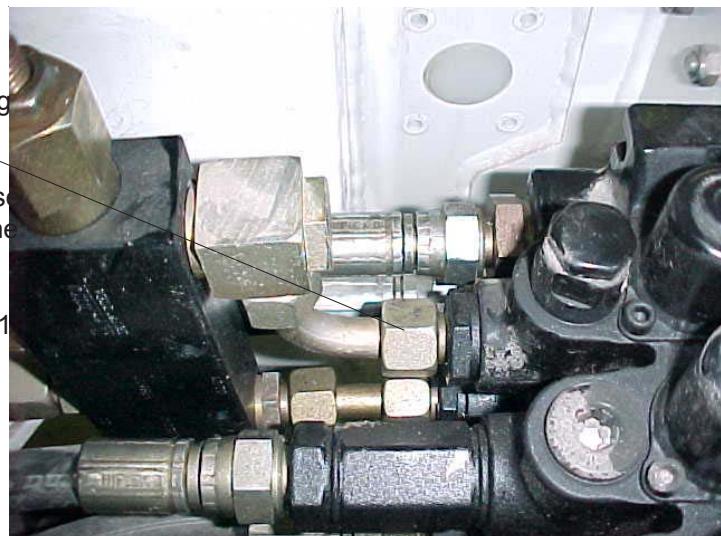
15. Install control rods and cross control rod.

See Step 17.

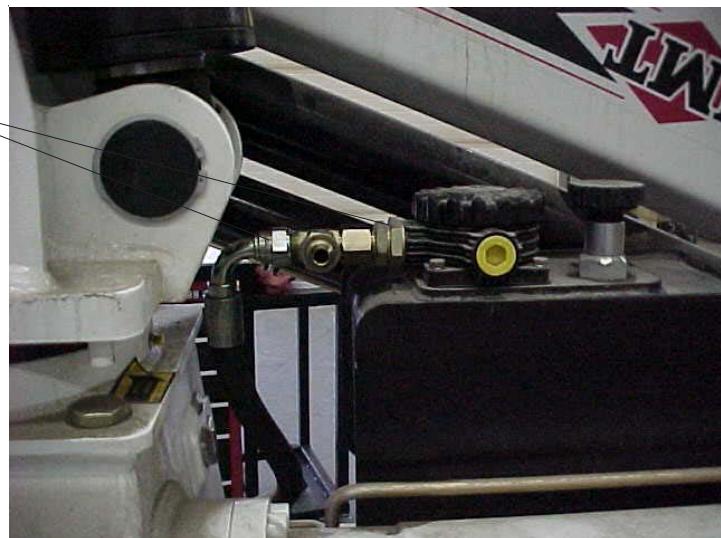


16. Port T1 is located on the valvebank bottom port next to the base. Remove the plug and screw in plug #61367. This must be installed to build up pressure so that the power stabilizers will function correctly. After installing plug, add fitting #25833. Connect hose #62848. The other end of the hose will connect to the two-section valvebank.

17. See top picture. The hose that runs from port T1 on the valvebank will connect to the top port on the two section valvebank.



18. Remove return hose from tank. Add fitting #25828. Reconnect return hose as shown.



12/89: 20020909

PARTS-83

19. Connect 1/2" x 52" hose to the bottom port on the two-section valvebank as shown. Run hose under the slew cylinder. This hose will connect to the T on the tank in step 18.



20. Run the 52" return hose from the two section valvebank to the tank on the front side of the crane as shown. Then, connect to the T on the tank.



21. Install four #5 fittings on valvebank.



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PARTS-84

22. The top set of hoses for the power-out cylinder control the curb side. The hose closest to the control handle connects on the base end of the cylinder

The other hose connects to the port tube on the cylinder.

The bottom set of hoses run to the street-side cylinder. The hose closest to the control lever connect to the base end of the cylinder

The other hose connects to the port tube on the cylinder.



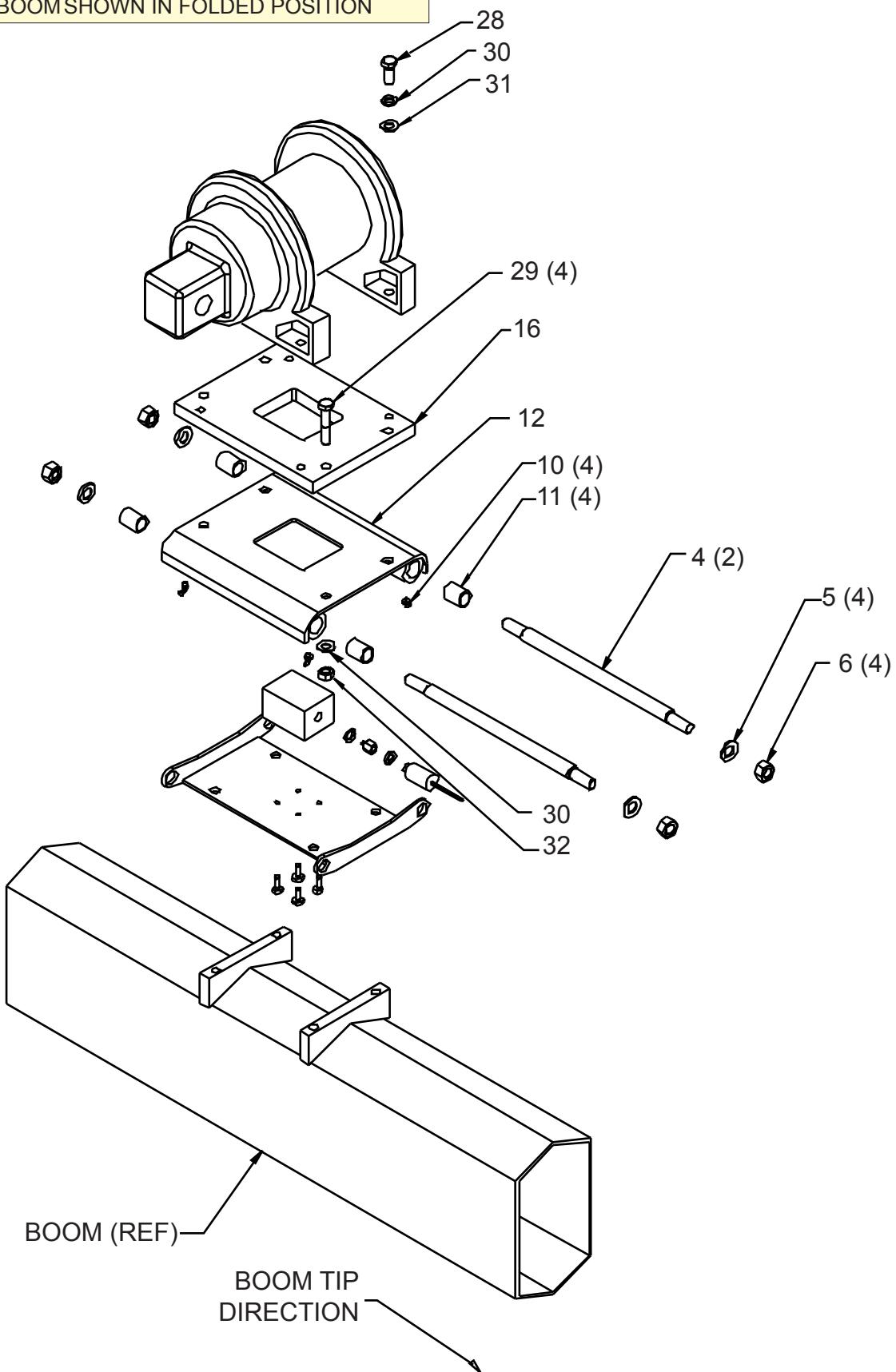
DRAWING SHOWN ON FOLLOWING PAGE

1.	70146287	KIT-ANTI 2 BLOCK	1
2.	68 86 840	MTG KIT-WINCH	1
3.	68 85 213	MTG BRKT (PART OF 2)	1REF
4.	68 85 244	PIN (PART OF 2)	2REF
5.	31 179	WASHER37X21X3MM (PART OF 2)	4REF
6.	30 894	NUT-LOCK M20 (PART OF 2)	4REF
7.	30 155	CAP SCR M10X25 (PART OF 2)	4REF
8.	31 164	WASHER-SPRING 14MM (PART OF 2)	4REF
9.	30 205	CAP SCR M14X25 (PART OF 2)	4REF
10.	31 322	ZERK 1/8NPT 90° (PART OF 2)	4REF
11.	23 307	BUSHING (PART OF 2)	4REF
12.	6885173	BRKT-SLIDER (PART OF 2) (WAS 6886633)	1REF
13.	68 85 120	HYD CELL (PART OF 2)	1REF
14.	72532963	ADAPTER #16MSTR #8FSTR	2
15.	72053763	ELBOW #8MSTR #8MJIC 90°	2
16.	60122941	SPACER	1
17.	72532358	ADAPTER #8MSTR #8MJIC	5
18.	72532361	ADAPTER #8MSTR #10MJIC	1
19.	72532658	ELBOW #8MJIC #8FJIC SW	5
20.	72533682	ELBOW #10MJIC #10FJIC SW	1
21.	72053767	ELBOW #12MSTR #12MJIC 90°	1
22.	59 178	VB SECTION (PART OF 2)	1REF
23.	59 586	ROD (PART OF 2)	3REF
24.	66 31 280	CROSS ROD ASM (PART OF 2)	1REF
25.	73540085	VB ASM (PART OF 1)	1REF
26.	71570646	WINCH (PART OF 1)	1REF
27.	77041614	PR SWITCH (PART OF 1)	1REF
28.	72601482	CAP SCR 5/8-11X2-1/2 HHGR8	4
29.	72060931	CAP SCR 5/8-11X2-3/4 HHGR8	4
30.	72063119	WASHER 5/8 FLAT HARD	8
31.	72063055	WASHER 5/8 LOCK	4
32.	72062091	NUT 5/8-11 LOCK	4
33.	25 832	ADAPTER MJIC/METRIC (PART OF 2)	2REF
34.	72532669	ADAPTER #8MJIC #10FJIC	1
35.	72533373	UNION-BULKHD 3/4JIC	4
36.	72533000	TEE 1-5/16JIC SWVNLNUTRUN	1
37.	51395984	HOSE-FF 3/8X154 #8#8 (PART OF 42)	2REF
38.	51395985	HOSE-FF 3/8X102 #8#8 (PART OF 42)	2REF
39.	51395986	HOSE-FF 3/8X48 #8#8 (PART OF 42)	2REF
40.	51395987	HOSE-FF 3/8X24 #8#8 (PART OF 42)	3REF
41.	51395988	HOSE-FF 3/4X12.5 #12#16 (PART OF 42)	1REF
42.	51716482	HOSE KIT (INCL:37-41)	1
43.	72060016	CAP SCR 1/4-20X4 HHGR5	3
44.	72062104	NUT 1/4-20 LOCK	3
45.	30 888	NUT M10 LOCK (PART OF 2)	3REF
46.	70395989	DECAL-CTRL SS WINCH	1
47.	70395990	DECAL-CTRL CS WINCH	1
48.	6886834	ADAPTER-CONVERSION (PART OF 2)	1REF
49.	21102	SEAL WASHER (PART OF 2)	2REF
50.	51716903	HARNESS-WINCH 15/113	1

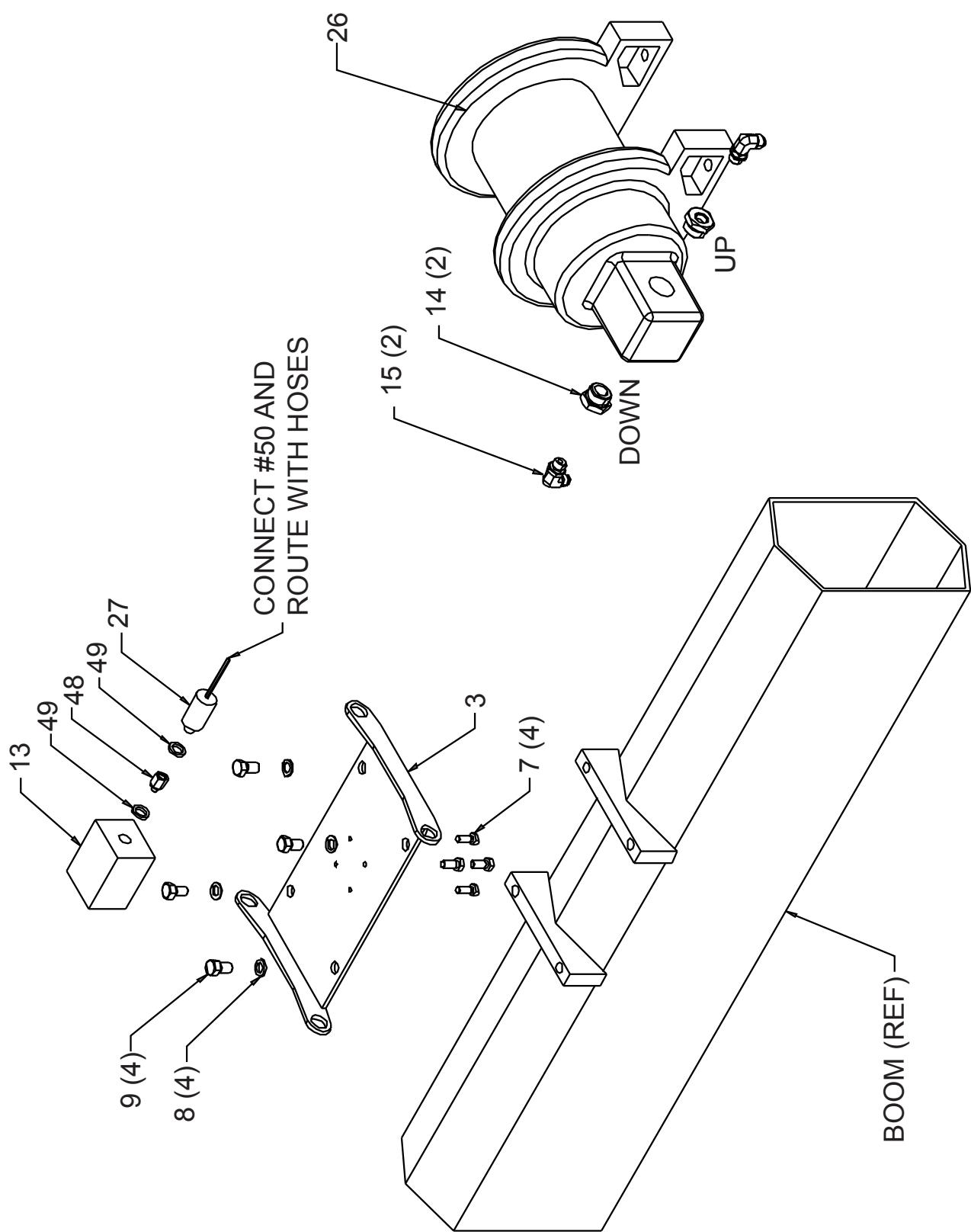
**NOTE: FOR 12/89 MODEL CRANE:**

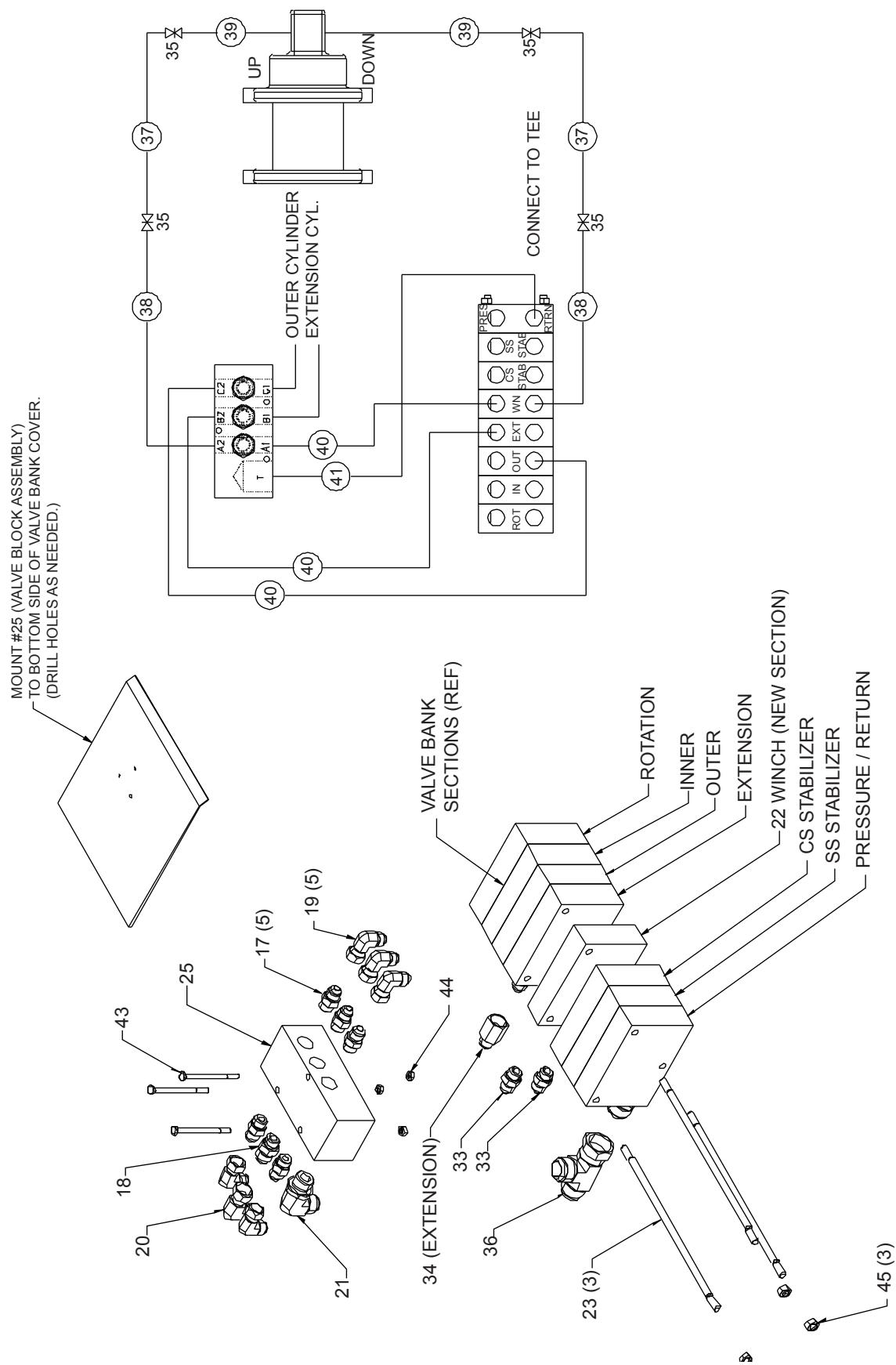
SINGLE LINE WINCH KIT 91716396  
 TWO-PART LINE WINCH KIT 91716670

BOOM SHOWN IN FOLDED POSITION



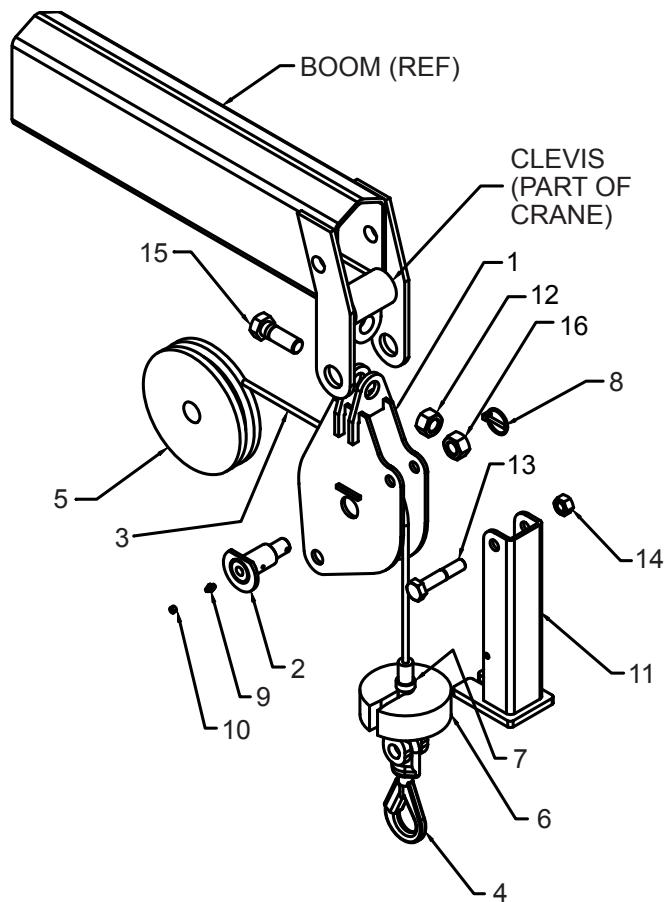
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**CABLE & HOOK KIT (41716422)**

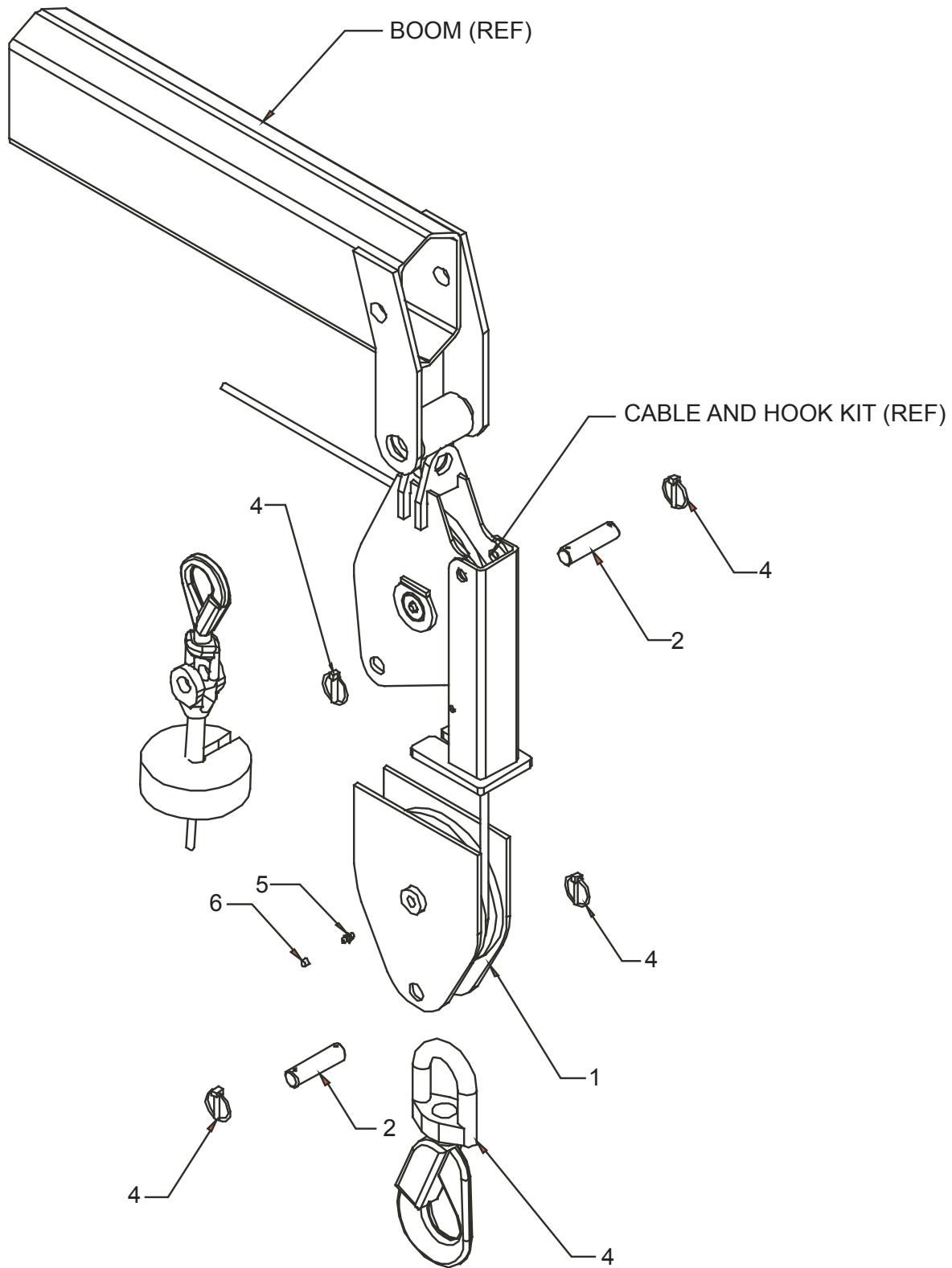
1. 52716416	YOKE	1
2. 52716421	PIN	1
3. 70580148	WIRE ROPE ASM 7/16X140'	1
4. 70733515	HOOK 2.5TON SWVL	1
5. 60030255	SHEAVE 9"	1
6. 60118434	DOWN HAUL WEIGHT	1
7. 70145121	COLLAR	1
8. 72661367	PIN-QUICK RELEASE	1
9. 72053508	ZERK 1/8NPT	1
10. 70034382	CAP-GREASE	1
11. 52716474	STOP	1
12. 72062009	NUT 1-8 HEX	1
13. 72060189	CAP SCR 3/4-10X4 HHGR5	1
14. 72062114	NUT 3/4-10 HEX NYLOC	1
15. 72601621	CAP SCR 1-8 X 3 HHGR8Z	1
16. 72062137	NUT 1.00-8 HEX NYLOC ZINC	1



12/89: 41716423.01: 20030623  
**SNATCH BLOCK ASM (41716423)**

PARTS-90

1. 52716413	SNATCH BLOCK	1
2. 60122891	PIN	2
3. 72661367	PIN-QUICK RELEASE	4
4. 70732882	HOOK 5.9TON SWVL	1
5. 72053508	ZERK 1/8NPT	1
6. 70034382	CAP-GREASE	1



12/89:

PARTS-91

12/89:

PARTS-92



**IOWA MOLD TOOLING CO., INC.**  
BOX 189, GARNER, IA 50438-0189  
641-923-3711

**MANUAL PART NUMBER: 99903049**