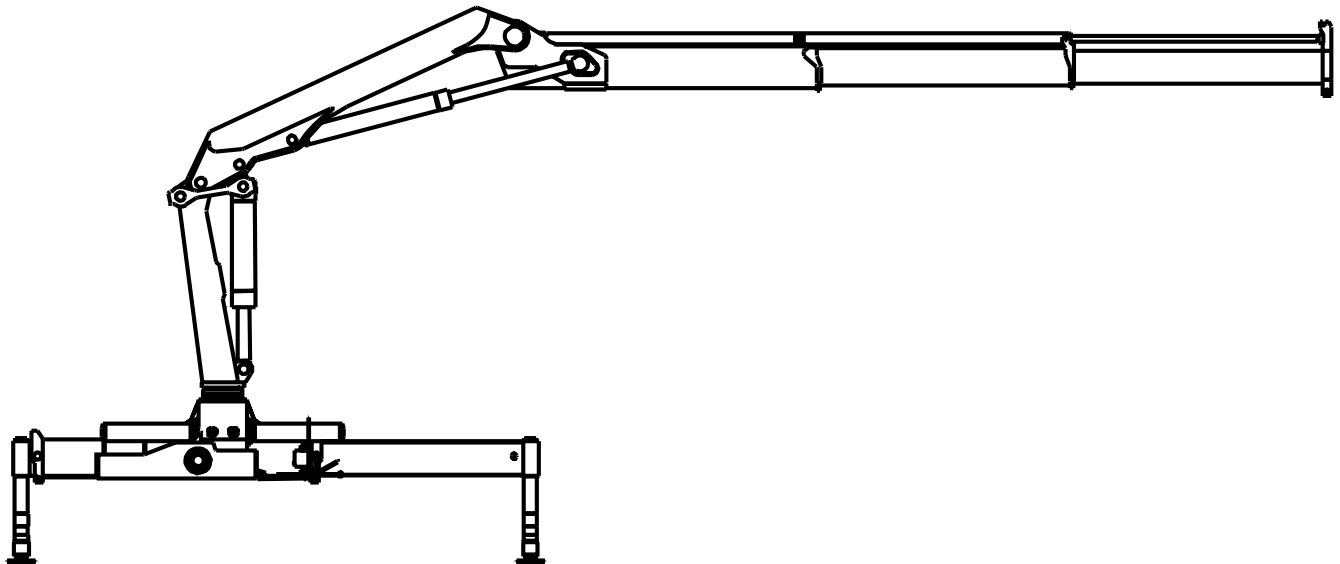


IMT

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 Truck 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 CONTROL KITS
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 OUTRIGGER 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

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PARTS-5 INTRODUCTION

GENERAL

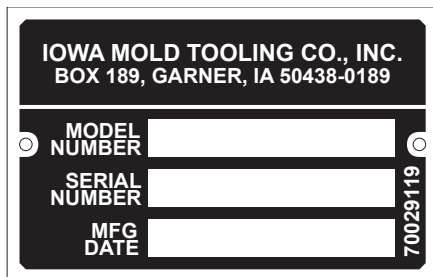
This manual contains the parts drawings with accompanying parts lists for the assemblies used on this crane. These drawings are intended to be used in conjunction with the instructions found in the Instruction Manual.

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

ORDERING REPAIR PARTS

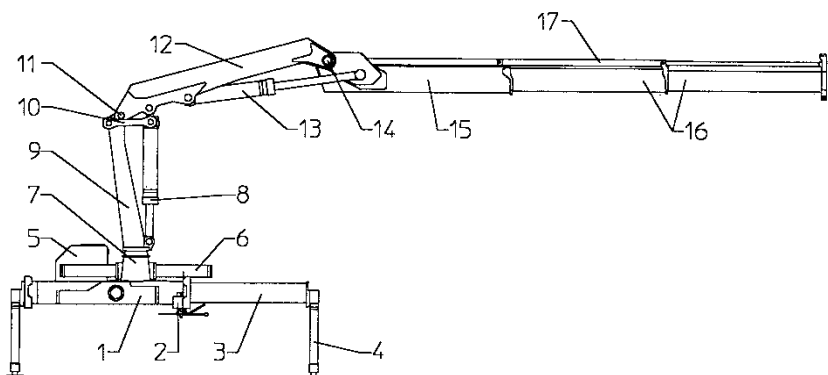
When ordering replacement parts:

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

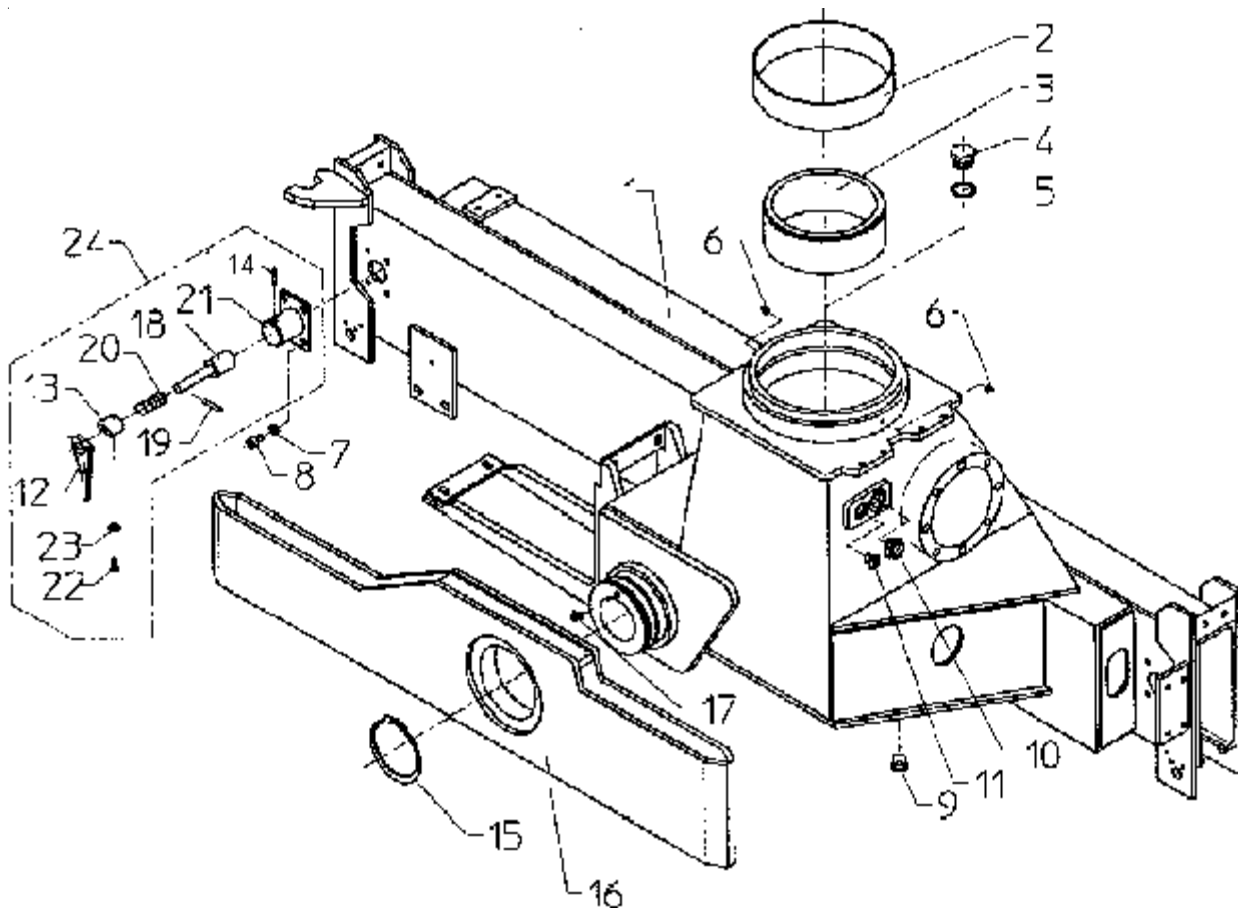
1. Suspension traverse
2. Control valve block
3. Outrigger/Stabilizer beam
4. Outrigger/Stabilizer leg
5. Tank
6. Rotation/Slewing cylinder
7. Base
8. Boom cylinder
9. Mast
10. Link arm
11. Hinge pin
12. Main boom
13. Outer/jib cylinder
14. Outer/jib pin
15. Outer boom
16. Extensions
17. Extension cylinder



COMPONENT REFERENCE

BASE

1.	61 79 060	BASE W/BEARING(INCL:2,3)	1	13.	62 33 504	HOUSING	
2.	23 368	BUSHING		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"		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	WASHER 8MM	
12.	62 33 524	LEVER		24.	61 79 610	SWIVEL LOCK (COMPLETE)	2

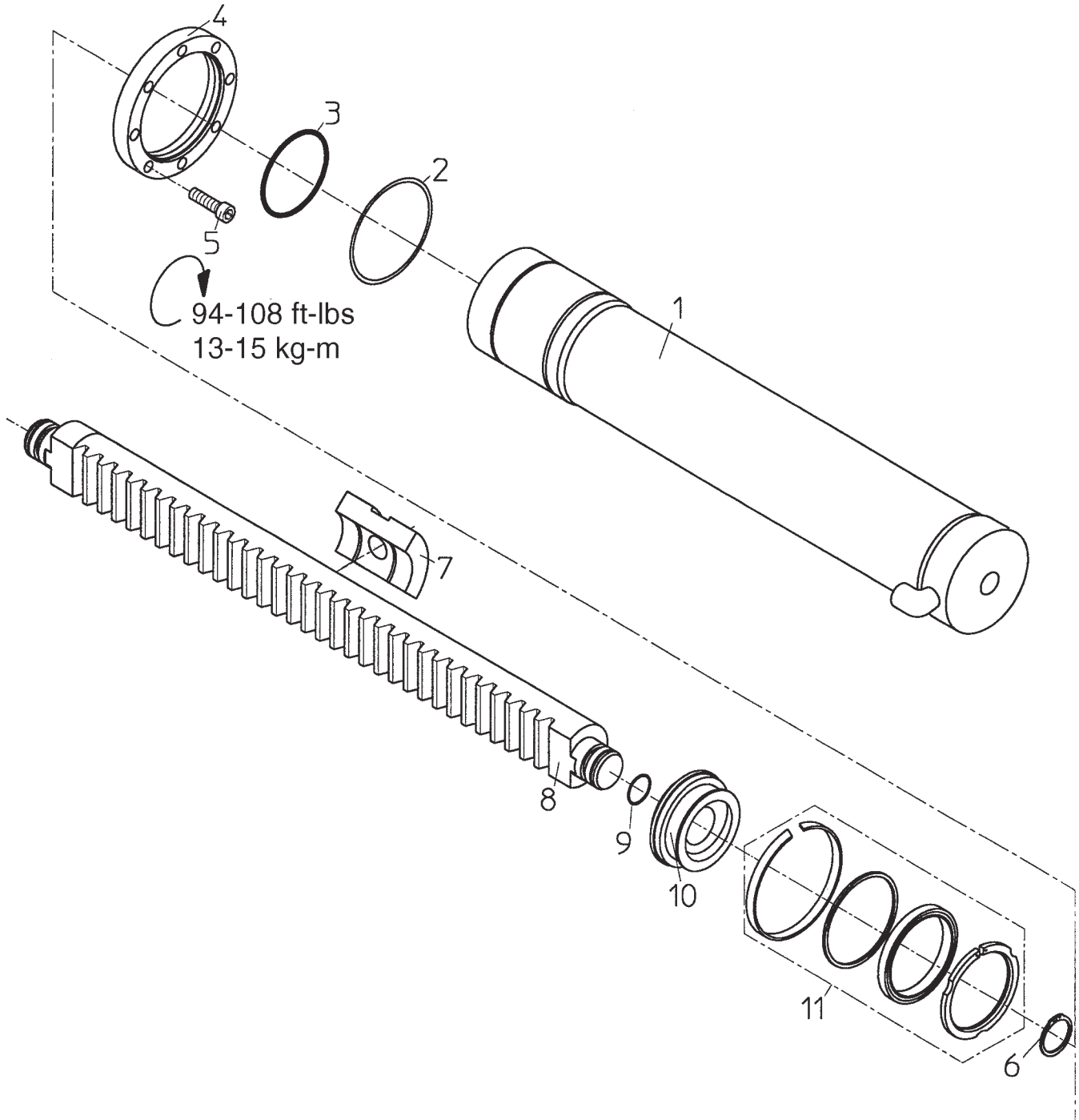


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PARTS-7

ROTATION (SLEWING) SYSTEM-410°

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

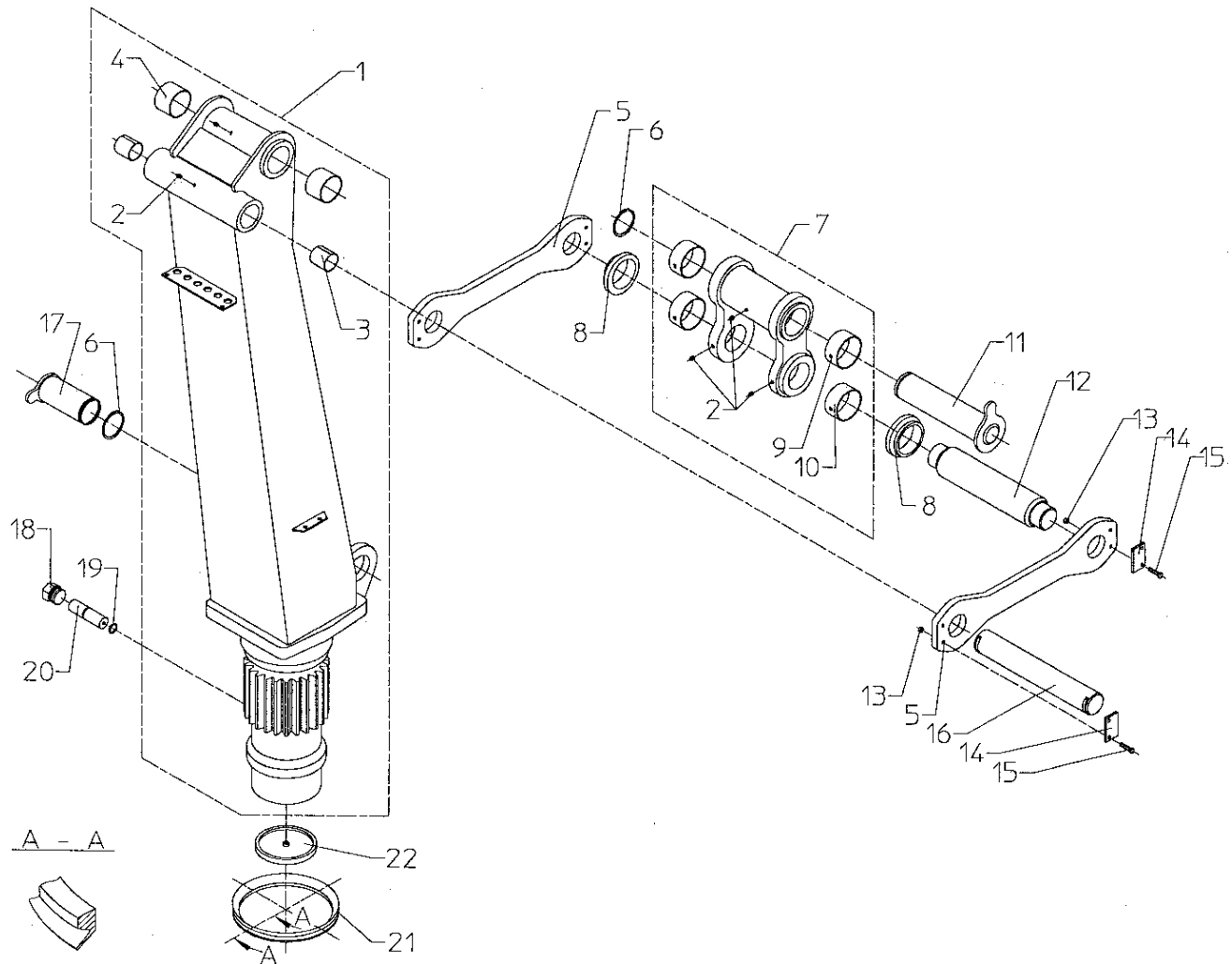


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PARTS-8

MAST (COLUMN) W/LINK SYSTEM

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

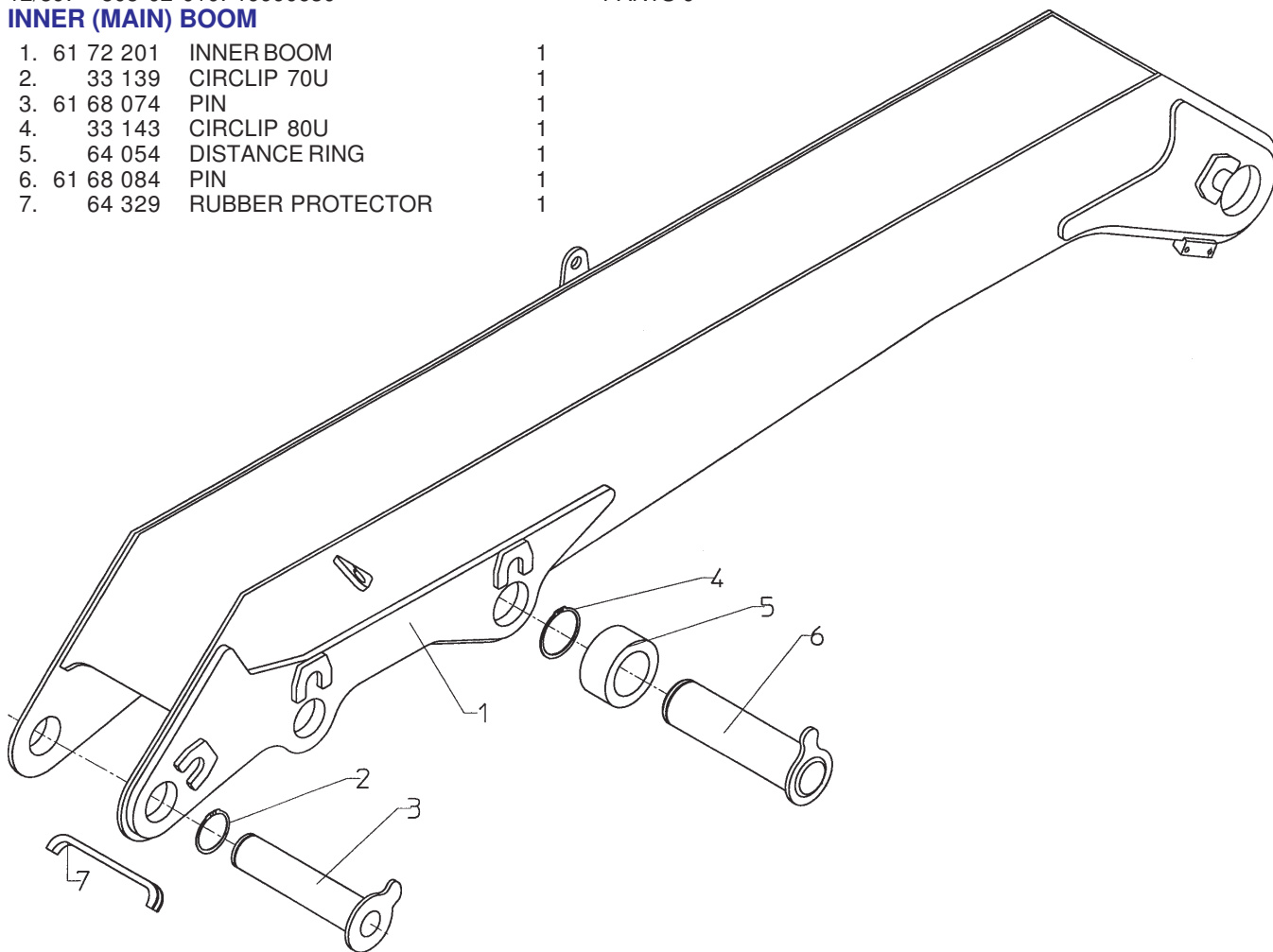


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PARTS-9

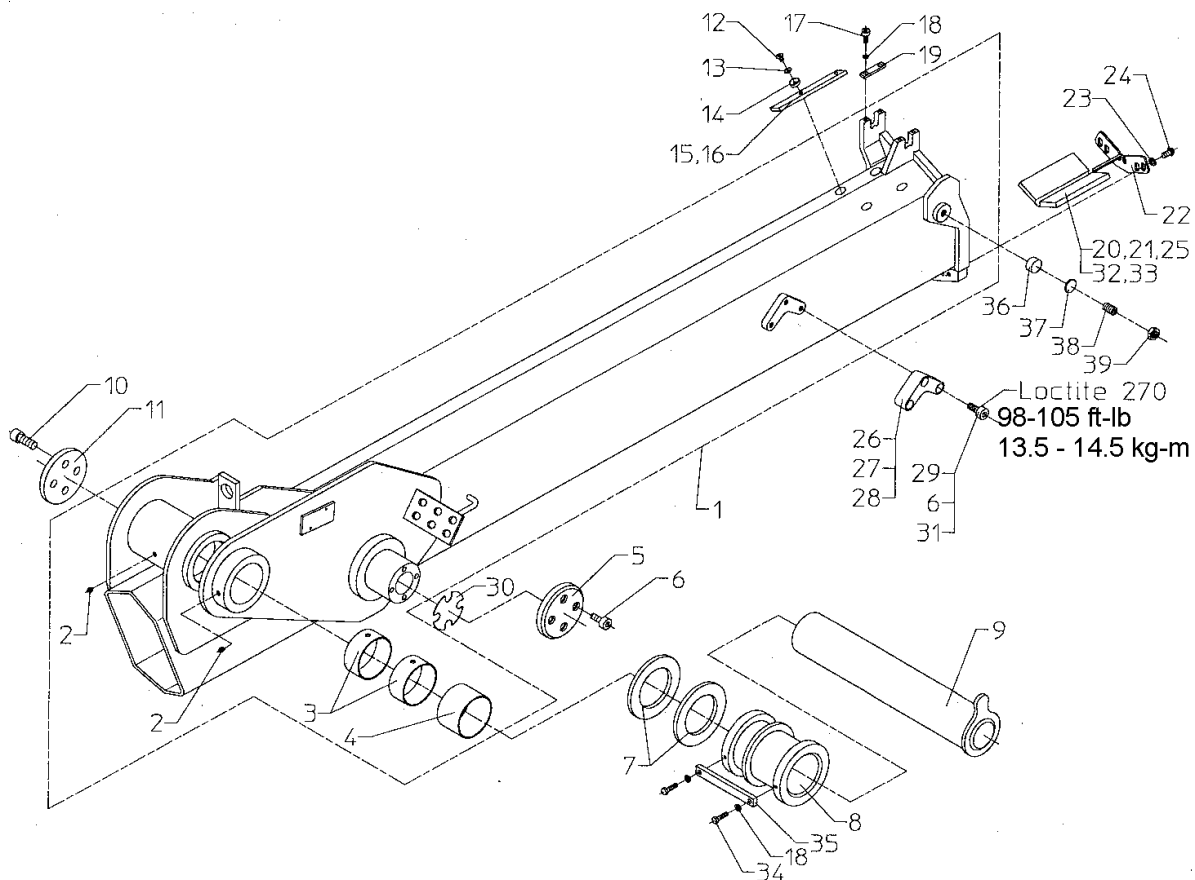
INNER (MAIN) BOOM

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



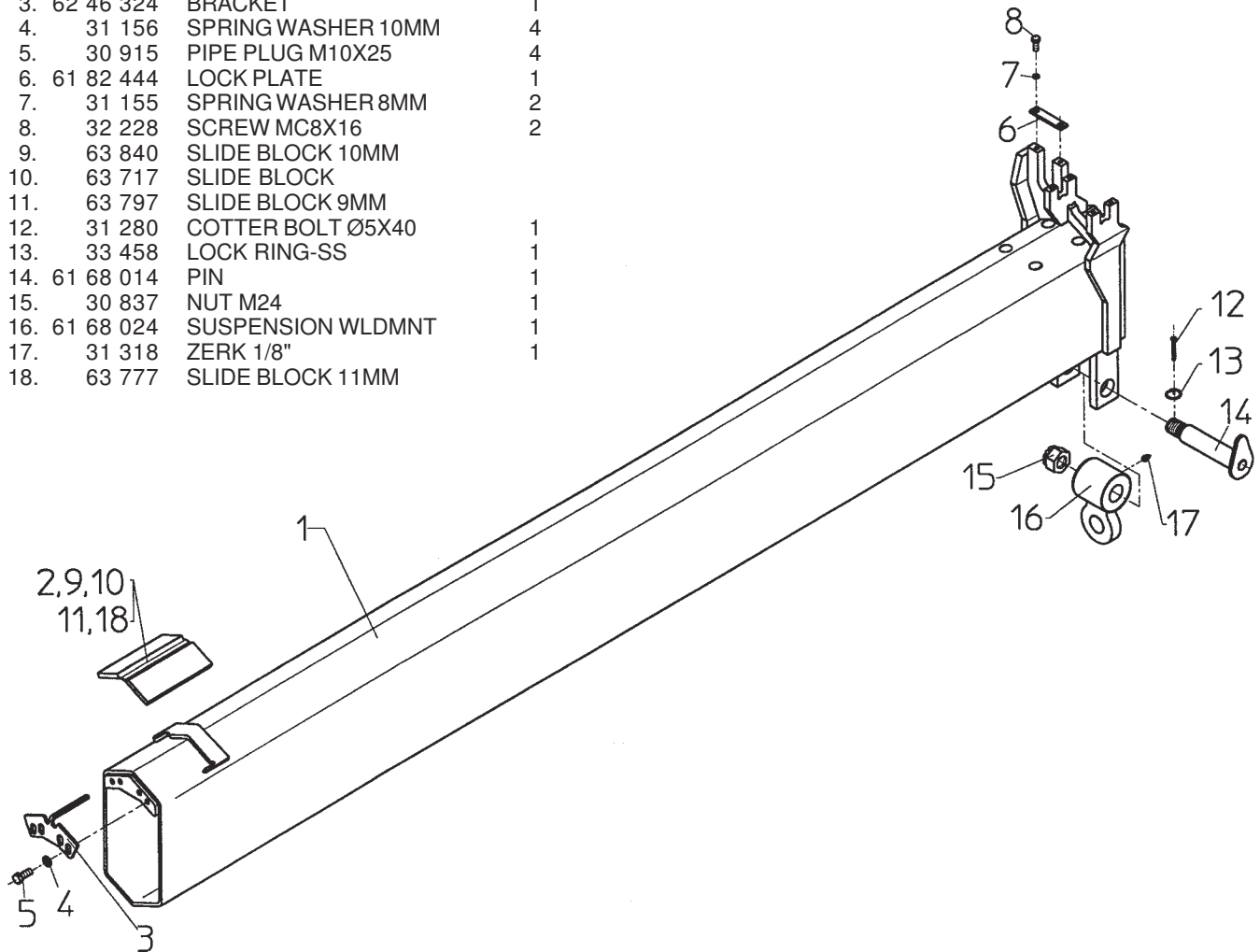
OUTER (JIB) BOOM

1.	61 79 590	OUTERBOOM-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	STOWINGBRACKET	1
8.	63 961	HOSE REEL	1	27.	62 17 484	STOWINGBRACKET	1
9.	61 68 104	PIN	1	28.	62 17 494	STOWINGBRACKET	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



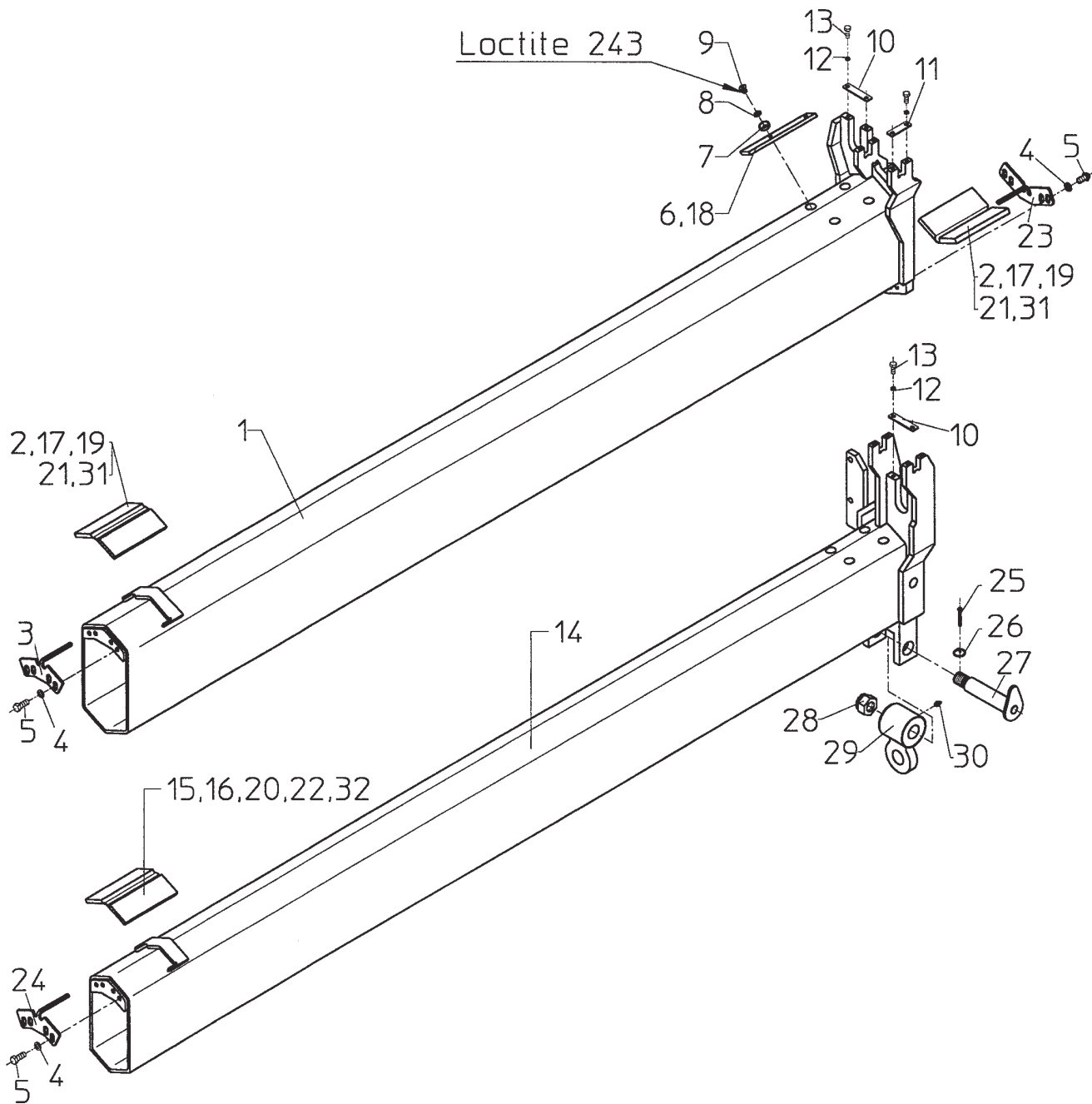
EXTENSION-1H

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 WLD MNT	1
17.	31 318	ZERK 1/8"	1
18.	63 777	SLIDE BLOCK 11MM	



EXTENSION-2H

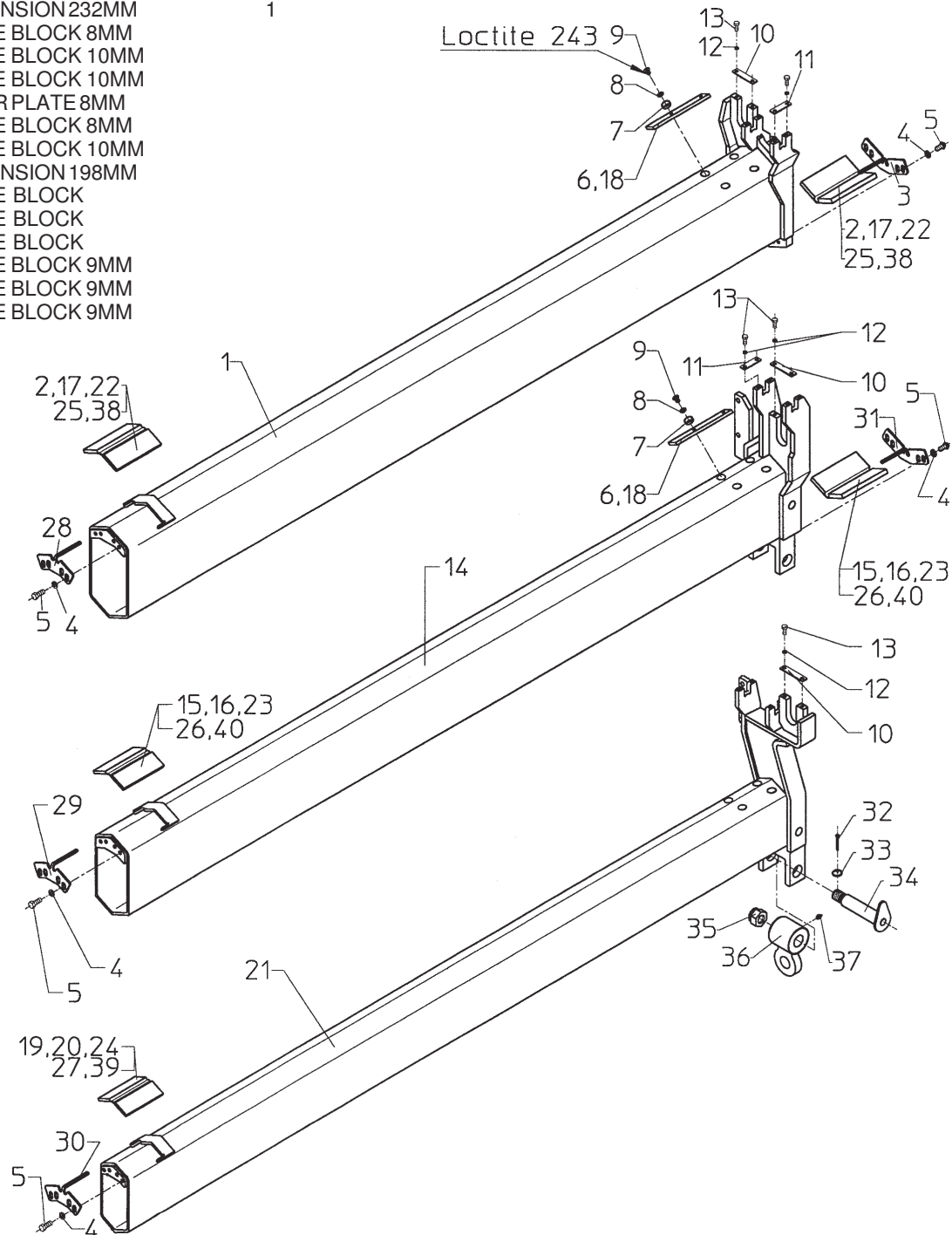
1.	62 42 322	EXTENSION266MM	1	17.	63 840	SLIDE BLOCK 10MM	
2.	63 837	SLIDE BLOCK 8MM		18.	62 43 014	WEAR PLATE 8MM	
3.	62 46 324	BRACKET	1	19.	63 717	SLIDE BLOCK	
4.	31 156	SPRING WASHER 10MM	12	20.	63 716	SLIDE BLOCK	
5.	30 915	PIPE PLUG M10X25	12	21.	63 797	SLIDE BLOCK 9MM	
6.	62 43 004	WEAR PLATE 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 WLD MNT	1
14.	62 42 402	EXTENSION232MM	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

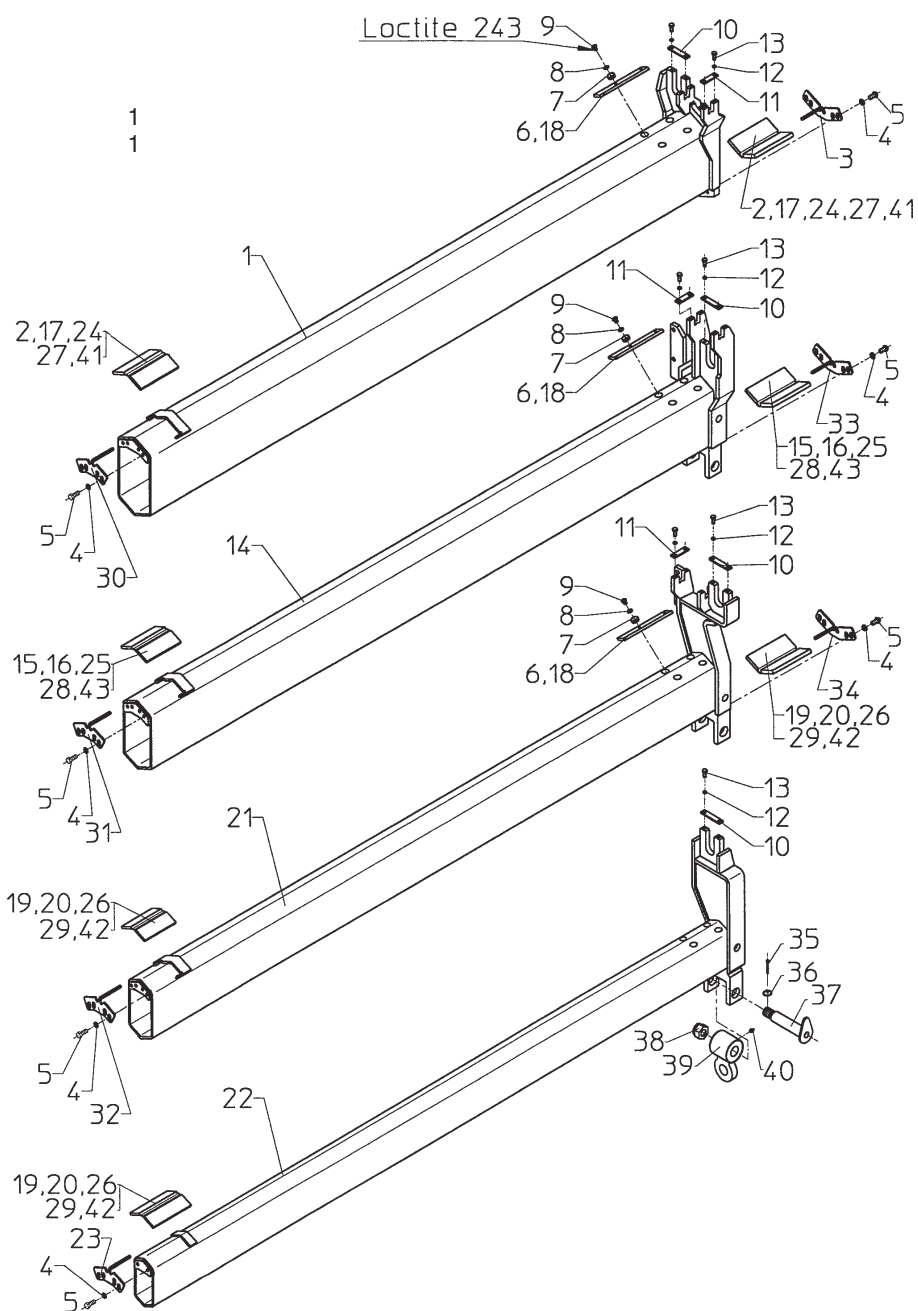
1.	62 42 322	EXTENSION 266MM	1
2.	63 837	SLIDE BLOCK 8MM	
3.	62 46 334	BRACKET	1
4.	31 156	SPRING WASHER 10MM	18
5.	30 915	PIPE PLUG M10X25	18
6.	62 43 004	WEAR PLATE 6MM	
7.	62 42 994	LOCK WASHER	8
8.	31 170	LOCK WASHER 8MM	8
9.	30 597	COUNTERSUNK SCR MK8X12	8
10.	61 82 444	LOCK PLATE	3
11.	62 43 024	STOWING PIN	4
12.	31 155	SPRING WASHER 8MM	14
13.	32 228	SCREW MC8X16	14
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	

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



EXTENSION-4H

1.	62 42 322	EXTENSION266MM	1	27.	63 797	SLIDE BLOCK 9MM	
2.	63 837	SLIDE BLOCK 8MM		28.	63 798	SLIDE BLOCK 9MM	
3.	62 46 334	BRACKET	1	29.	63 799	SLIDE BLOCK 9MM	
4.	31 156	SPRING WASHER 10MM	26	30.	62 46 324	BRACKET	1
5.	30 915	PIPE PLUG M10X25	26	31.	62 46 354	BRACKET	1
6.	62 43 004	WEAR PLATE 6MM		32.	62 46 374	BRACKET	1
7.	62 42 994	LOCK WASHER	12	33.	62 46 344	BRACKET	1
8.	31 170	LOCK WASHER 8MM	12	34.	62 46 364	BRACKET	1
9.	30 597	COUNTERSUNK SCR MK8X12	12	35.	31 280	COTTER BOLT Ø5X40	1
10.	61 82 444	LOCK PLATE	4	36.	33 458	LOCK RING-SS	1
11.	62 43 024	STOWING PIN	6	37.	61 68 014	PIN	1
12.	31 155	SPRING WASHER 8MM	20	38.	30 837	NUT M24	1
13.	32 228	SCREW MC8X16	20	39.	61 68 024	SUSPENSION WLD MNT	1
14.	62 42 402	EXTENSION232MM	1	40.	31 318	ZERK 1/8"	1
15.	63 836	SLIDE BLOCK 8MM		41.	63 777	SLIDE BLOCK 11MM	
16.	63 839	SLIDE BLOCK 10MM		42.	63 778	SLIDE BLOCK 11MM	
17.	63 840	SLIDE BLOCK 10MM		43.	63 779	SLIDE BLOCK 11MM	
18.	62 43 014	WEAR PLATE 8MM					
19.	63 835	SLIDE BLOCK 8MM					
20.	63 838	SLIDE BLOCK 10MM					
21.	62 42 482	EXTENSION198MM	1				
22.	62 45 952	EXTENSION164MM	1				
23.	62 46 384	BRACKET					
24.	63 717	SLIDE BLOCK					
25.	63 716	SLIDE BLOCK					
26.	63 715	SLIDE BLOCK					



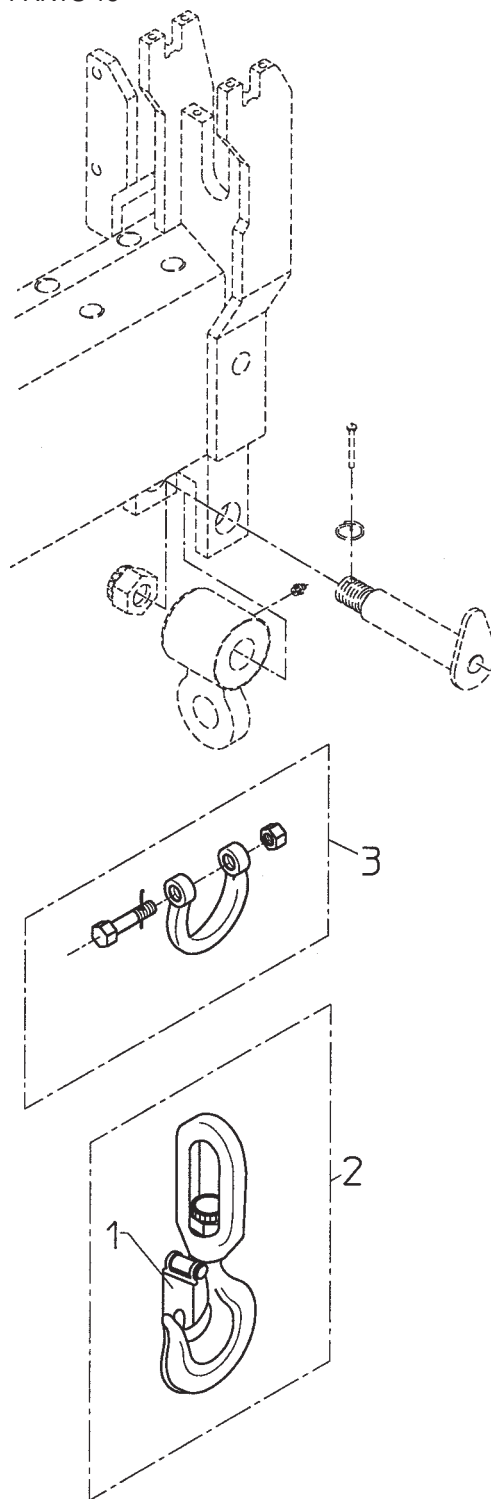
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HOOK SUSPENSION

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

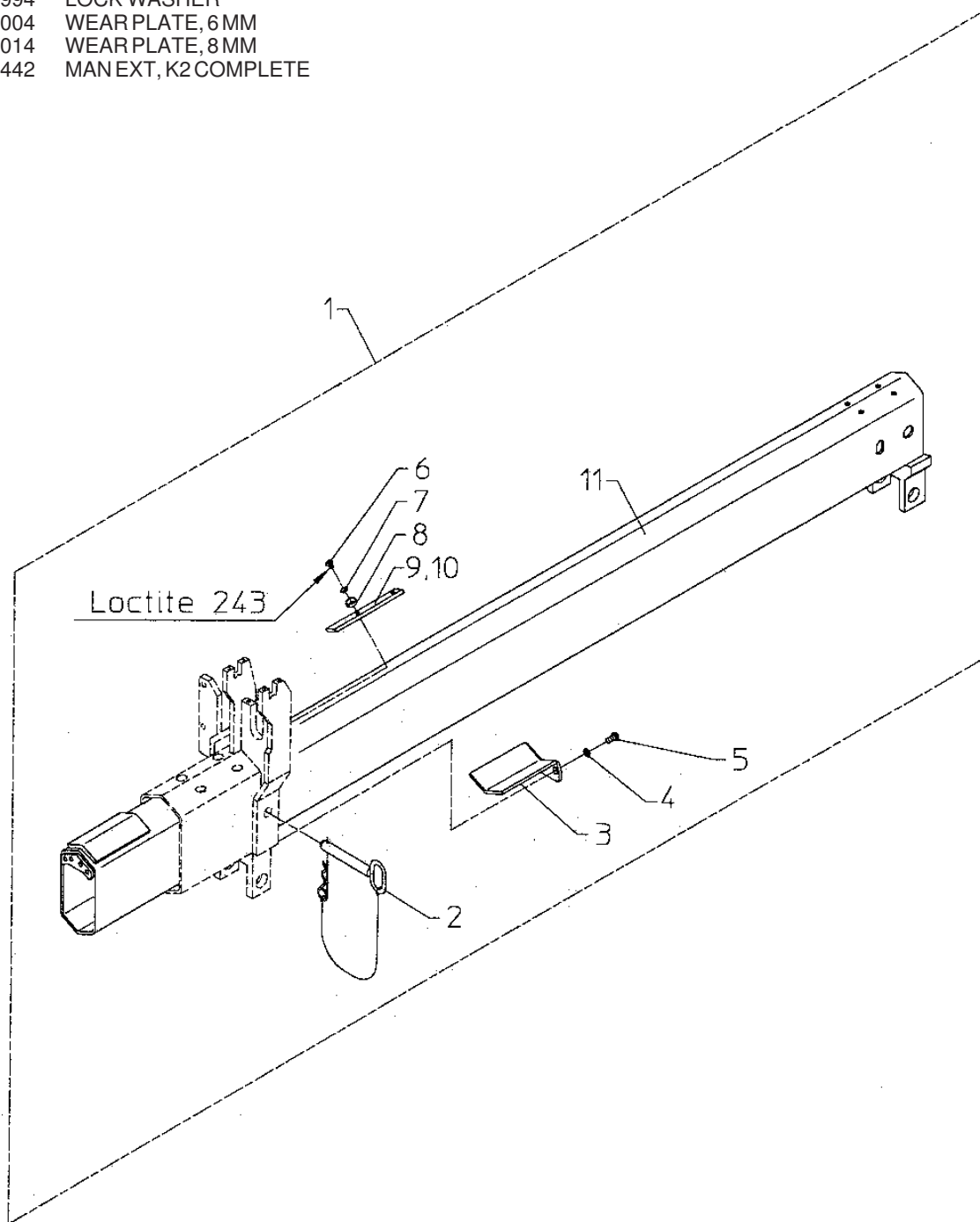
PARTS-15

1
1



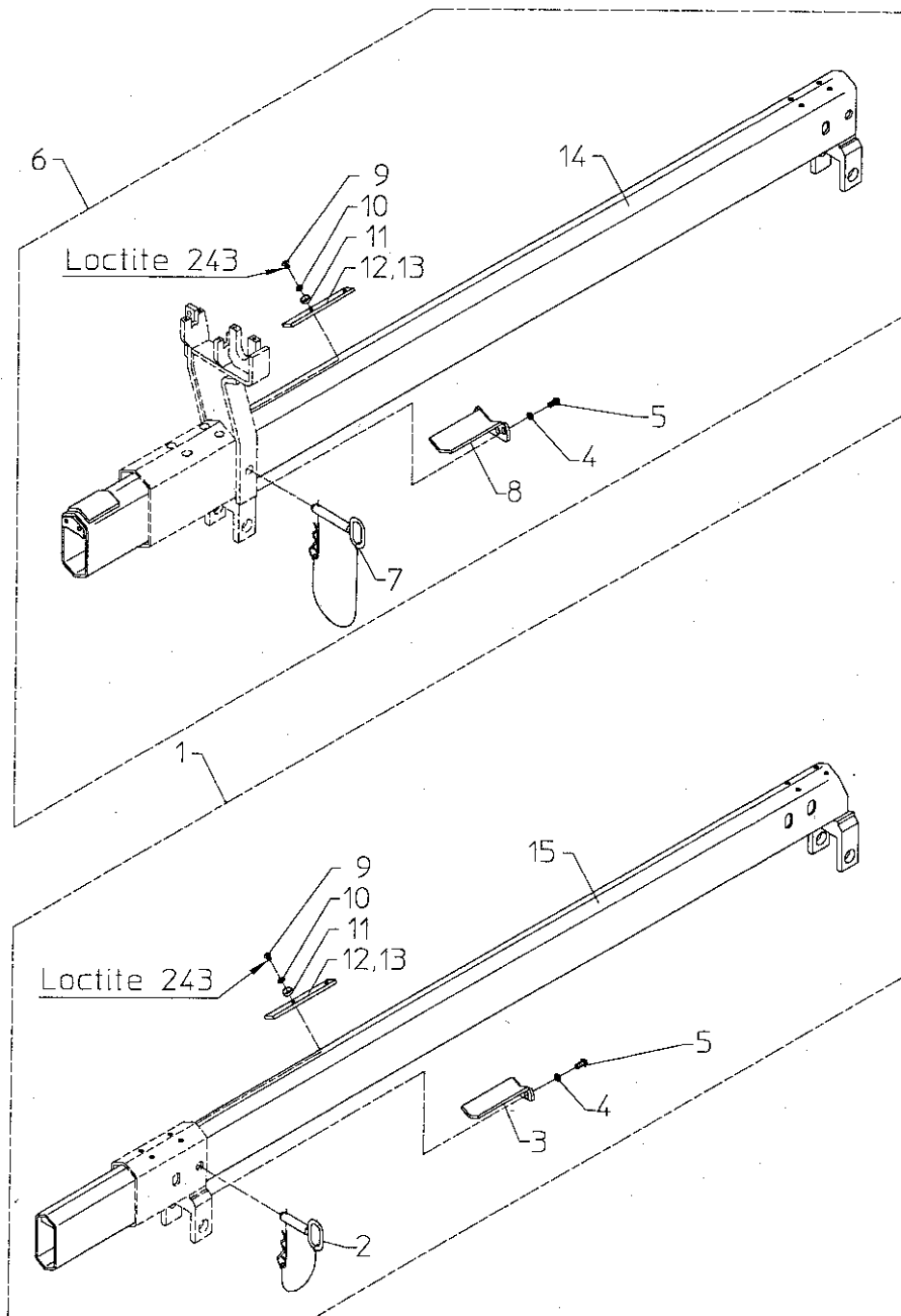
MANUAL EXTENSIONS, K2

1.	62 44 520	MANUALEXT, 198MM	1
2.	60 99 964	LOCK PIN, 155 MM	
3.	62 44 474	BUSHING	1
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, 6MM	
10.	62 43 014	WEAR PLATE, 8MM	
11.	62 44 442	MANEXT, K2 COMPLETE	



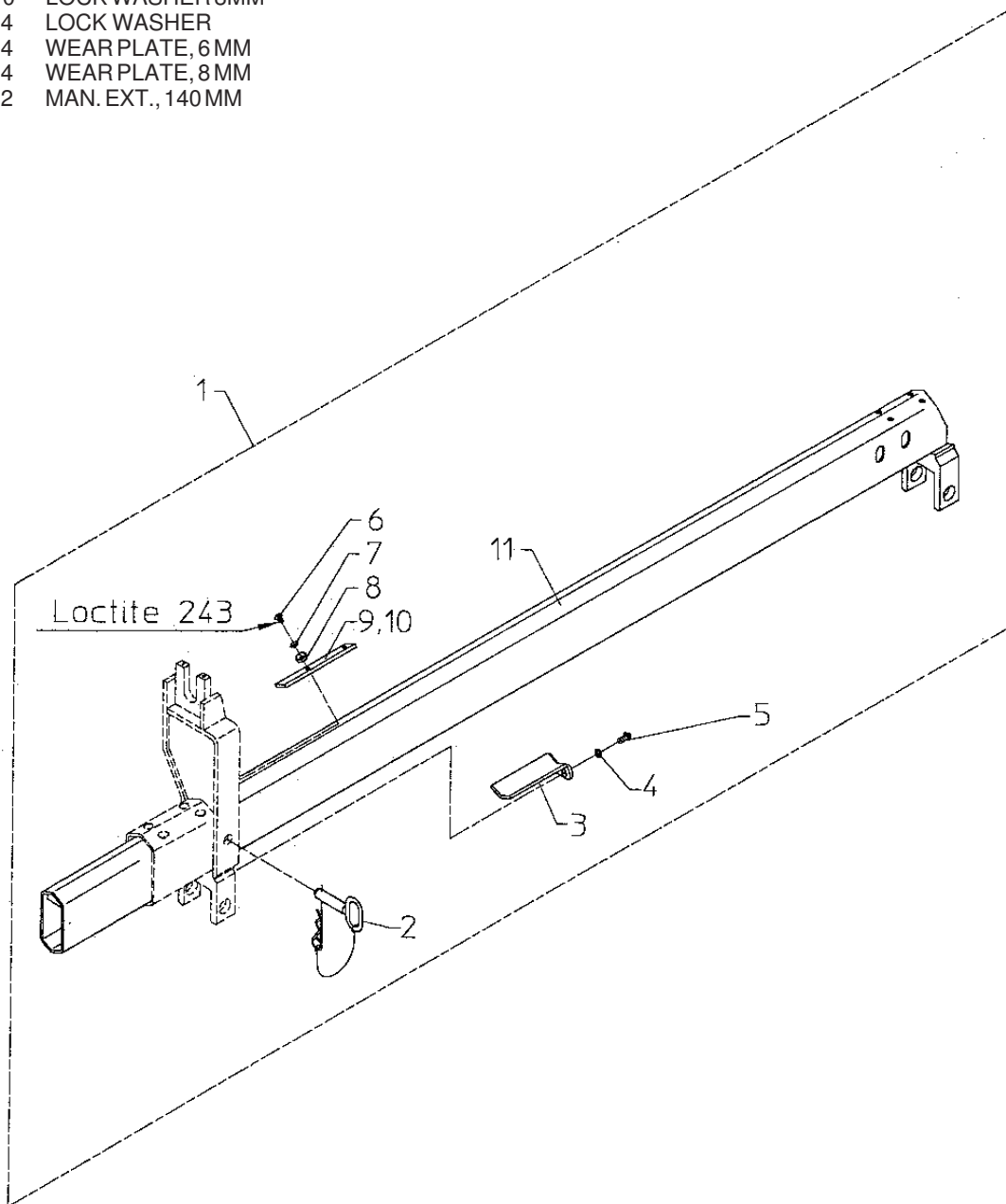
MANUAL EXTENSIONS, K3

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	WEAR PLATE 6MM	
13.	62 43 014	WEAR PLATE 8MM	
14.	62 44 532	MAN. EXT., 164MM	
15.	62 43 382	MAN. EXT., 140MM	



MANUAL EXTENSIONS, K4

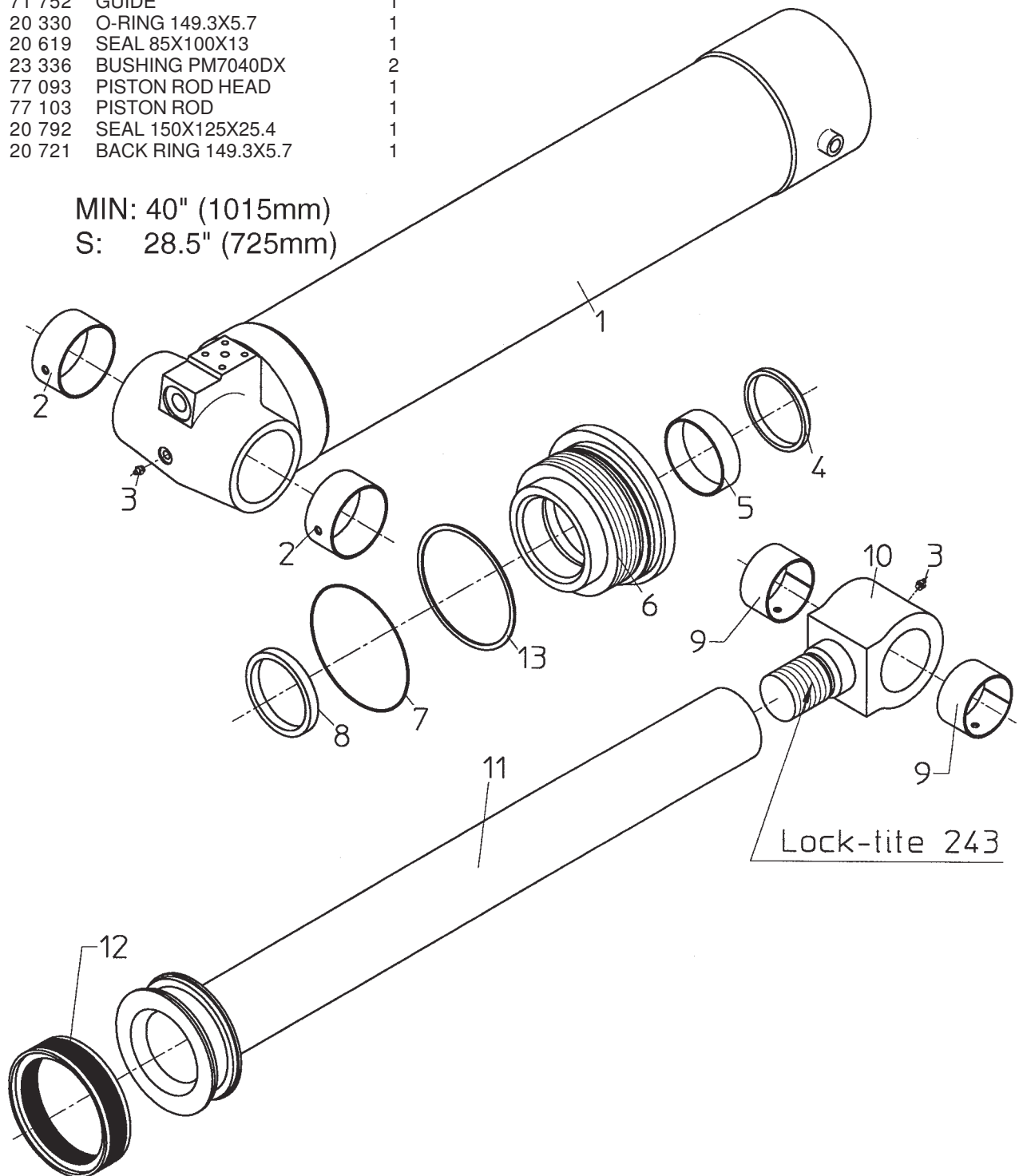
- | | | | |
|-----|-----------|----------------------------|---|
| 1. | 62 44 500 | MANUAL EXT., CPL 140 MM | 1 |
| 2. | 66 56 614 | LOCK PIN W/SPLIT PIN 105MM | |
| 3. | 62 43 434 | CLAMP | |
| 4. | 31 156 | SPRING WASHER 10 MM | |
| 5. | 30 915 | PIPE PLUG M10 X 25 | |
| 6. | 30 597 | C-SINK SCREW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



INNER BOOM CYLINDER-C150-725

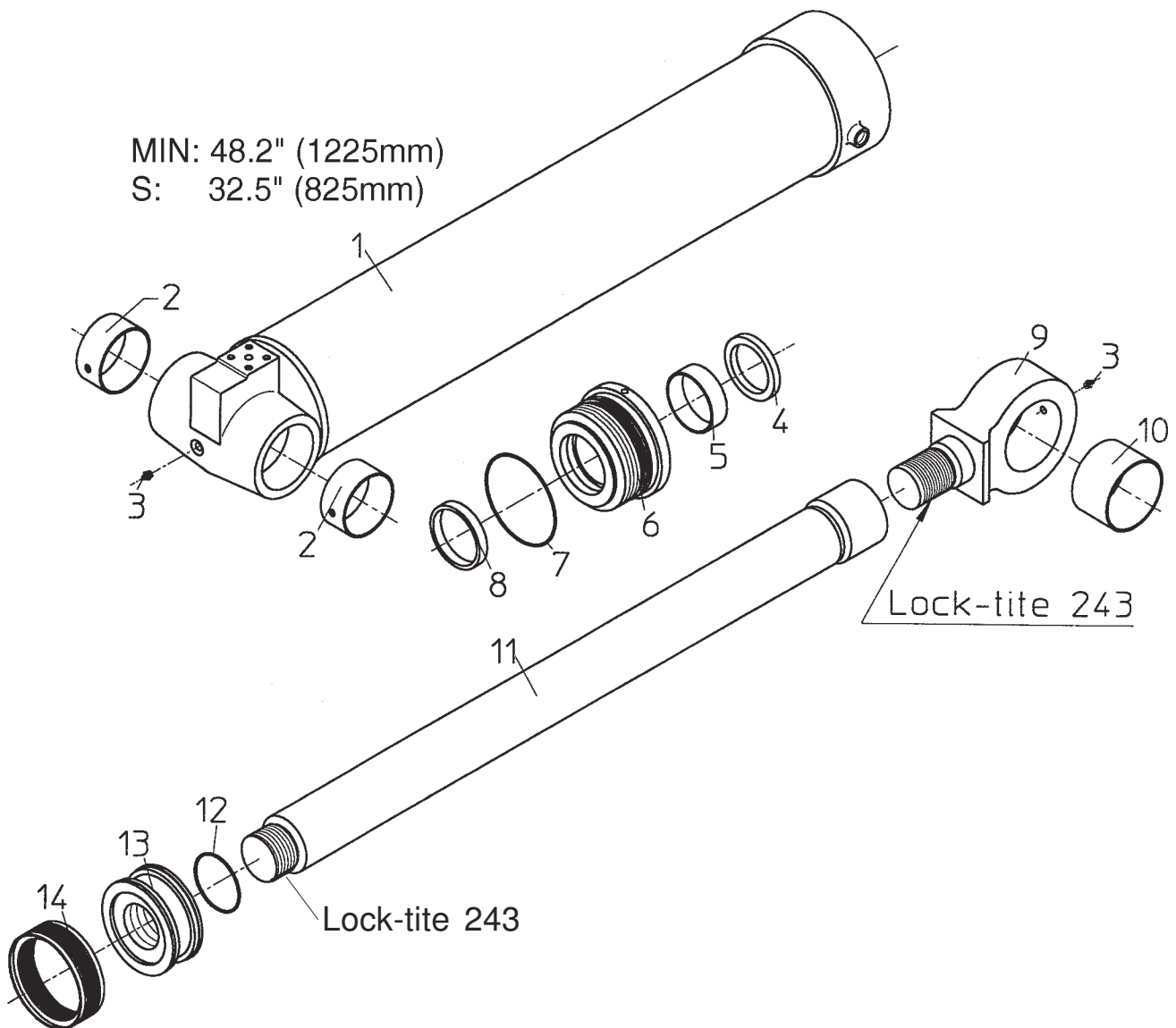
61 71 740	INNER CYLINDER	1
68 92 470	SEAL KIT (INCL:4,5,7,8,12)	1
1. 61 71 802	CYLINDER (INCL:2)	1
2. 23 342	BUSHING PM8040DX	
3. 31 322	ZERK 1/8" 90°	2
4. 20 529	SCRAPER 85X95X7/10	1
5. 21 918	BEARING 85/90X25	1
6. 61 71 752	GUIDE	1
7. 20 330	O-RING 149.3X5.7	1
8. 20 619	SEAL 85X100X13	1
9. 23 336	BUSHING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

MIN: 40" (1015mm)
S: 28.5" (725mm)



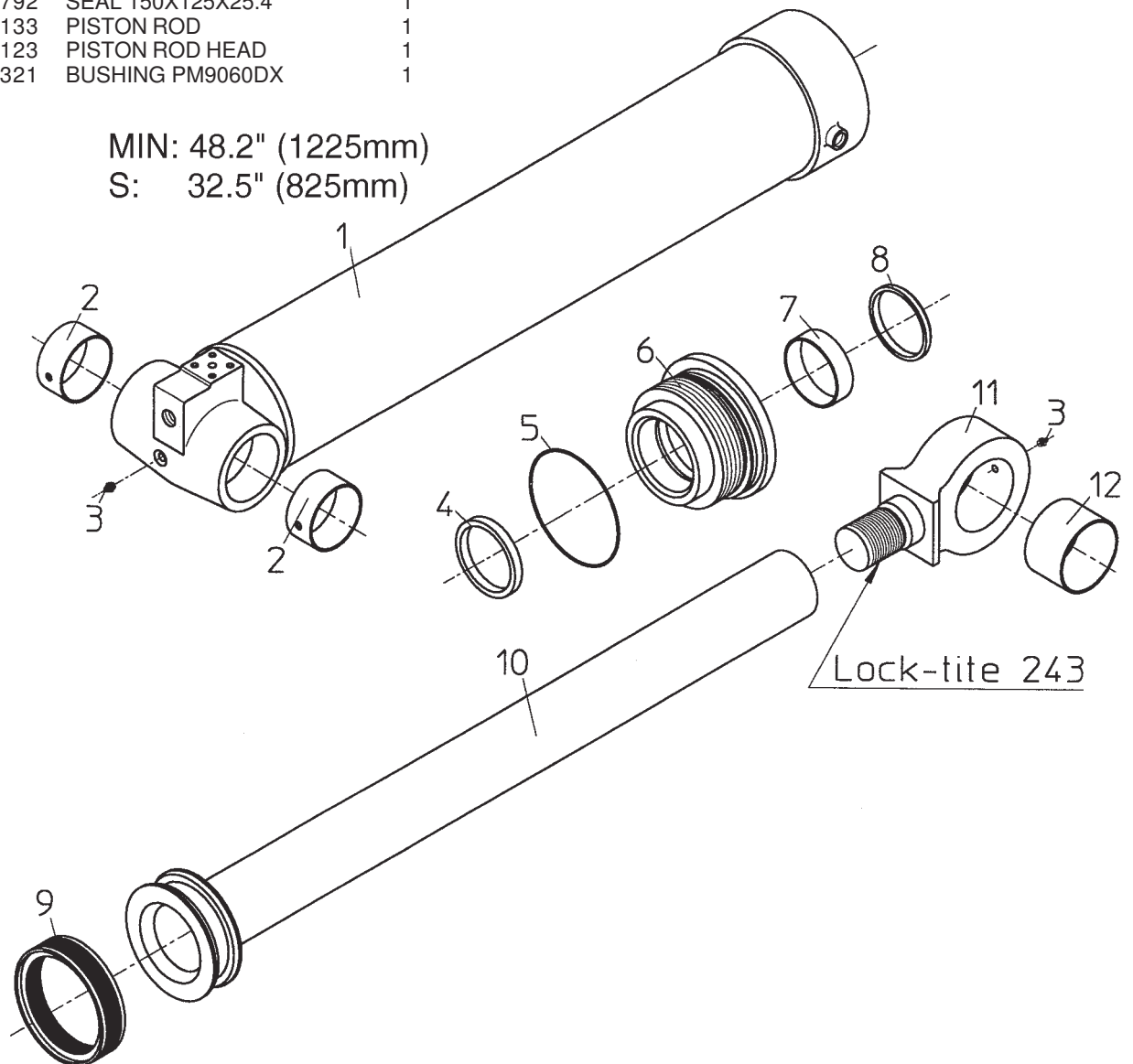
OUTER BOOM CYLINDER-C125-825

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



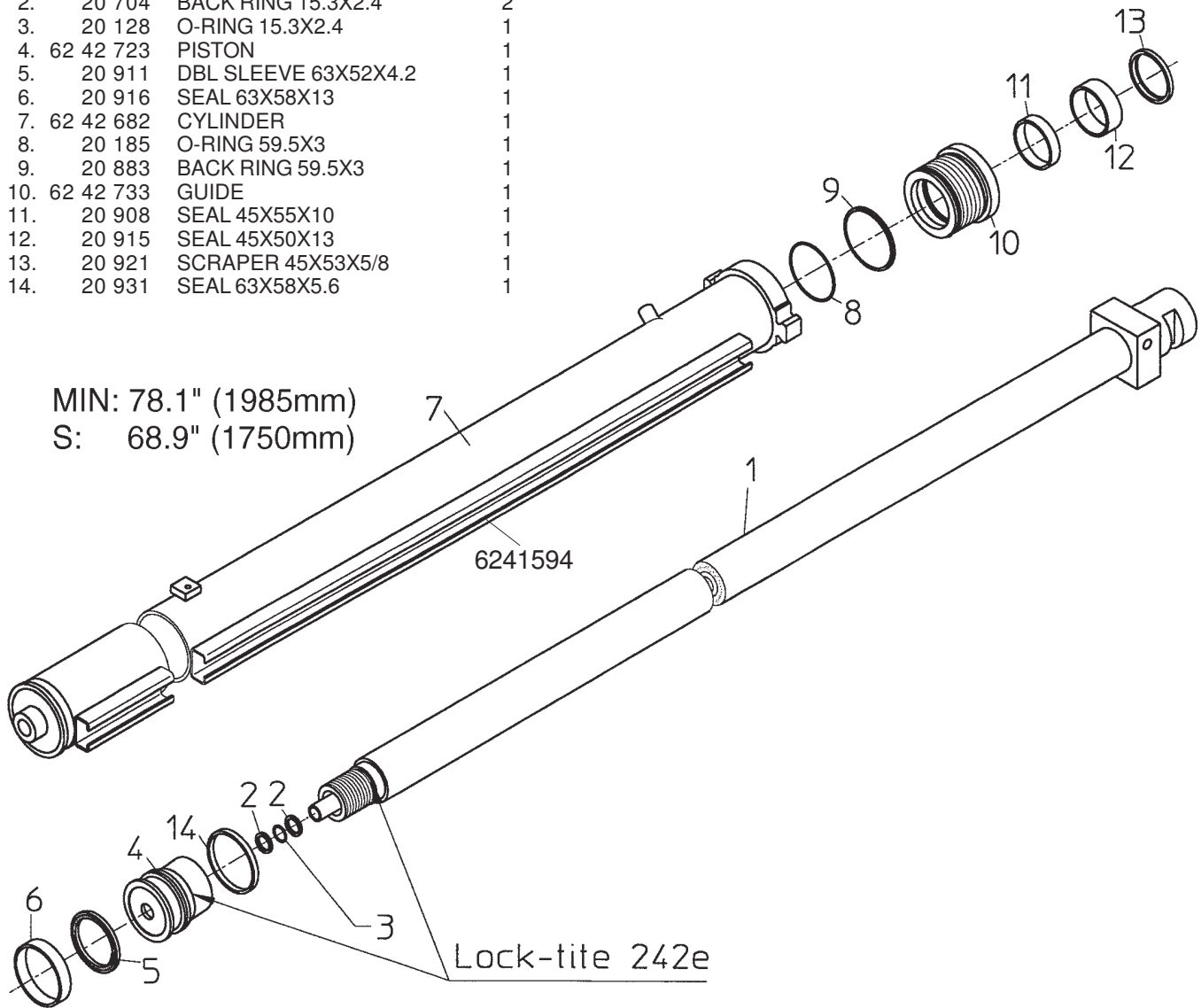
OUTER BOOM CYLINDER-C150-825 (4H)

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



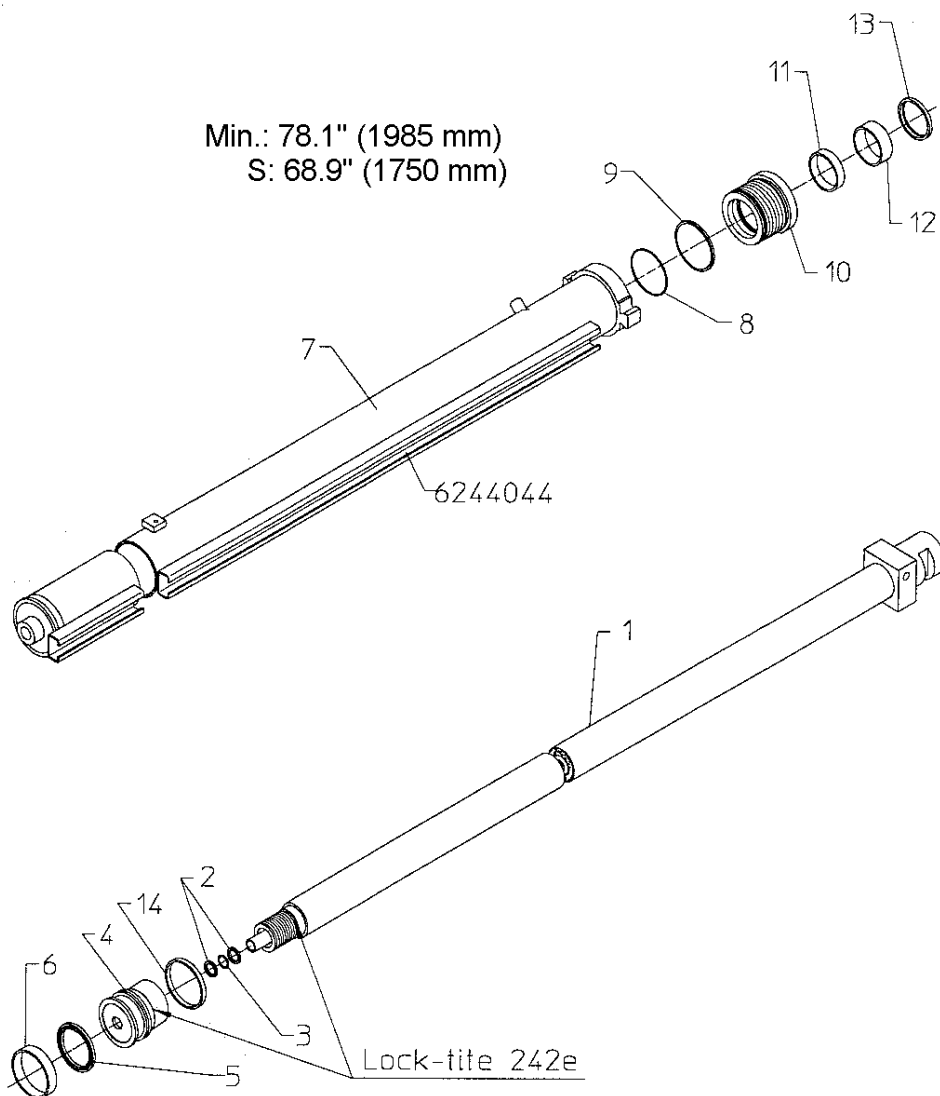
EXTENSION CYLINDER-C63-1750 (1H)

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

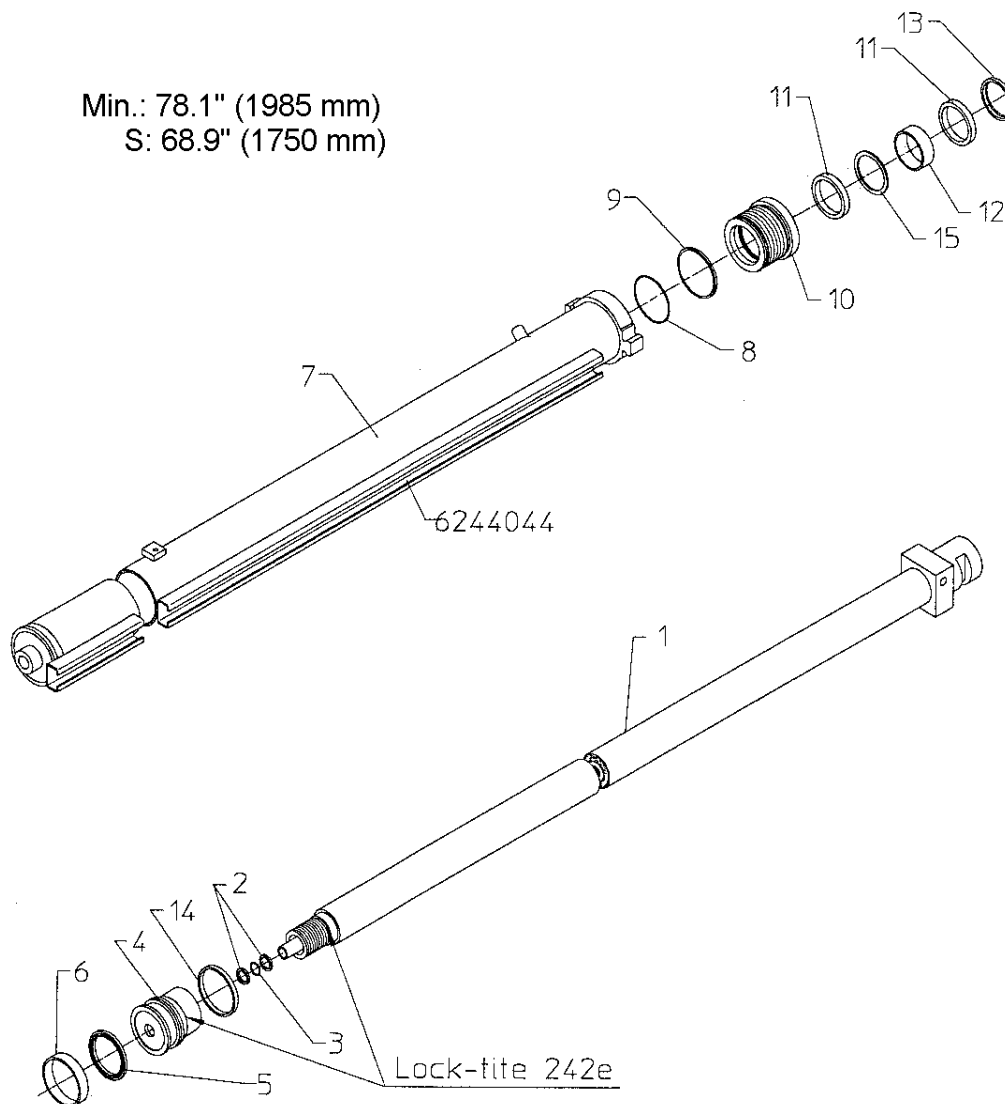
EXTENSION CYLINDER- C63-1750 (1H)

	62 48 140	EXT CYL, K1 C63-1750	
	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

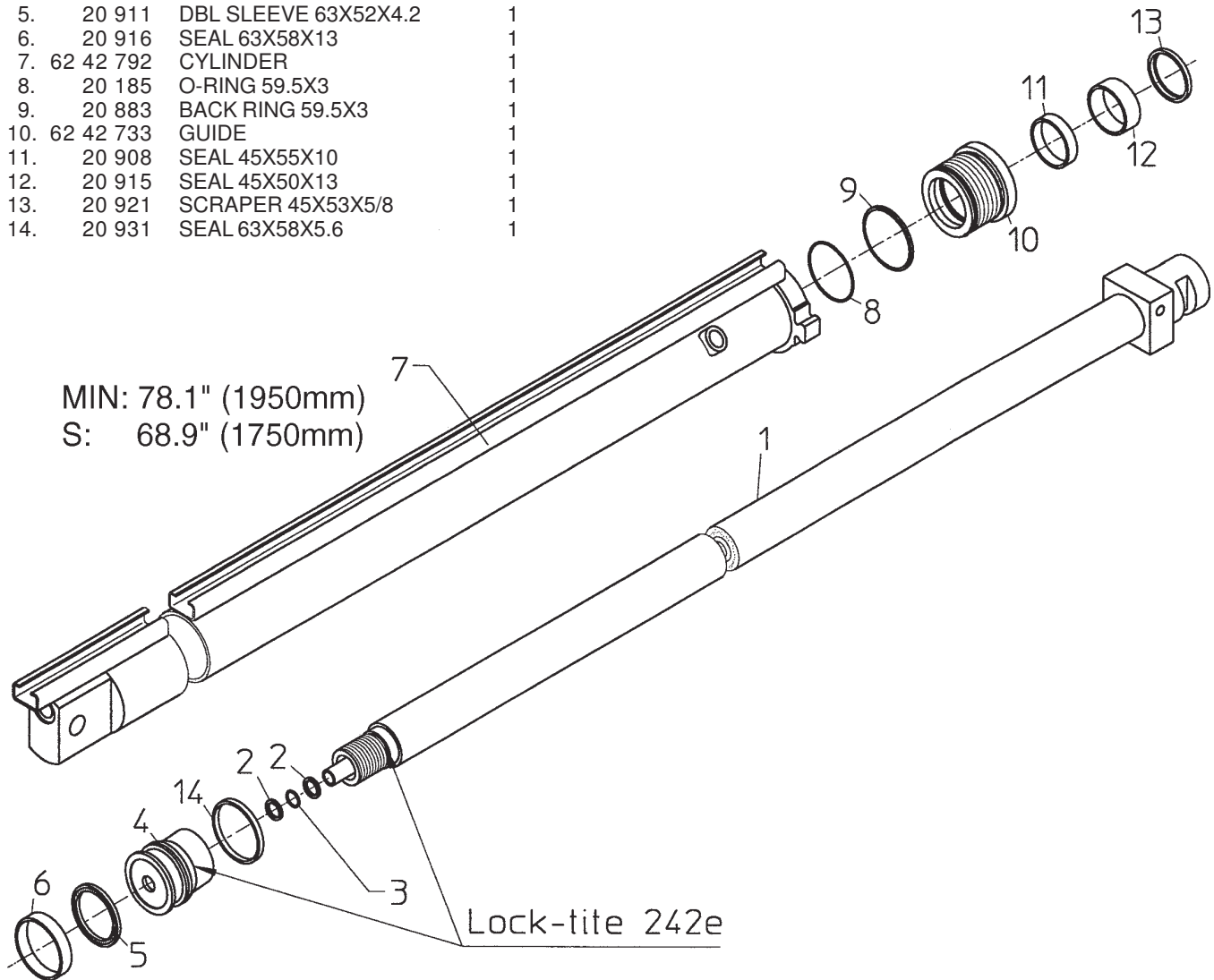
EXTENSION CYLINDER- C63-1750 (1H)

	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

EXTENSION CYLINDER-C63-1750 (2H)

	62 48 150	EXT CYLINDER 2H	
	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

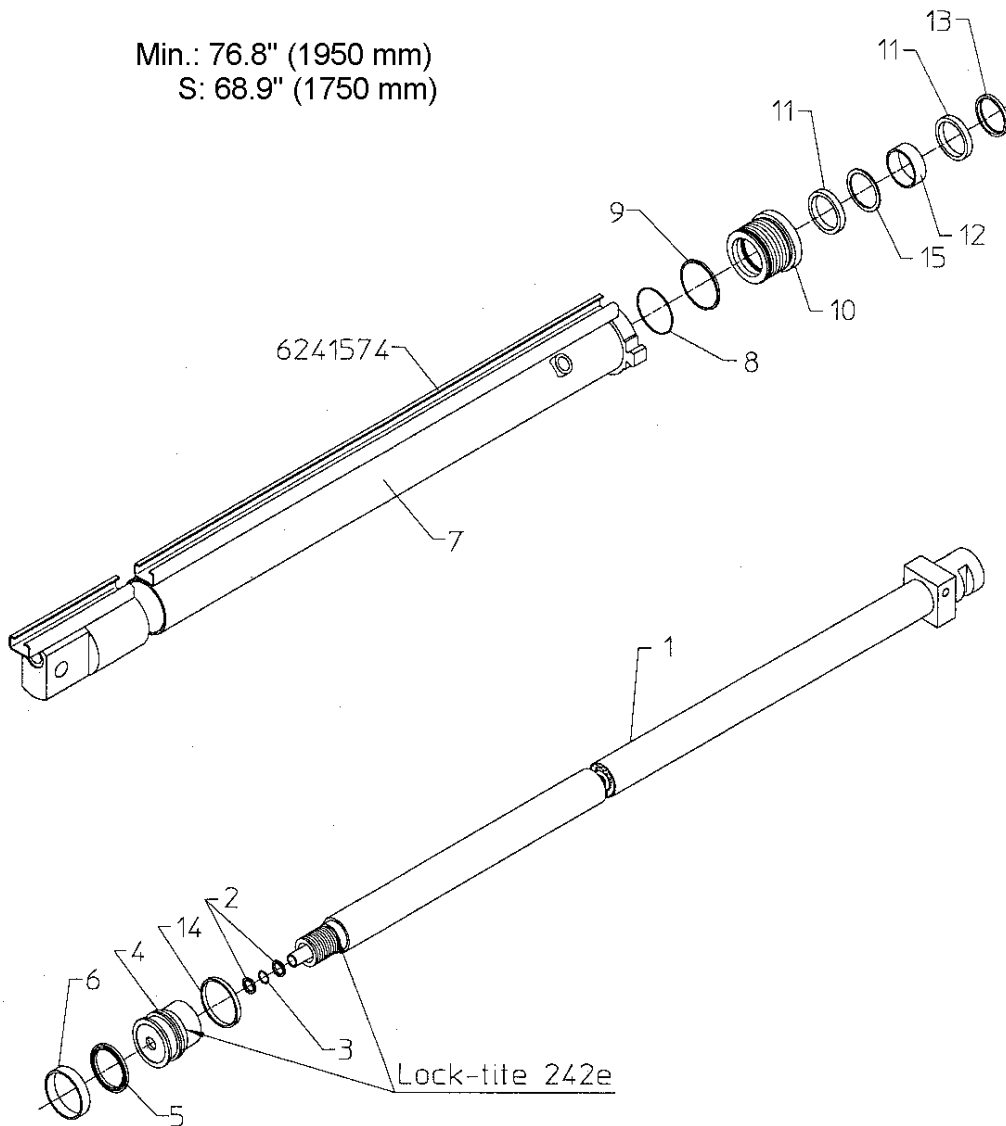
FROM SERIAL NO. 340480 THROUGH 341158

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

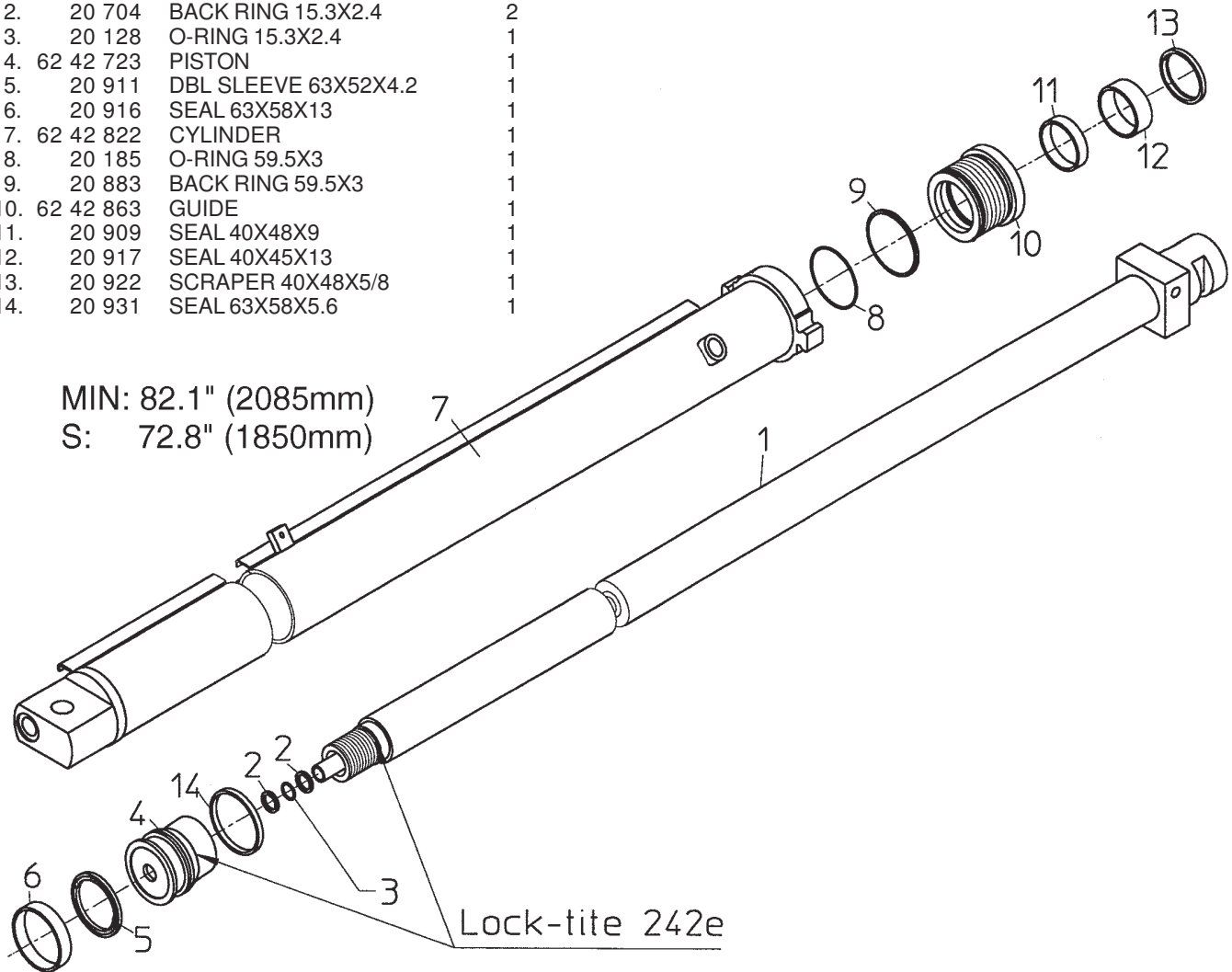
FROM SERIAL NO. 341159 AND UP

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



EXTENSION CYLINDER-C63-1850 (3H)

62 48 160	EXT CYLINDER 3H	
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

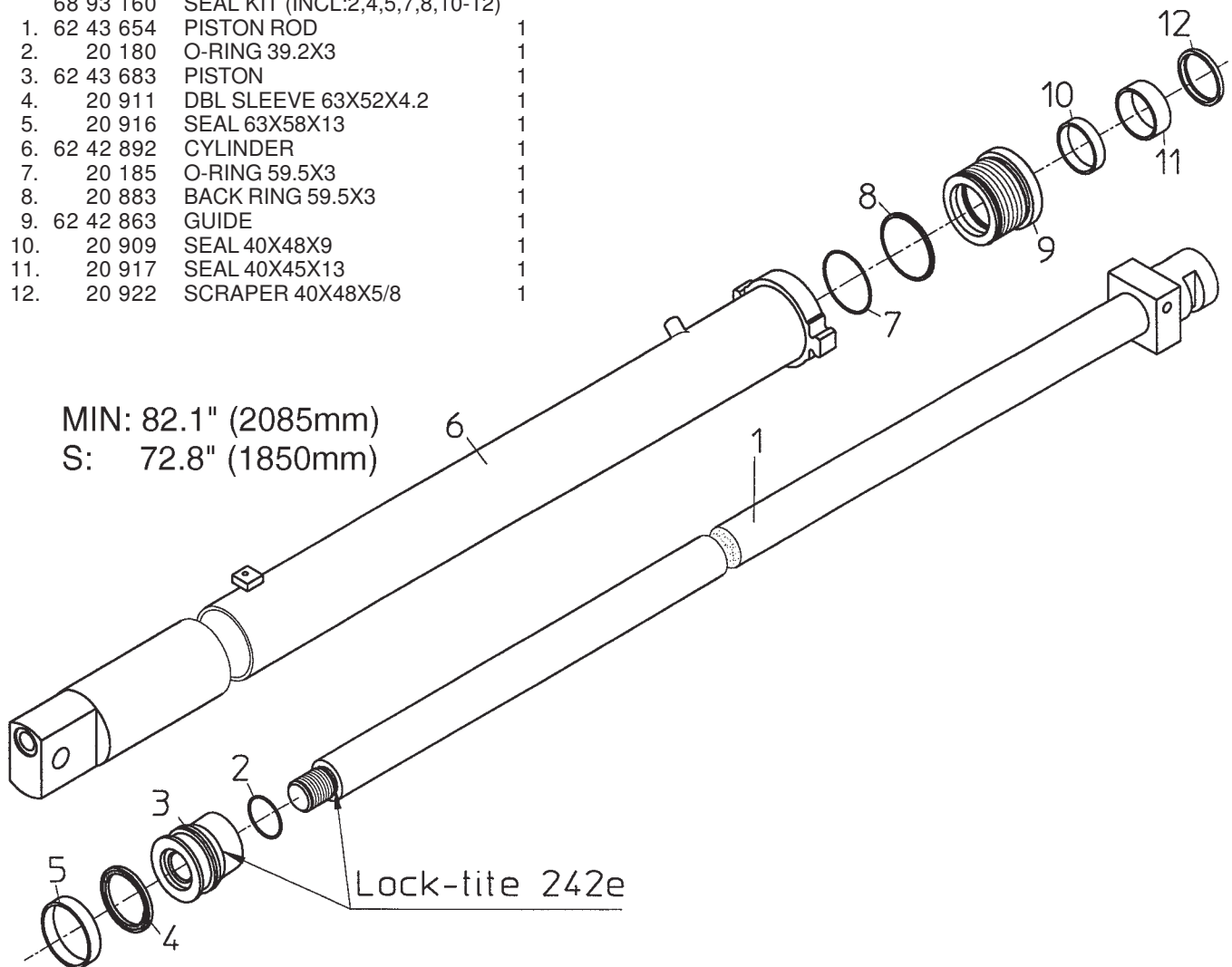


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PARTS-28

EXTENSION CYLINDER-C63-1850 (4H)

	62 48 170	EXT CYLINDER 4H	
	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

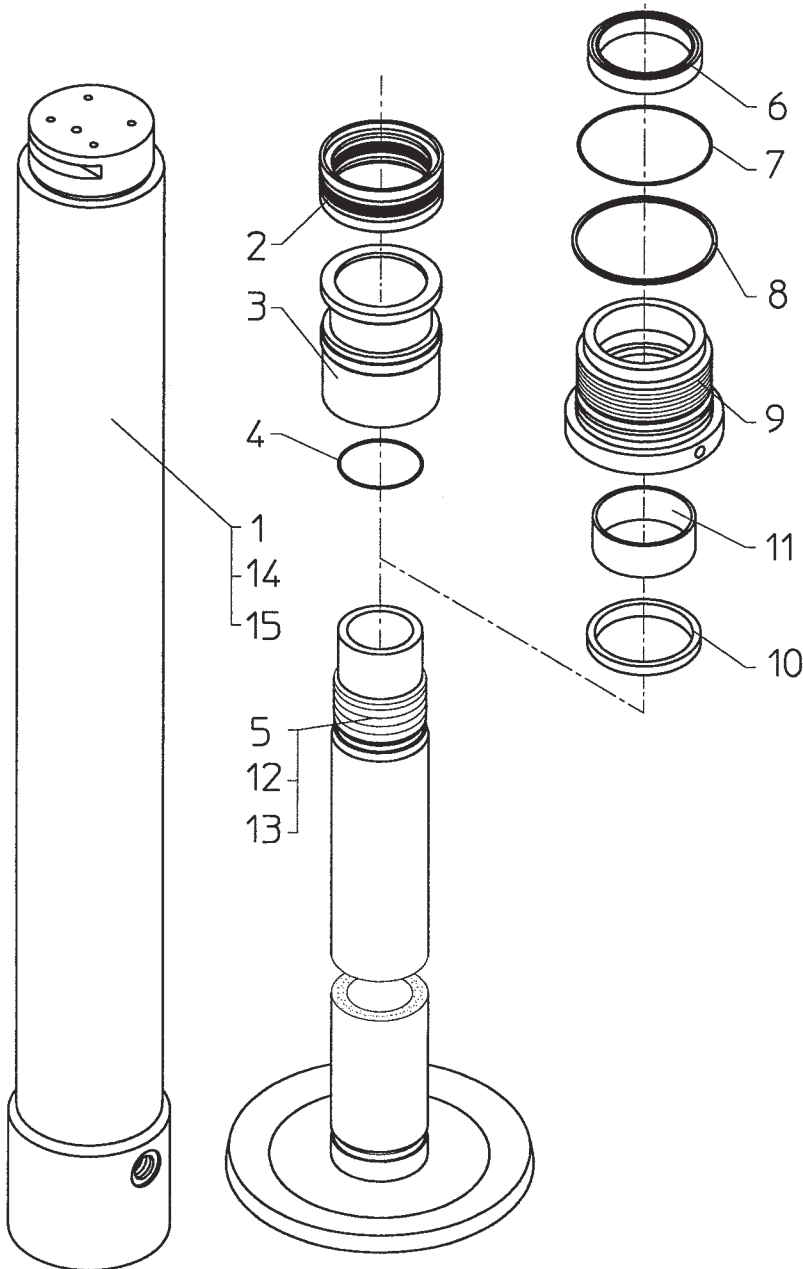
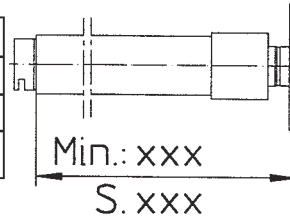


OUTRIGGER CYLINDER-C80-XXX TYPE V

68 93 070	SEAL KIT (INCL:2,4,6,7,8,10,11)	1
62 41 730	OUTRIGGER CYLINDER	
62 44 590	OUTRIGGER CYLINDER	
62 44 600	OUTRIGGER CYLINDER	
1. 62 02 272	CYLINDER	1
2. 20 785	SEAL 80X66X22.5	1
3. 62 41 763	PISTON	1
4. 20 183	O-RING 54.5X3	1
5. 62 41 743	PISTON ROD	1

6. 20 687	SEAL 63X73X13	1
7. 20 190	O-RING 84.5X3	1
8. 20 710	BACK RING 84.5X3	1
9. 61 71 153	GUIDE	1
10. 20 518	SCRAPER 63X75X7/10	1
11. 21 911	BEARING 68/63X25	1
12. 62 44 353	PISTON ROD	1
13. 62 44 373	PISTON ROD	1
14. 62 44 392	CYLINDER	1
15. 62 44 412	CYLINDER	1

TYPE	MIN:	S:
C80-500	28.3"(719mm)	19.7"(500mm)
C80-625	33.2"(844mm)	24.6"(625mm)
C80-800	40.1"(1019mm)	31.5"(800mm)



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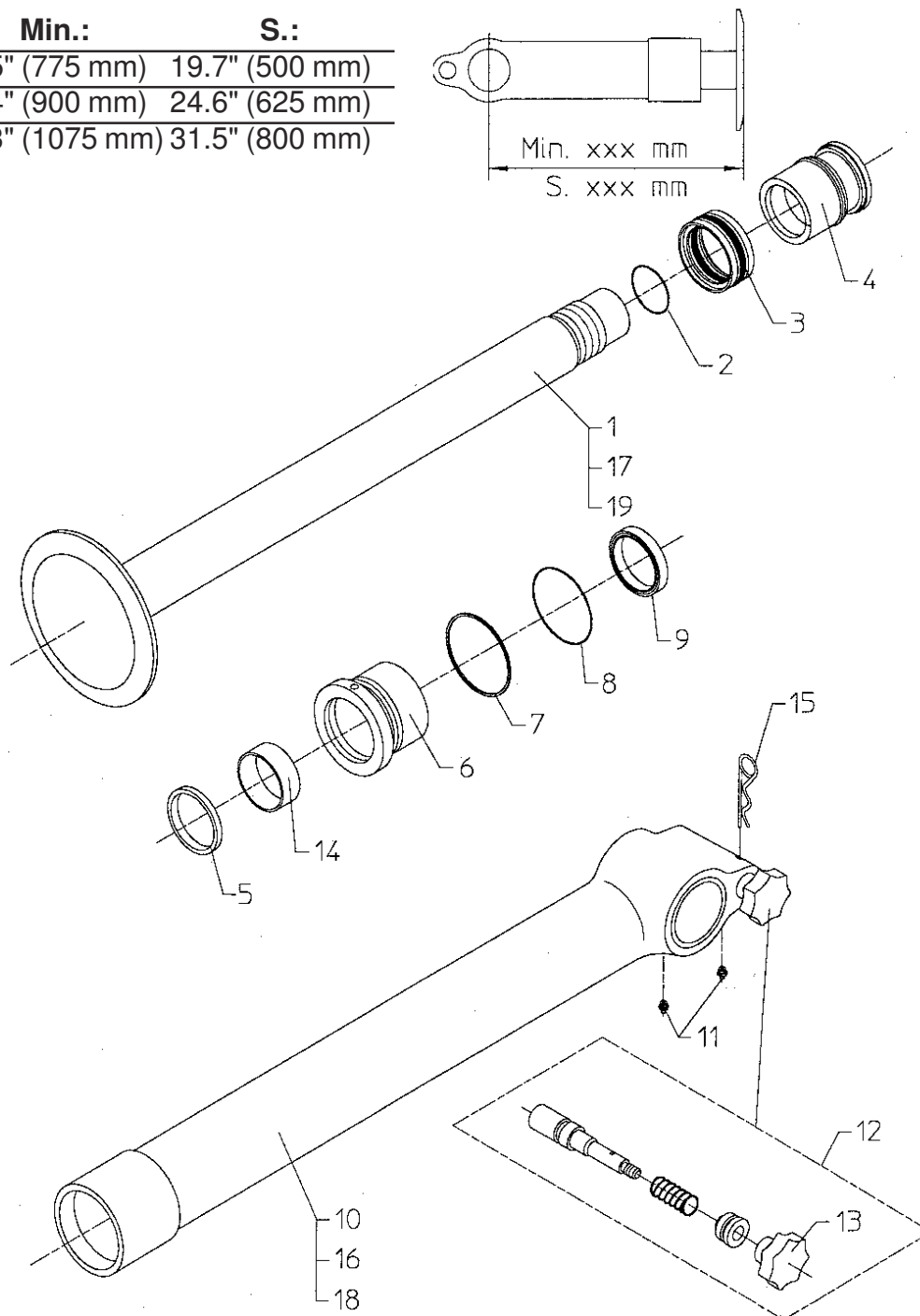
STABILIZER CYLINDER, C80-XXX, TYPE R

68 93 070	SEAL KIT (INCL. 2,3,5,7-9,14)	1
62 44 660	STABILIZER CYL, C80--625	
62 46 290	STABILIZER CYL, C80-800	
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)

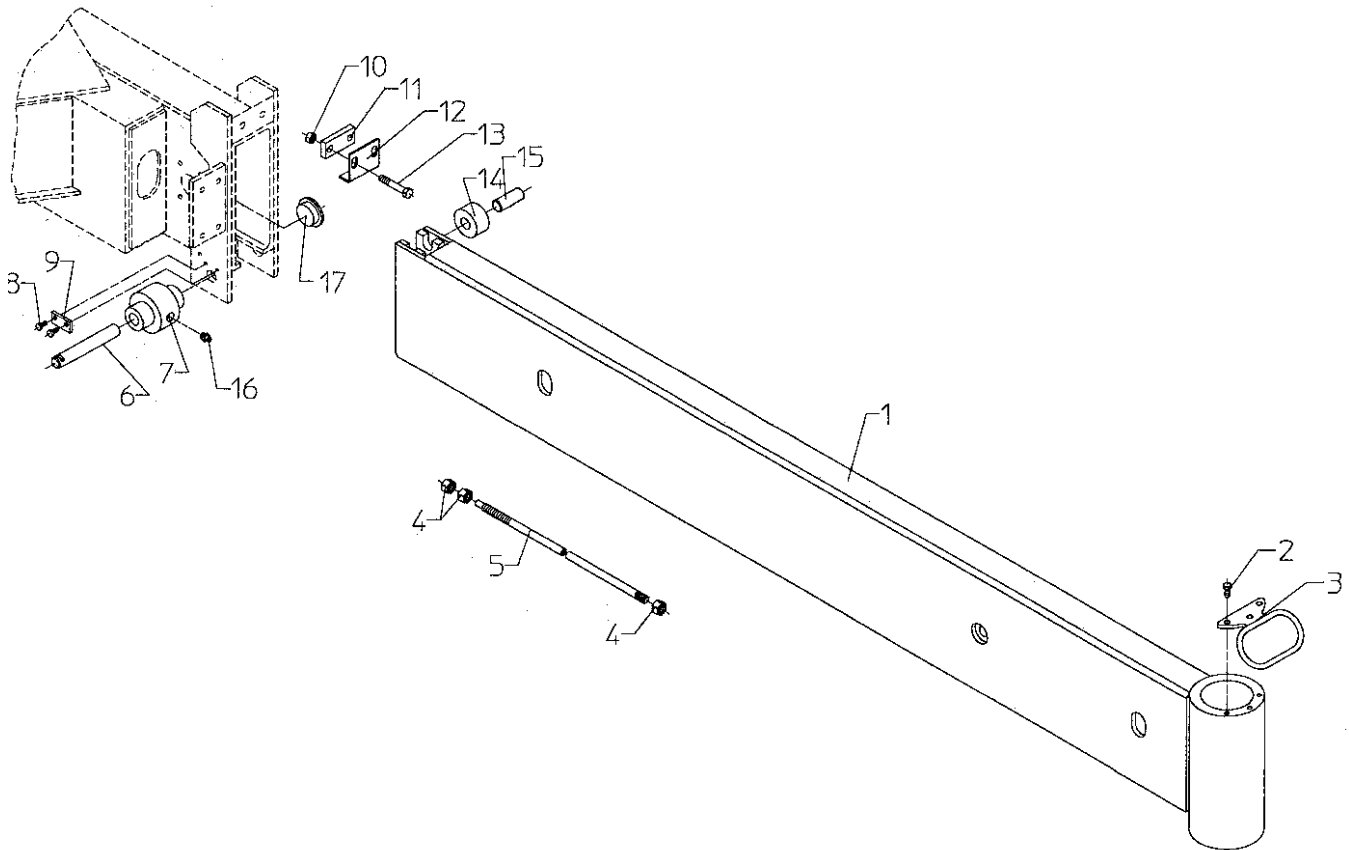


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PARTS-31

OUTRIGGER BEAM-TYPE SV

1.	61 79 343	BEAM-SGLEX	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

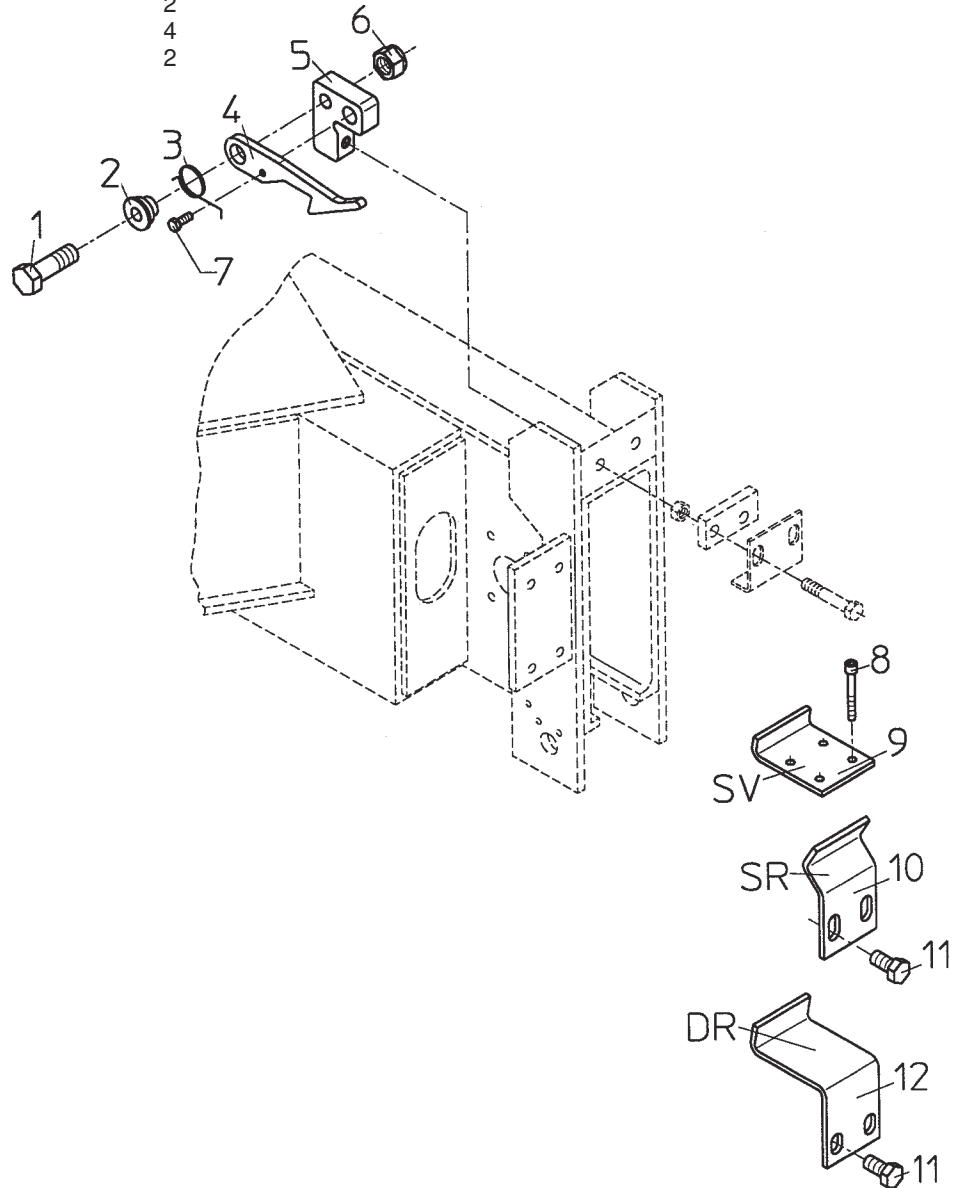


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PARTS-32

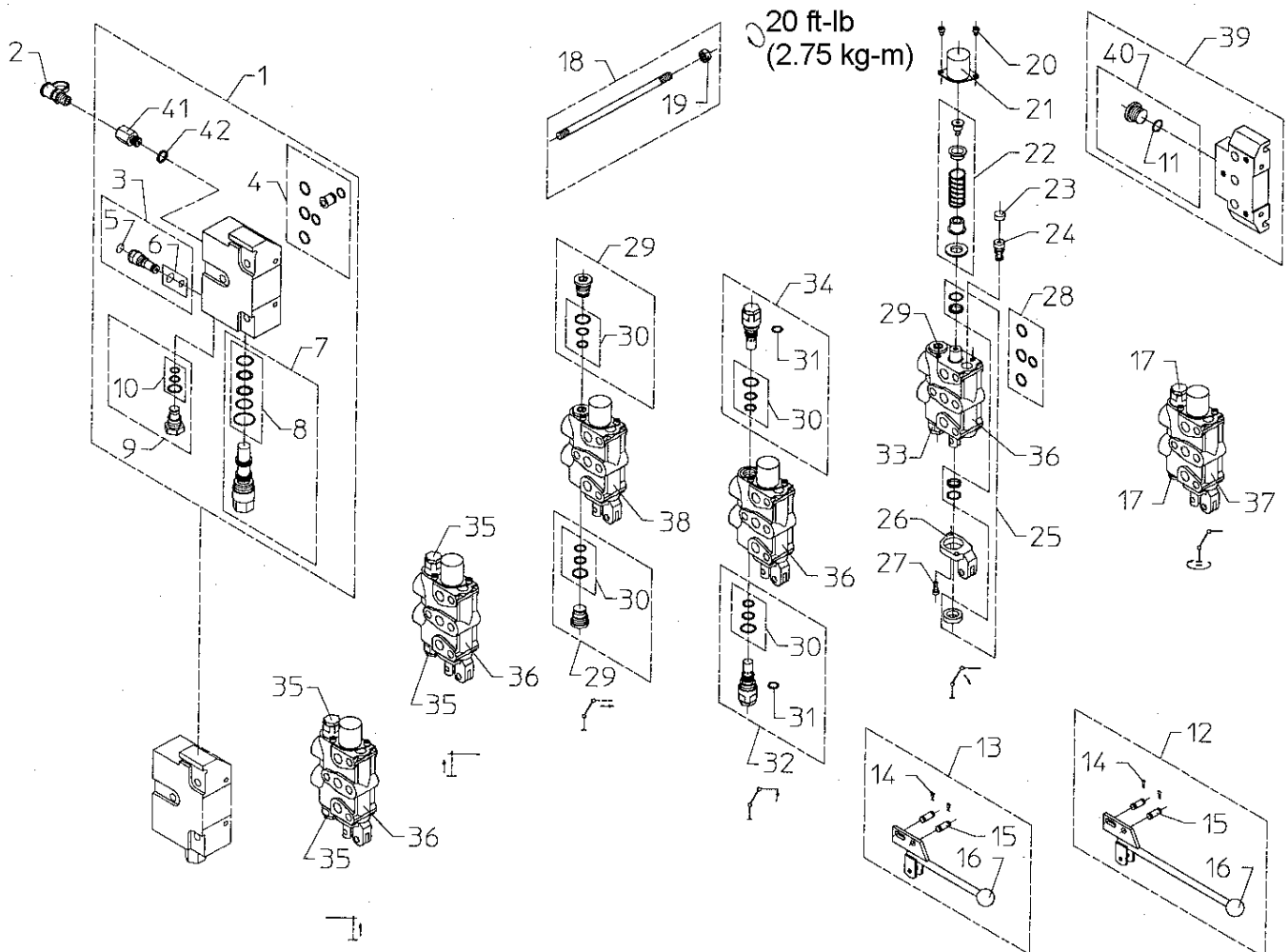
OUTRIGGER LOCK-TYPE SV, SR, DR

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



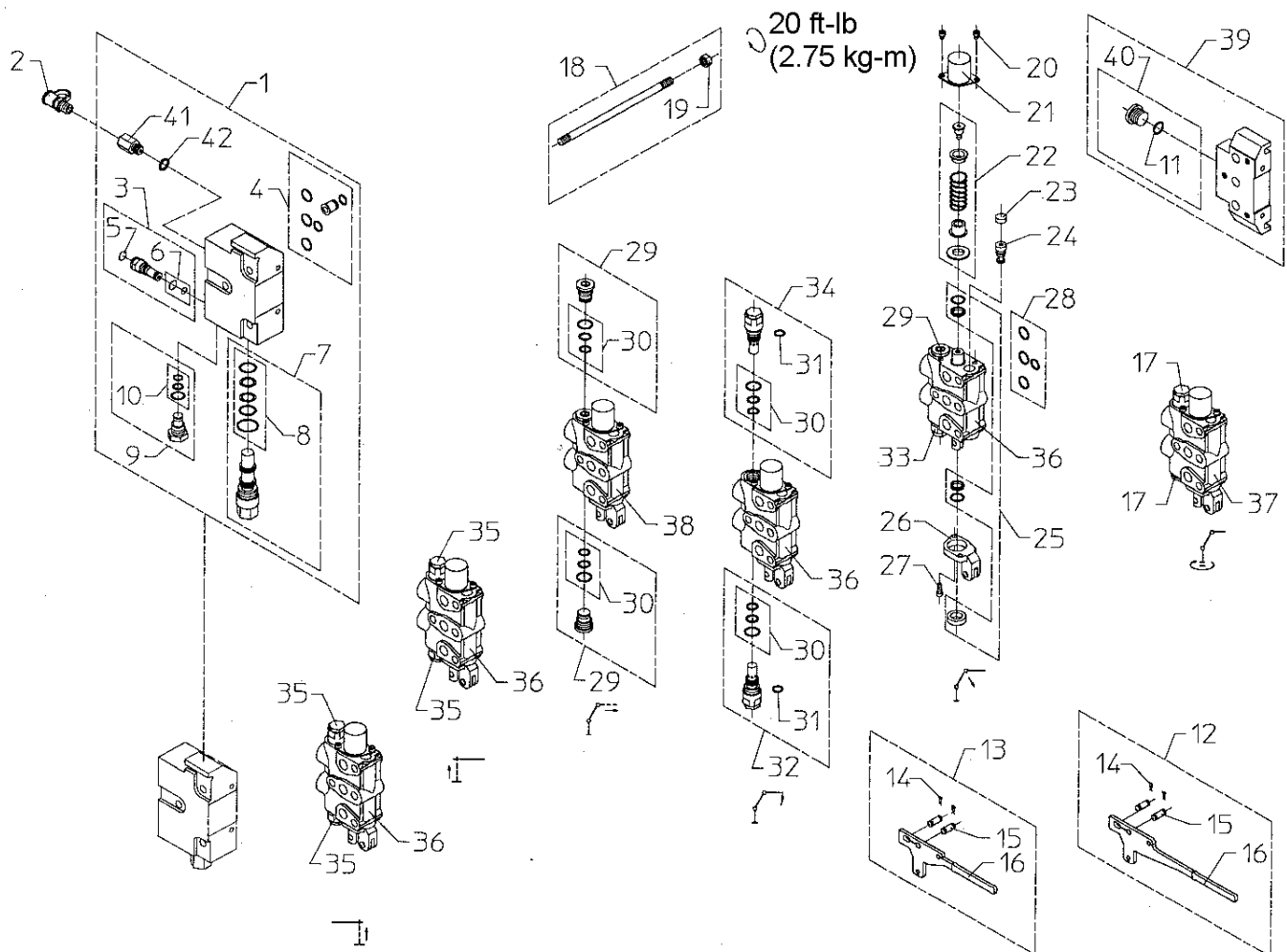
VALVE GROUP RS210

66 48 430	VALVE BLOCK-6 SECTION	1	20.	31 596	SCREW MC5X6
1.	59 529	INLET SECTION	21.	61 353	COVER
2.	59 840	QUICK-RELEASE CPLG M	22.	61 482	SPRING KIT
3.	59 242	RELIEF VALVE	23.	61 688	PLUG
4.	61 782	SEAL KIT	24.	61 480	CHECK VALVE
5.	61 786	WASHER	25.	61 365	SEAL KIT
6.	59 236	SEAL KIT	26.	61 362	BRACKET-LEVER
7.	61 783	FLOW CONTROL VALVE	27.	30 420	SCREW MC5X14
8.	61 774	SEAL KIT	28.	61 490	SEAL KIT
9.	61 780	PLUG	29.	61 479	PLUG
10.	61 781	SEAL KIT	30.	61 493	SEAL KIT
11.	20 129	O-RING	31.	20 121	O-RING 13.3X2.4
12.	66 31 280	CONTROL LEVER-LONG	32.	61 670	RELIEF & ANTI-CAV VALVE 175BAR
13.	66 31 270	CONTROL LEVER-SHORT	33.	61 520	RELIEF & ANTI-CAV VALVE 75BAR
14.	61 320	LOCK-PIN	34.	61 771	PORT RELIEF VALVE-275BAR
15.	61 364	PIN	35.	61 467	PORT RELIEF VALVE-150BAR
16.	64 262	BALL Ø32X10MM	36.	59 141	CONTROL VALVE-1H
17.	61 476	RELIEF & ANTI-CAV VALVE 150BAR	37.	59 142	CONTROL VALVE-1M
18.	59 585	KIT-STAY BOLT-6 SECT 334MM	38.	59 143	CONTROL VALVE-4H
19.	30 888	LOCK NUT M10	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

66 48 430	VALVE BLOCK-6 SECTION	1	20.	31 596	SCREW MC5X6
1.	59 529	INLET SECTION	21.	61 353	COVER
2.	59 840	QUICK-RELEASE CPLG M	22.	61 482	SPRING KIT
3.	59 242	RELIEF VALVE	23.	61 688	PLUG
4.	61 782	SEAL KIT	24.	61 480	CHECK VALVE
5.	61 786	WASHER	25.	61 365	SEAL KIT
6.	59 236	SEAL KIT	26.	61 362	BRACKET-LEVER
7.	61 783	FLOW CONTROL VALVE	27.	30 420	SCREW MC5X14
8.	61 774	SEAL KIT	28.	61 490	SEAL KIT
9.	61 780	PLUG	29.	61 479	PLUG
10.	61 781	SEAL KIT	30.	61 493	SEAL KIT
11.	20 129	O-RING	31.	20 121	O-RING 13.3X2.4
12.	68 82 770	CONTROL LEVER-LONG	32.	61 670	RELIEF & ANTI-CAV VALVE 175BAR
13.	68 82 760	CONTROL LEVER-SHORT	33.	61 520	RELIEF & ANTI-CAV VALVE 75BAR
14.	61 320	LOCK-PIN	34.	61 771	PORT RELIEF VALVE-275BAR
15.	61 364	PIN	35.	61 467	PORT RELIEF VALVE-150BAR
16.	48 406	KNOB	36.	59 141	CONTROL VALVE-1H
17.	61 476	RELIEF & ANTI-CAV VALVE 150BAR	37.	59 142	CONTROL VALVE-1M
18.	59 585	KIT-STAY BOLT-6 SECT 334MM	38.	59 143	CONTROL VALVE-4H
19.	30 888	LOCK NUT M10	39.	61 426	OUTLET SECTION
			40.	61 366	PLUG 1/2"
			41.	25 859	SOCKET NV 18
			42.	21 102	SEAL WASHER $\varnothing 14 \times 18.7 \times 1.5$

FROM SERIAL NO. 340887 AND UP

12/89: 505 05 020: 20020909

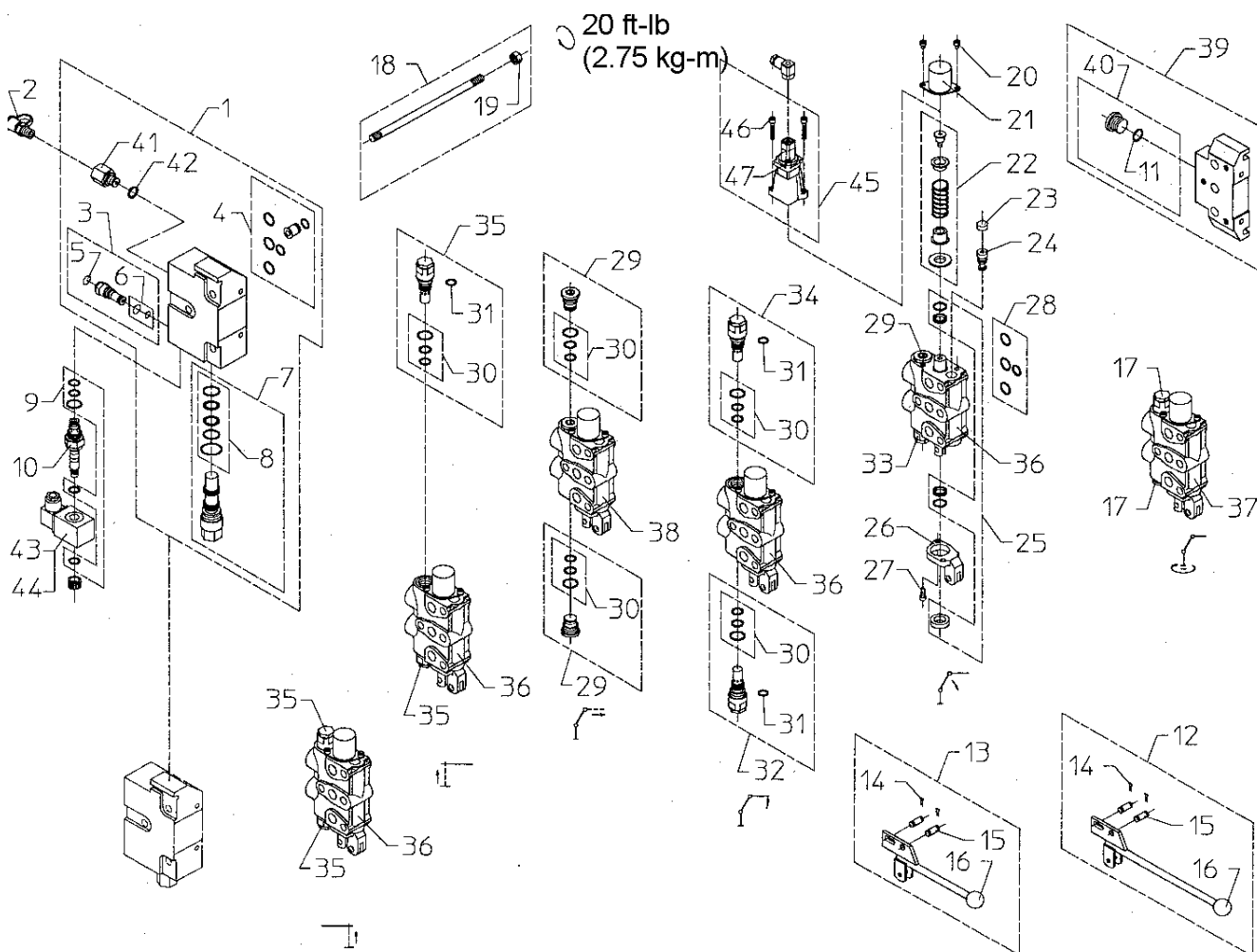
VALVE GROUP, RS210-CE

	66 49 140	VALVE BLOCK, 6 SECTION CE	1
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.	61 779	SEAL KIT	
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 $\varnothing 32$ 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-35

23.	61 688	PLUG
24.	61 480	CHECK VALVE
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 $\varnothing 14$ 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. 340480 THROUGH 340886



12/89: 505 05 021: 20020909

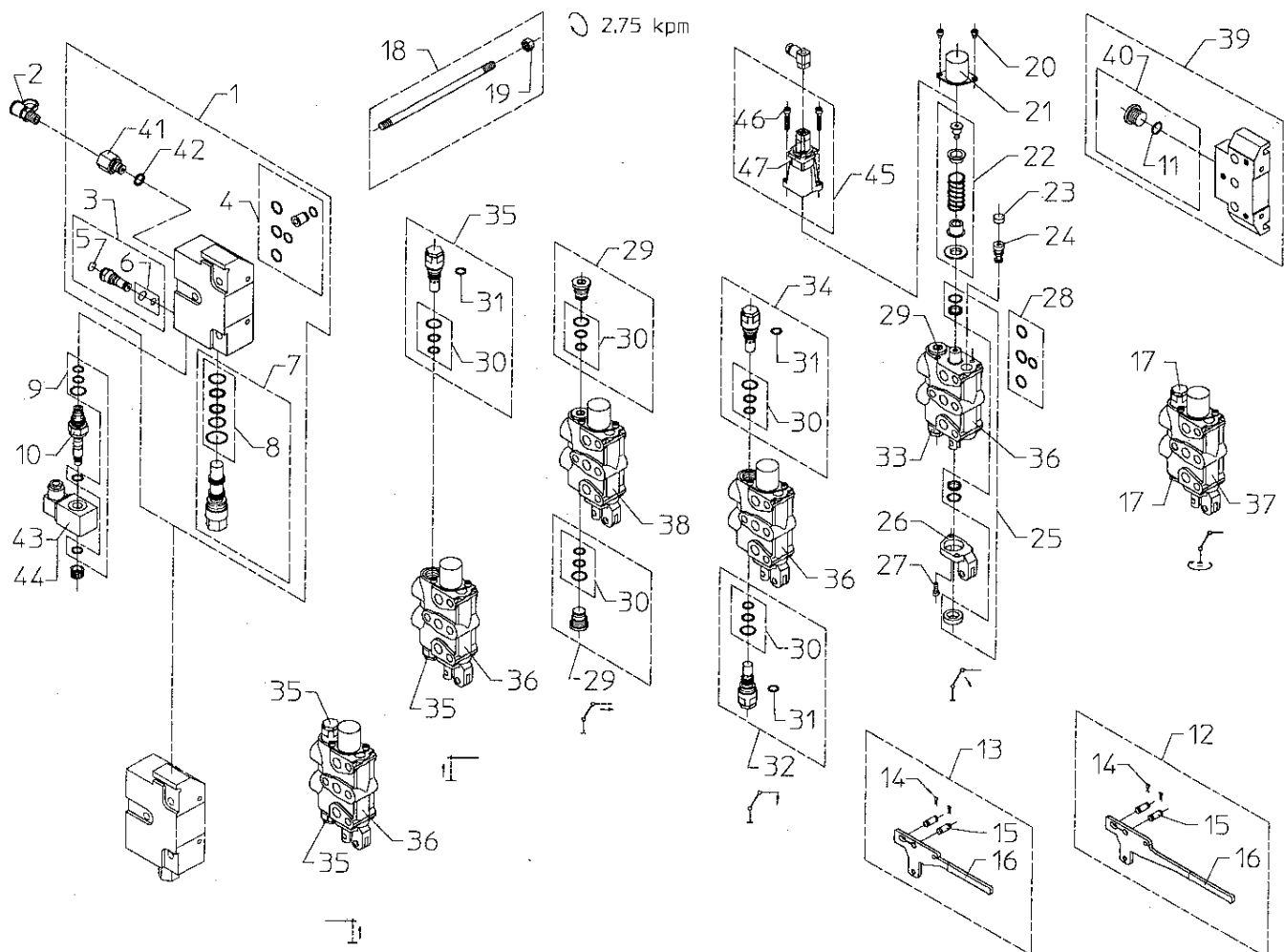
VALVE GROUP, RS210-CE

	66 49 140	VALVE BLOCK, 6 SECTION CE	1
1.	59 529	INLET SECTION	
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.	61 779	SEAL KIT	
10.	59 642	MAGNETIC CARTRIDGE	
11.	20 129	O-RING 17.3 X 2.4	
12.	68 82 770	CONTROL LEVER, LONG	
13.	68 82 760	CONTROL LEVER, SHORT	
14.	61 320	LOCK FOR PIN	
15.	61 634	PIN	
16.	48 406	KNOB	
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-36

23.	61 688	PLUG
24.	61 480	CHECK VALVE
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 $\varnothing 14 \times 18.7 \times 1.5$
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



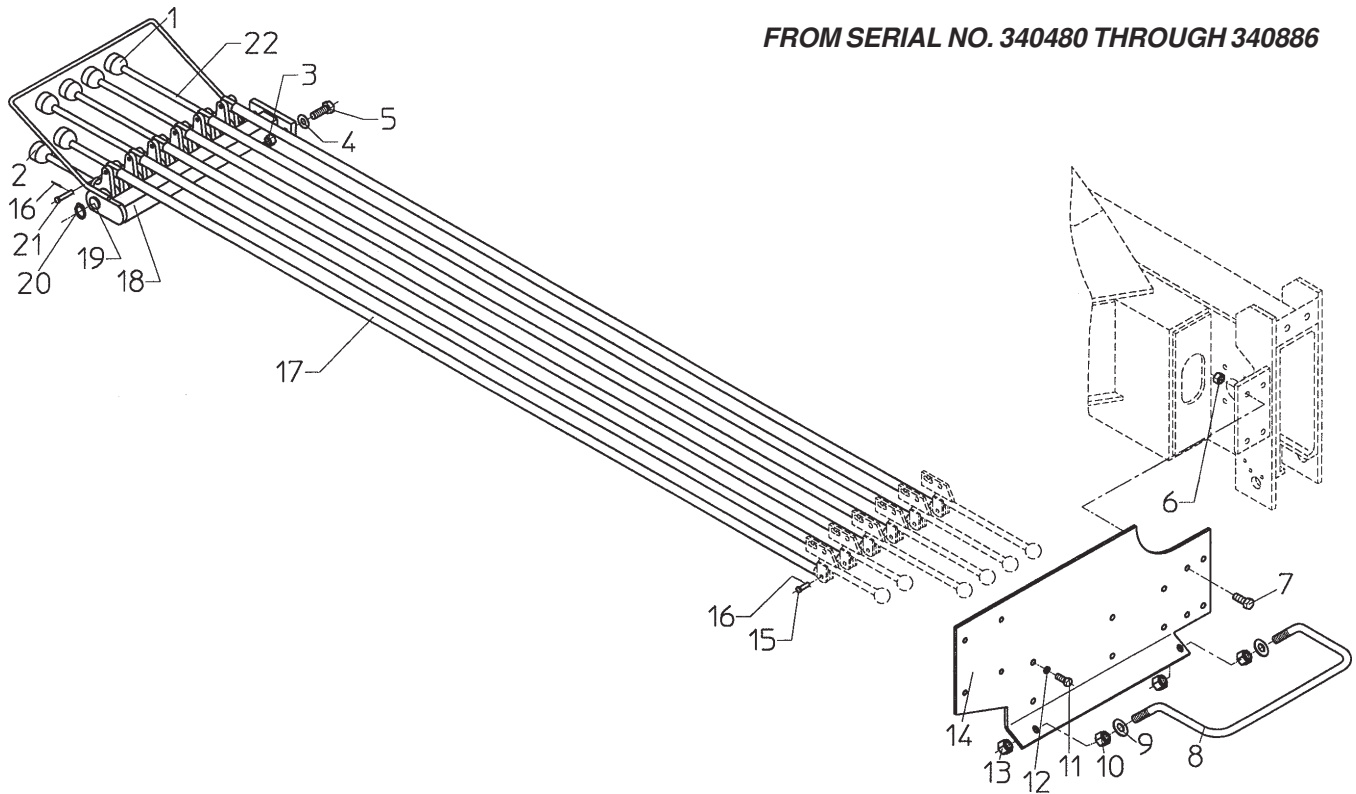
12/89: 505 05 100: 19990630

PARTS-37

VALVE BRACKET & DUAL CONTROL

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

FROM SERIAL NO. 340480 THROUGH 340886



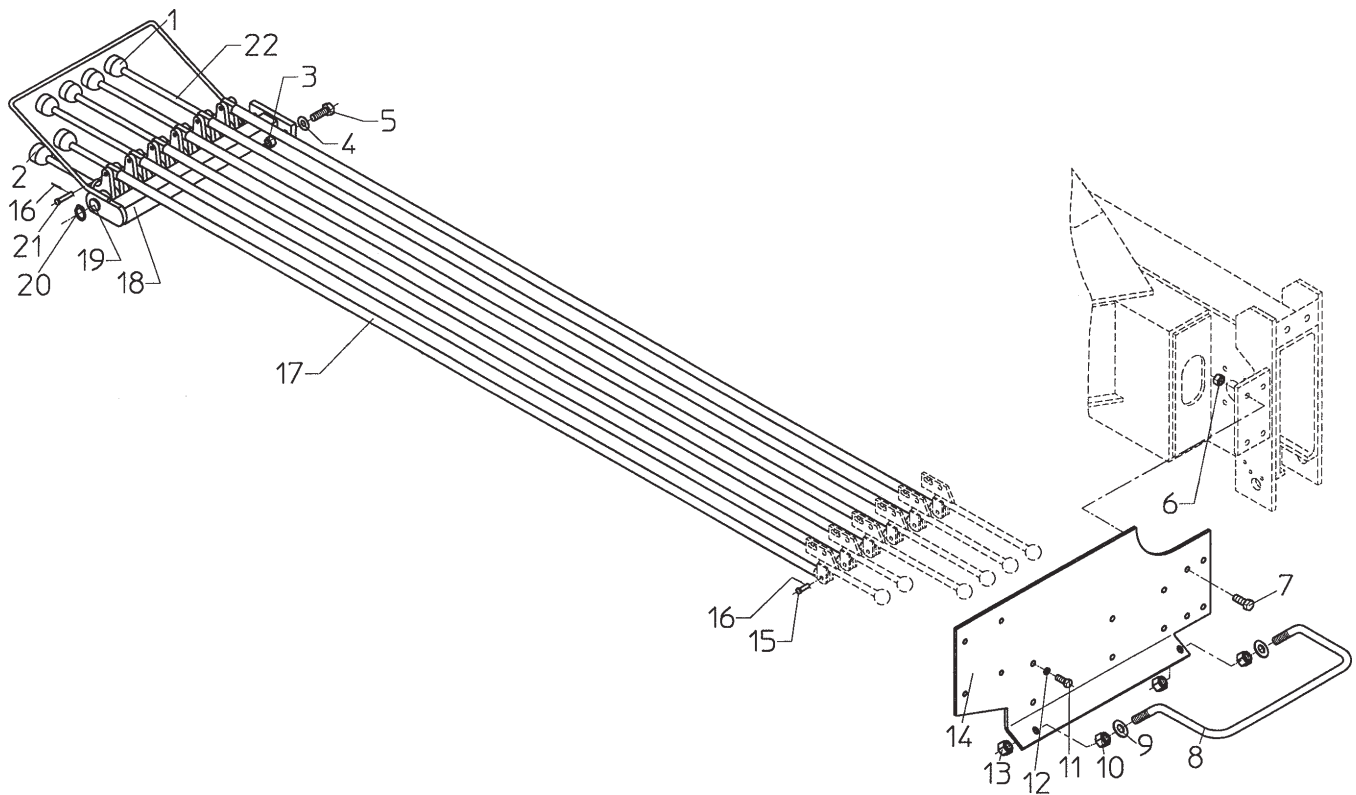
12/89: 505 05 101: 20020909

PARTS-38

VALVE BRACKET & DUAL CONTROL

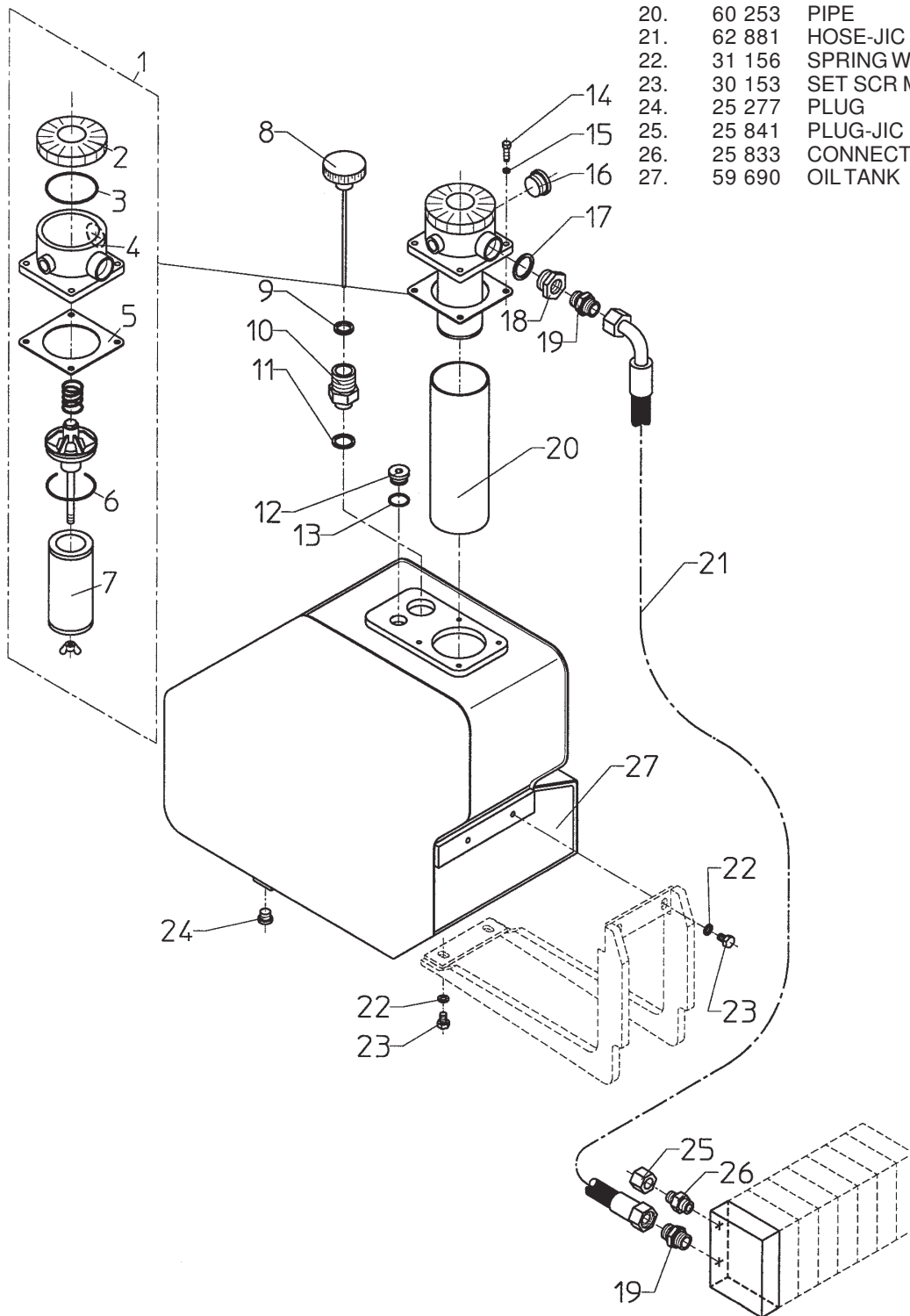
1.	64 256	BALL W/BUSHING	6	12.	31 155	SPRING WASHER 8MM	4
2.	66 60 933	CONTROL LEVER-SHORT	2	13.	30 890	LOCK NUT M12	2
3.	30 888	LOCK NUT M10	2	14.	62 16 673	VALVE BRACKET	1
4.	31 172	WASHER 10MM	2	15.	31 271	COTTER BOLT Ø6X20	6
5.	30 156	SET SCR M10X30	2	16.	31 601	SPLIT PIN Ø1.5X20	12
6.	30 886	LOCK 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



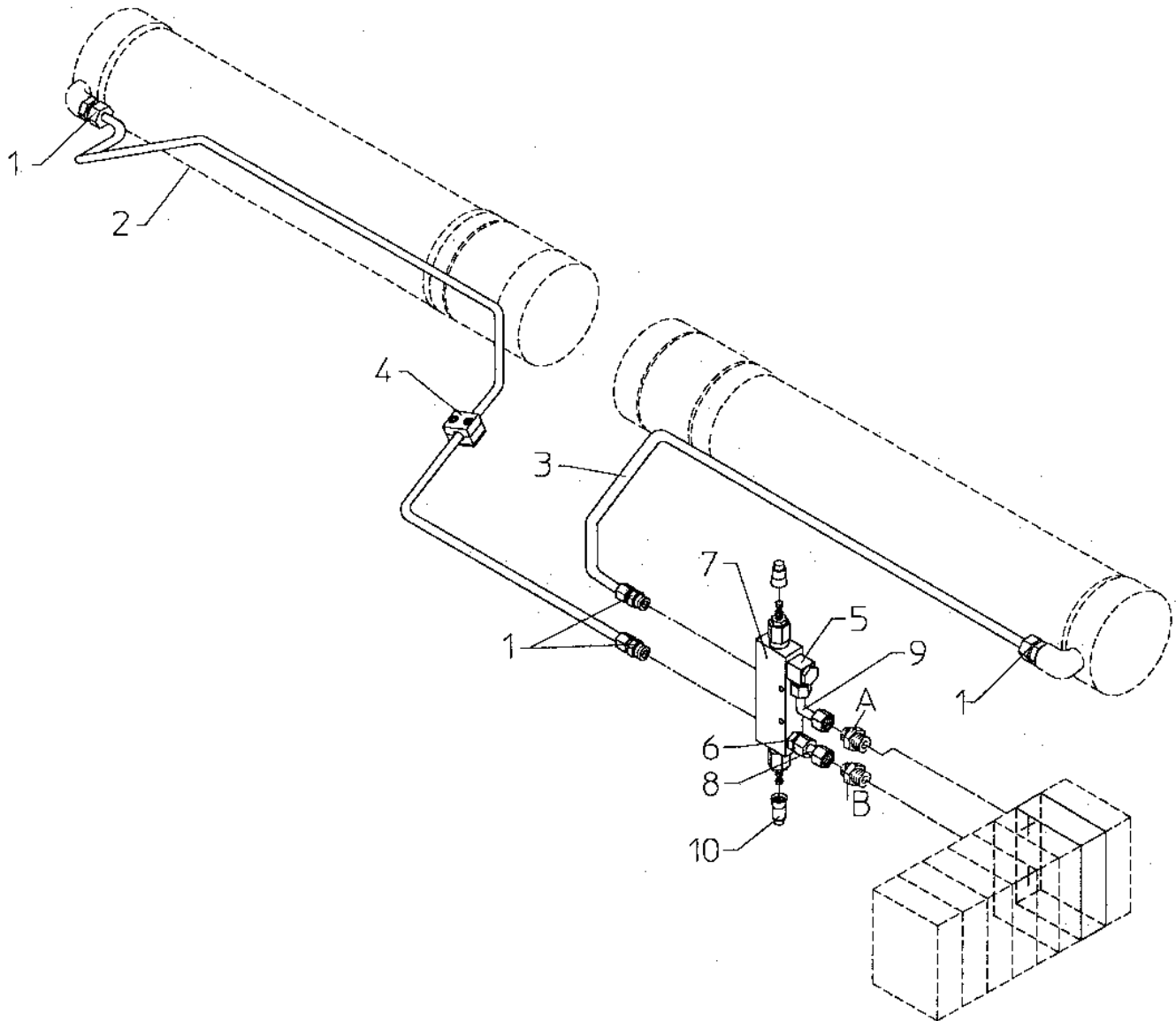
HYDRAULIC SYSTEM-PUMP & TANK

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		16.	26 321	PLUG	1
8.	59 301	FILLER PLUG	1	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



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



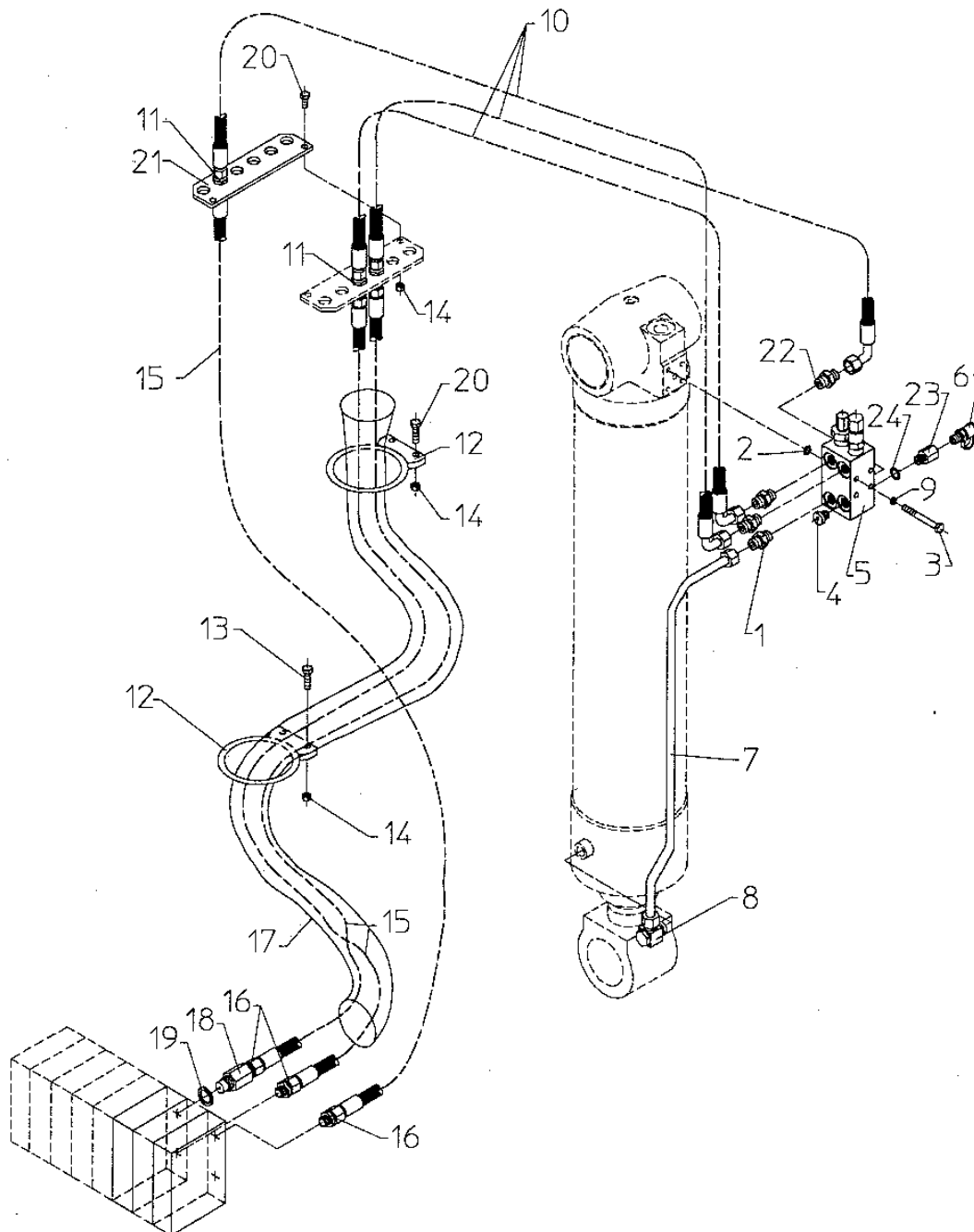
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HYDRAULIC SYSTEM-INNER BOOM CYLINDER

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	BULKHID CONNECTION-JIC	3

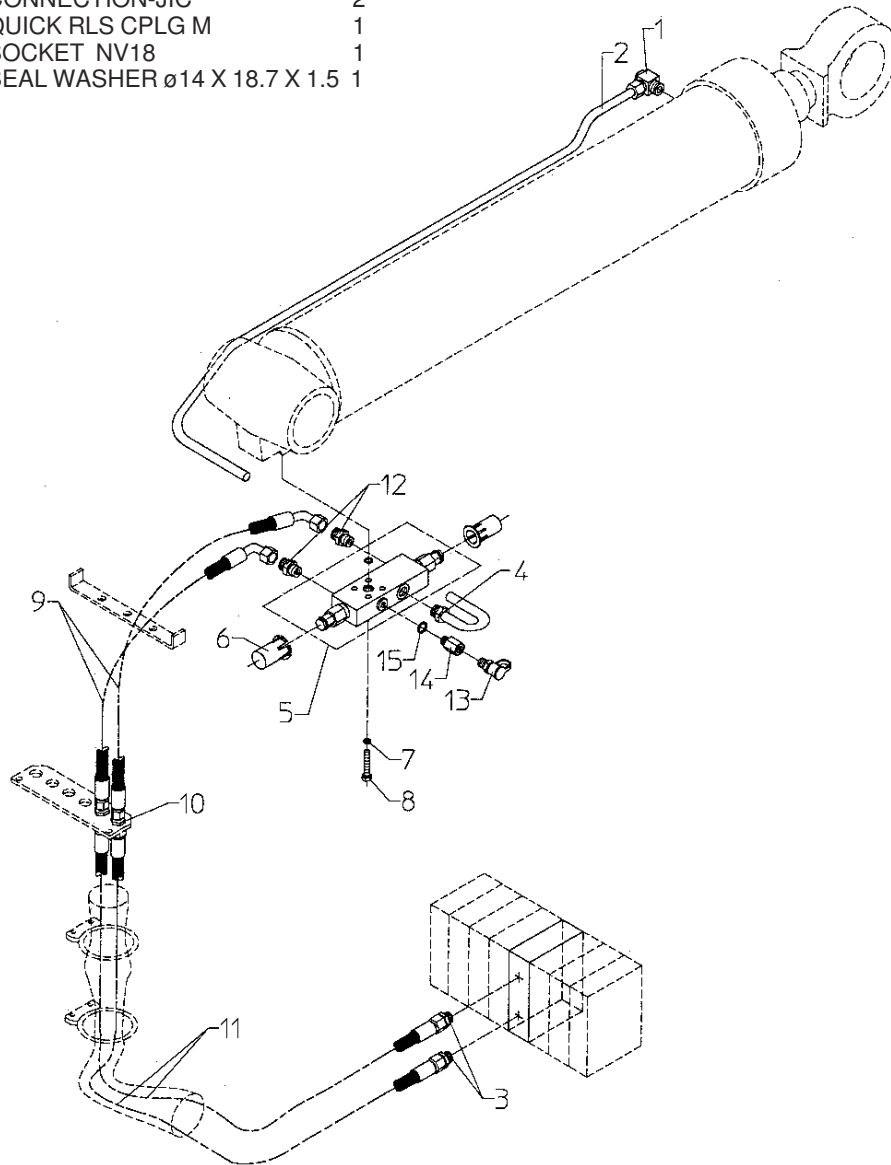
PARTS-41

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



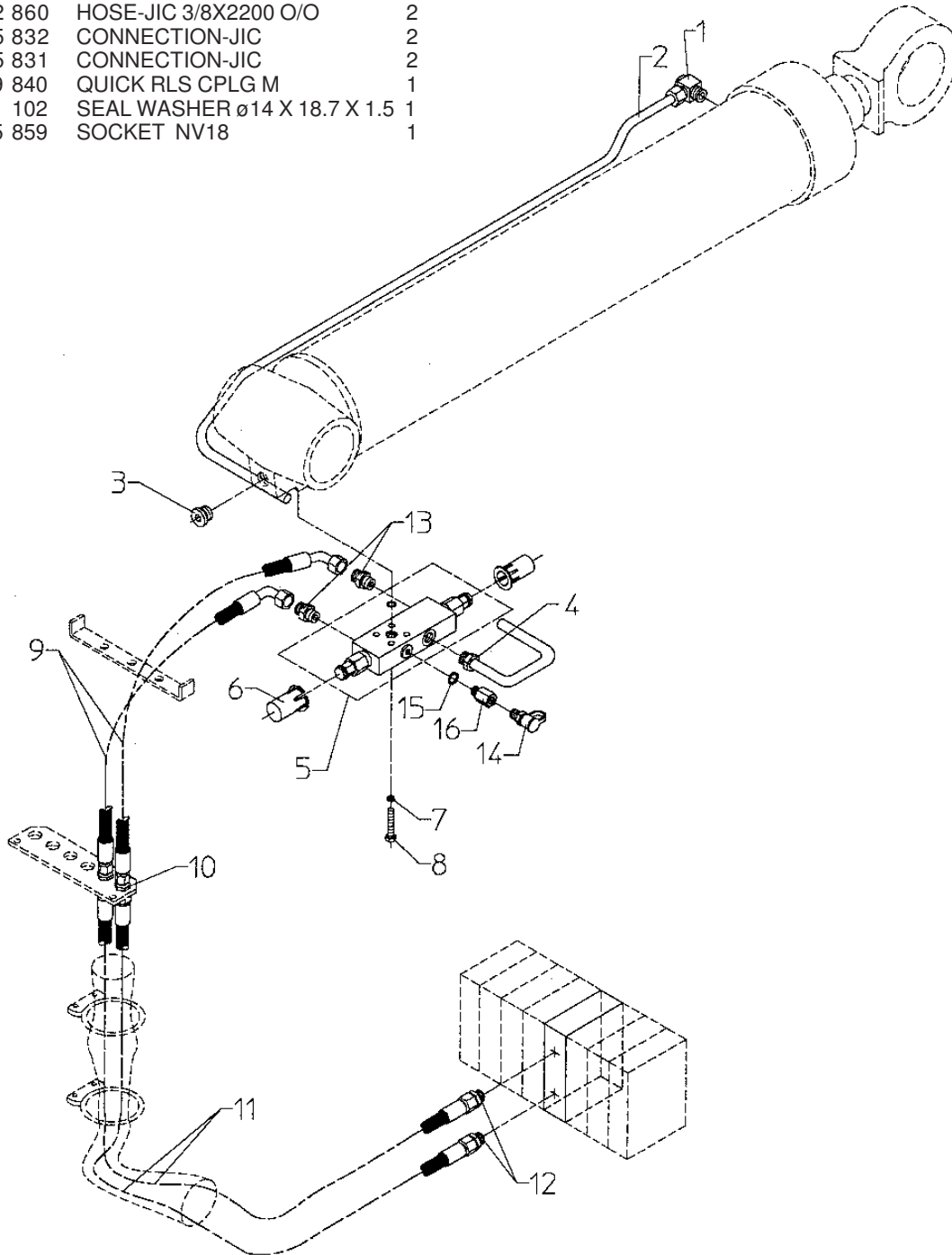
HYDRAULIC SYSTEM-OUTER BOOM CYLINDER

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 $\varnothing 14 \times 18.7 \times 1.5$	1



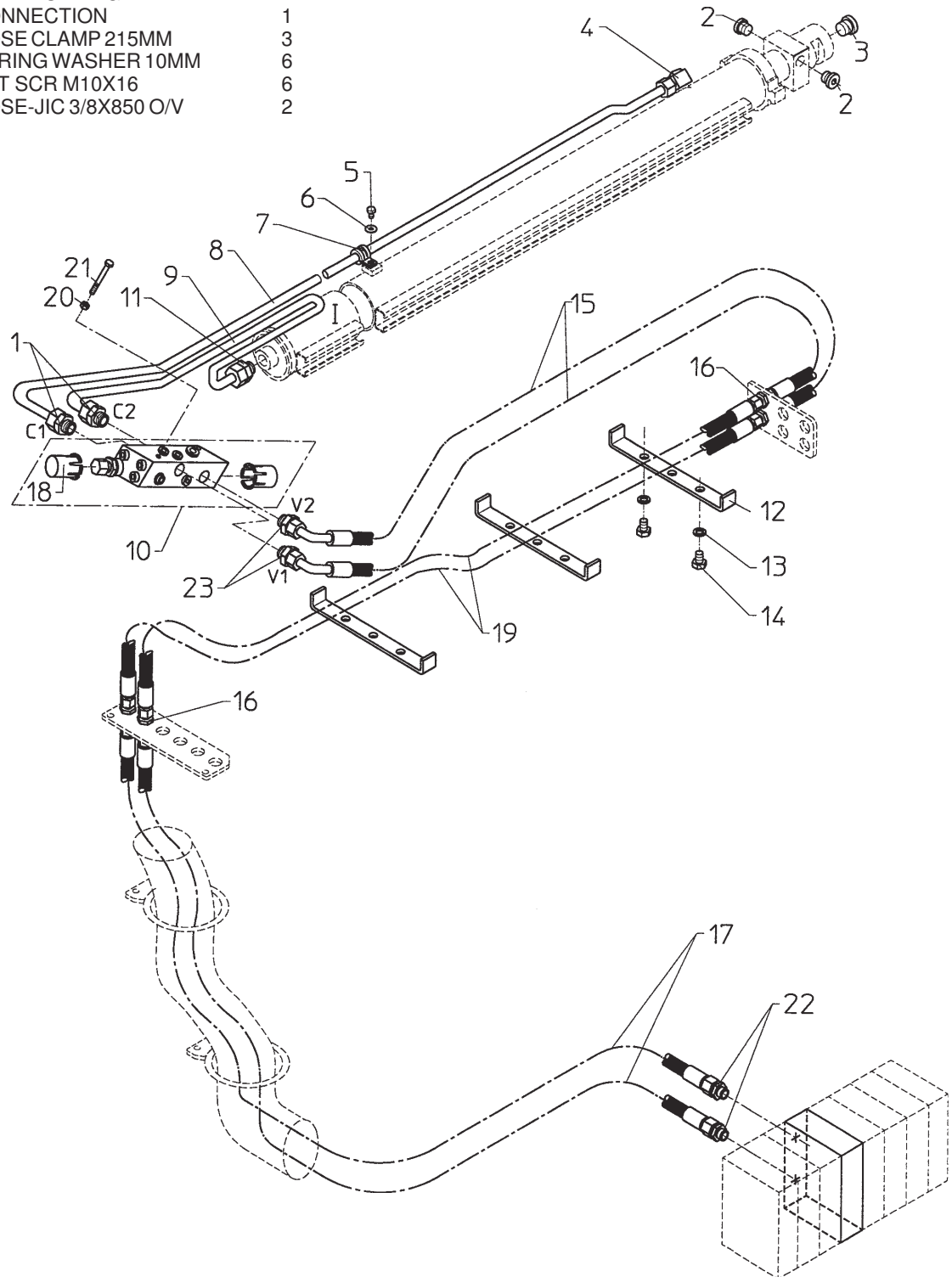
HYDRAULIC SYSTEM-OUTER CYLINDER (4H)

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 $\varnothing 14 \times 18.7 \times 1.5$	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	WASHER 6MM	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				



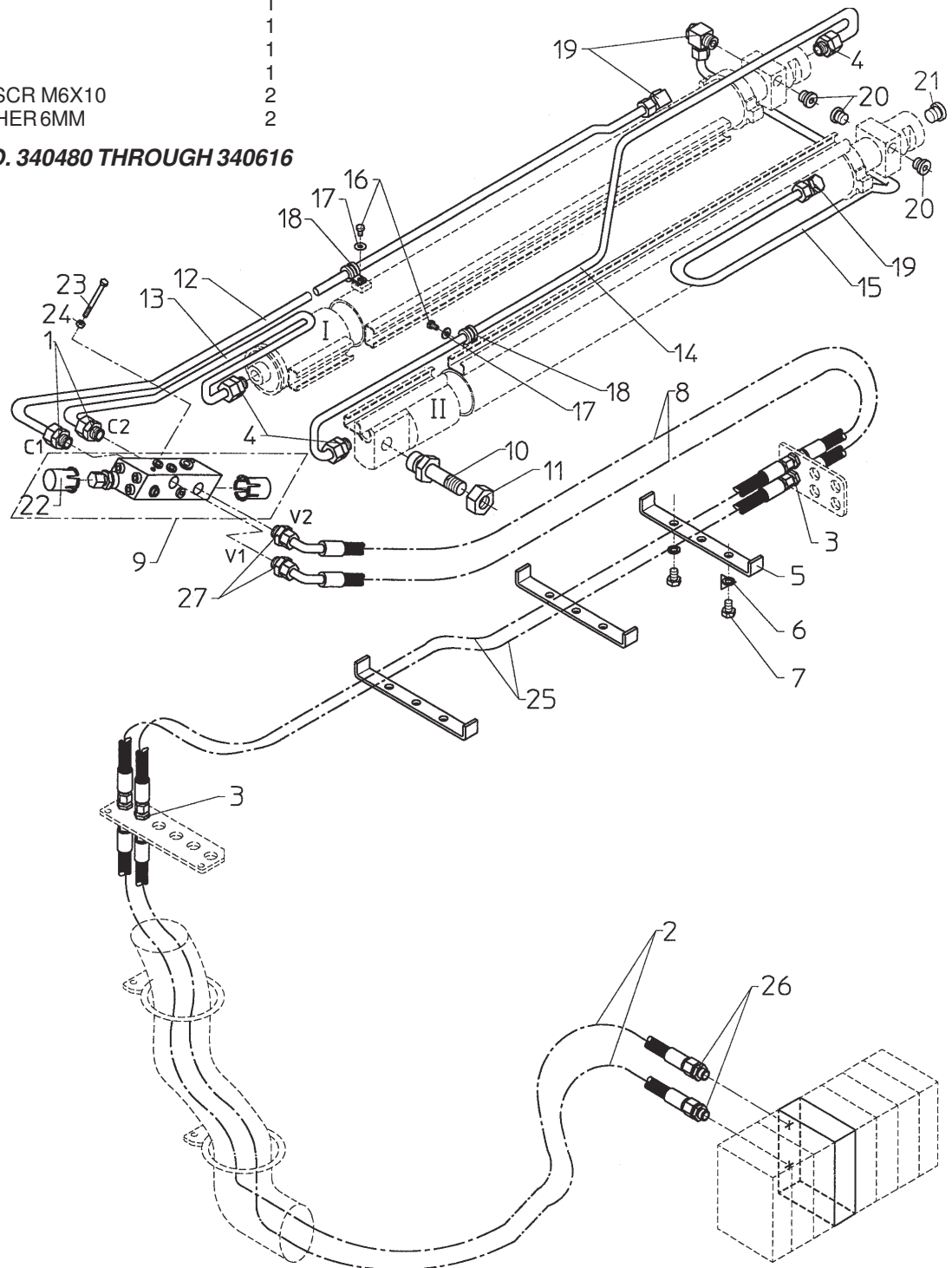
12/89: 505 05 360: 19990630

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HYDRAULIC SYSTEM-EXTENSION CYLINDER (2H)

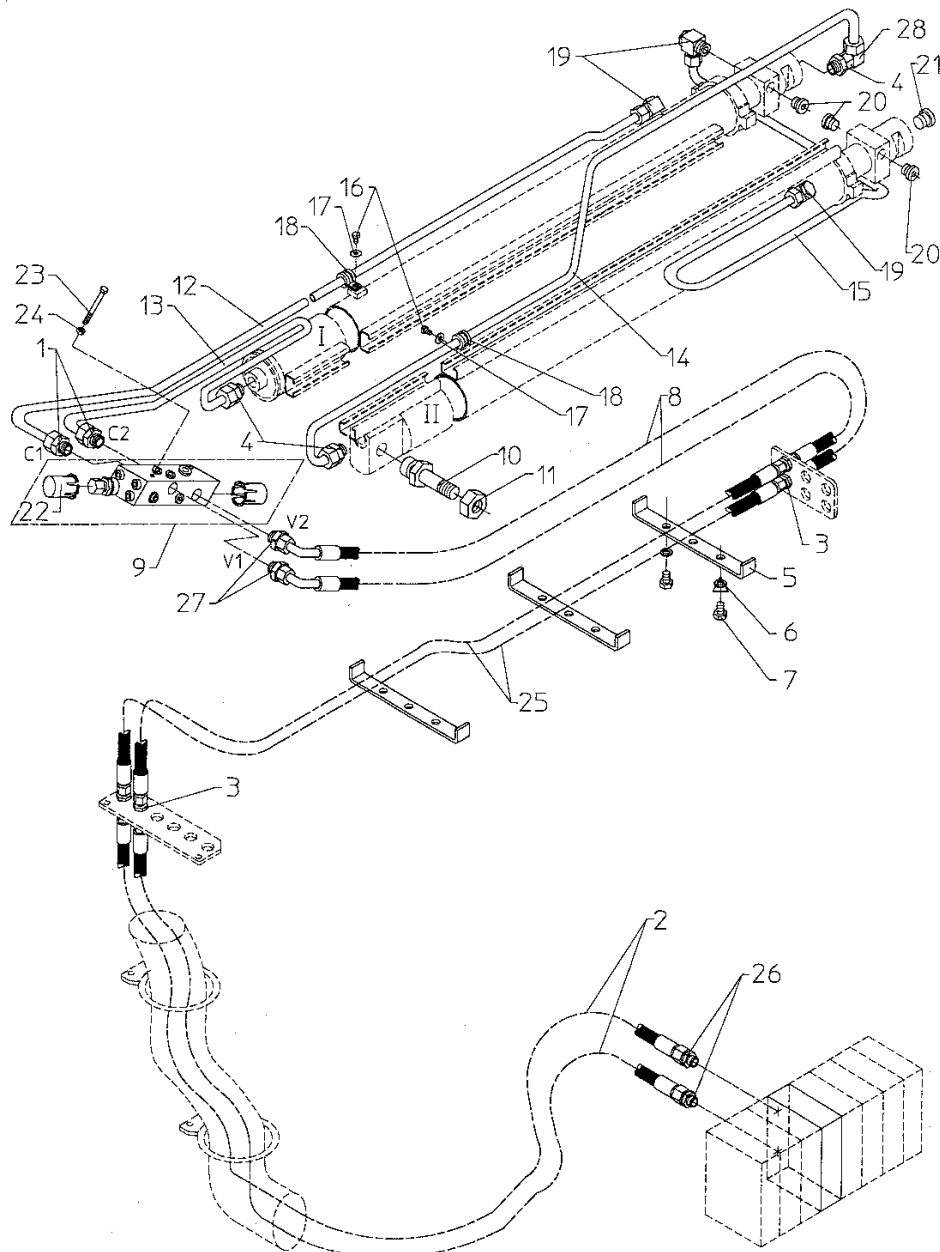
1.	25 127	CONNECTION	2	18.	27 974	CLIP	2
2.	62 860	HOSE-JIC 3/8X2200 O/O	2	19.	25 130	BANJO CONNECTION	3
3.	25 824	BULKHD CONNECTION-JIC	4	20.	25 277	PLUG	3
4.	25 108	CONNECTION	3	21.	25 347	PLUG 1/2"	1
5.	61 41 664	HOSE CLAMP 215MM	3	22.	59 908	CAP	
6.	31 156	SPRING WASHER 10MM	6	23.	30 199	STEEL BOLT 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



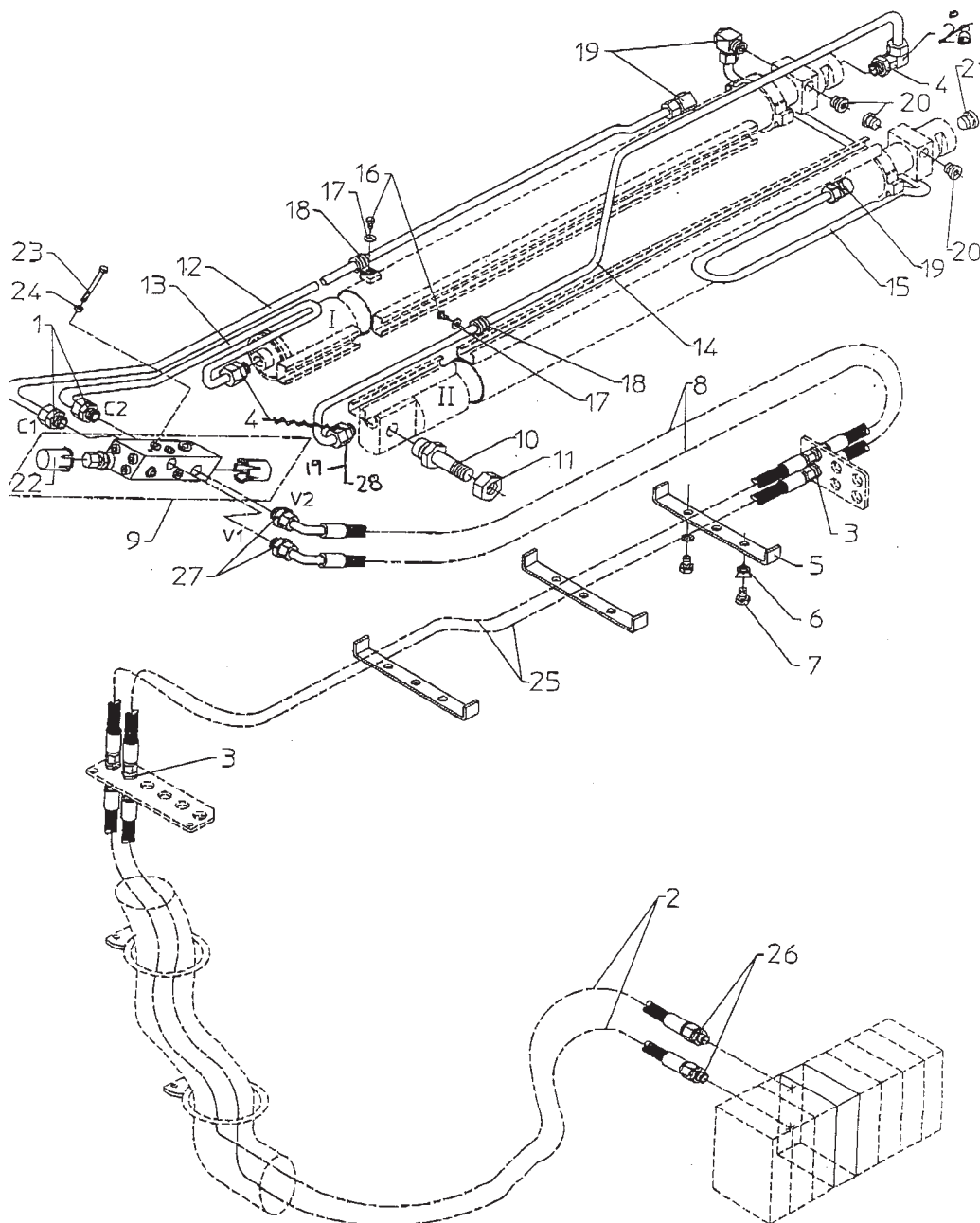
HYDRAULIC SYSTEM-EXTENSION CYLINDER (2H)

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.	62 47 294	PIPE	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	1
12.	62 43 724	PIPE	1		(was 25 244)		
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

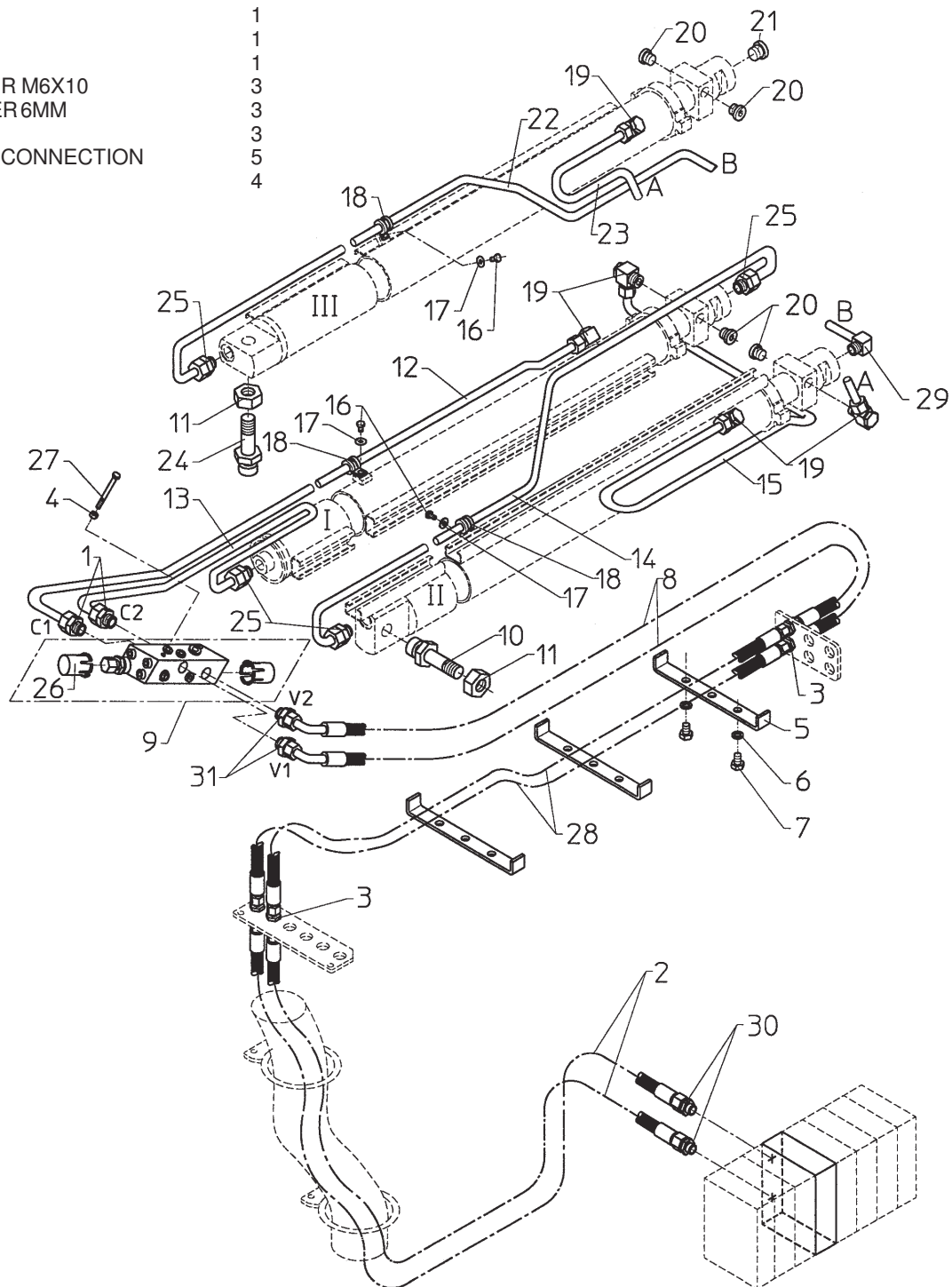
PARTS-48

HYDRAULIC SYSTEM-EXTENSION CYLINDER (3H)

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

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



12/89: 505 05 371: 20020909

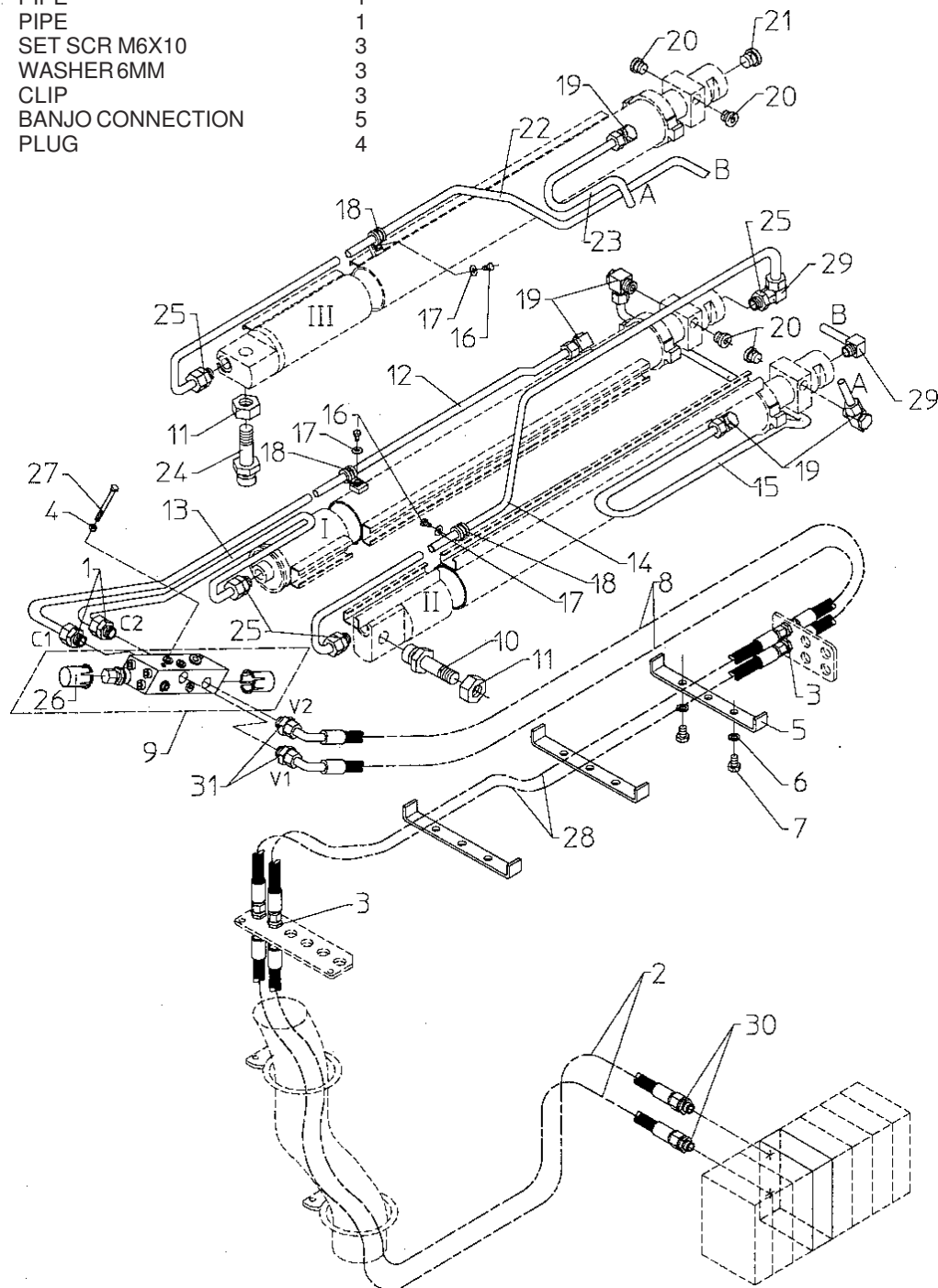
PARTS-49

HYDRAULIC SYSTEM-EXTENSION CYLINDER (3H)

1.	25 127	CONNECTION	2
2.	62 860	HOSE-JIC 3/8X2200 O/O	2
3.	25 824	BULKHD CONNECTION-JIC	4
4.	30 854	NUT M6	2
5.	61 41 664	HOSE CLAMP 215MM	3
6.	31 156	SPRING WASHER 10MM	6
7.	30 156	SET SCR M10X30	1
8.	62 879	HOSE-JIC 3/8X850 O/V	2
9.	59 022	LOAD HOLDING VALVE	1
10.	62 45 634	GUIDE SHOE	1
11.	30 894	LOCK NUT M20	2
12.	62 43 724	PIPE	1
13.	62 43 714	PIPE	1
14.	62 47 294	PIPE	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

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	2
30.	25 832	CONNECTION-JIC	2
31.	25 831	CONNECTION-JIC	2

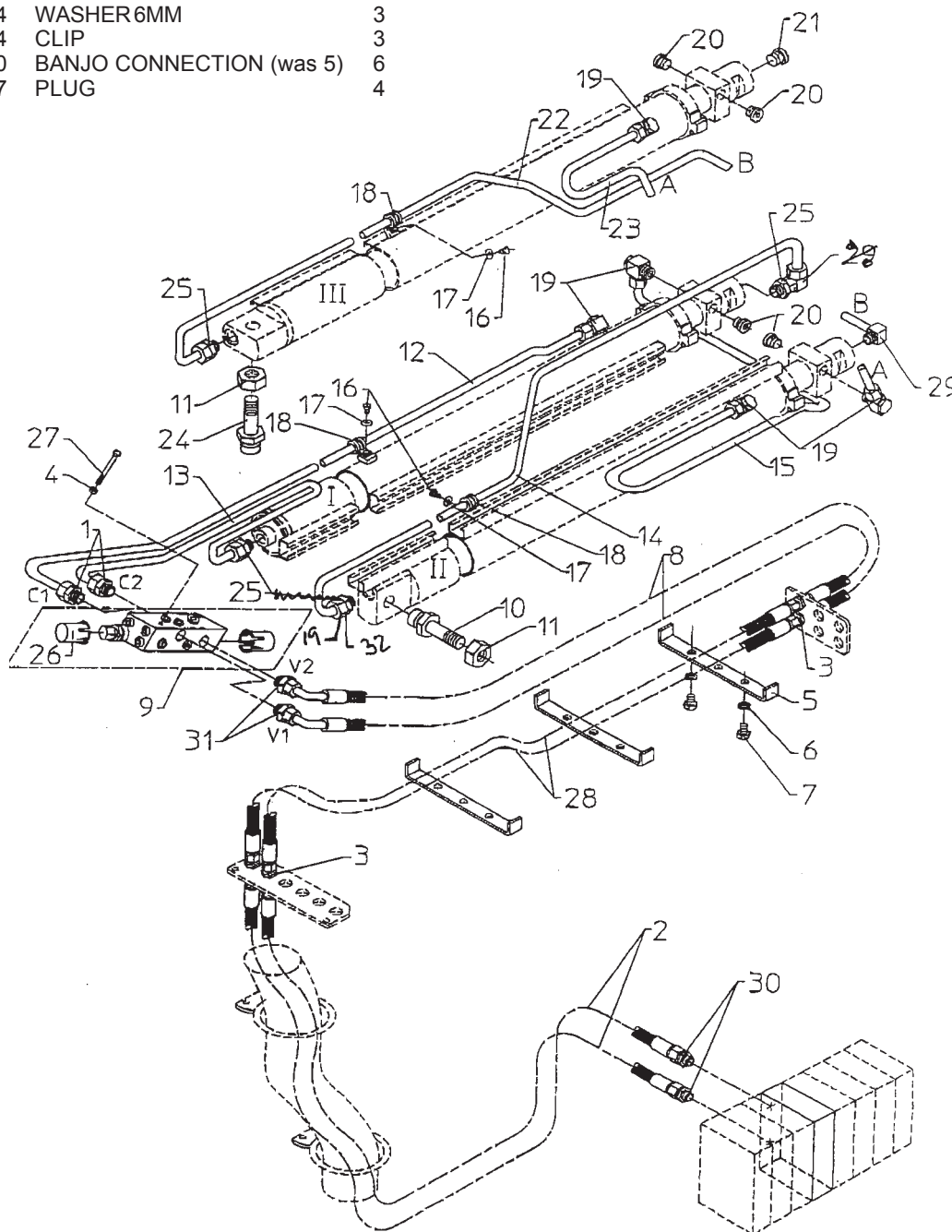
FROM SERIAL NO. 340617 THROUGH 340805



HYDRAULIC SYSTEM-EXTENSION CYLINDER (3H)

1.	25 127	CONNECTION	2
2.	62 860	HOSE-JIC 3/8X2200 O/O	2
3.	25 824	BULKHD CONNECTION-JIC	4
4.	30 854	NUT M6	2
5.	61 41 664	HOSE CLAMP 215MM	3
6.	31 156	SPRING WASHER 10MM	6
7.	30 156	SET SCR M10X30	1
8.	62 879	HOSE-JIC 3/8X850 O/V	2
9.	59 022	LOAD HOLDING VALVE	1
10.	62 44 054	GUIDE SHOE	1
11.	30 894	LOCK NUT M20	2
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	3
17.	31 134	WASHER 6MM	3
18.	27 974	CLIP	3
19.	25 130	BANJO CONNECTION (was 5)	6
20.	25 277	PLUG	4

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 (was 4)	3
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 (was 2)	1
30.	25 832	CONNECTION-JIC	2
31.	25 831	CONNECTION-JIC	2
32.	25 243	CONNECTION, RED	1

FROM SERIAL NO. 340806 AND ABOVE

12/89: 505 05 380: 20020909

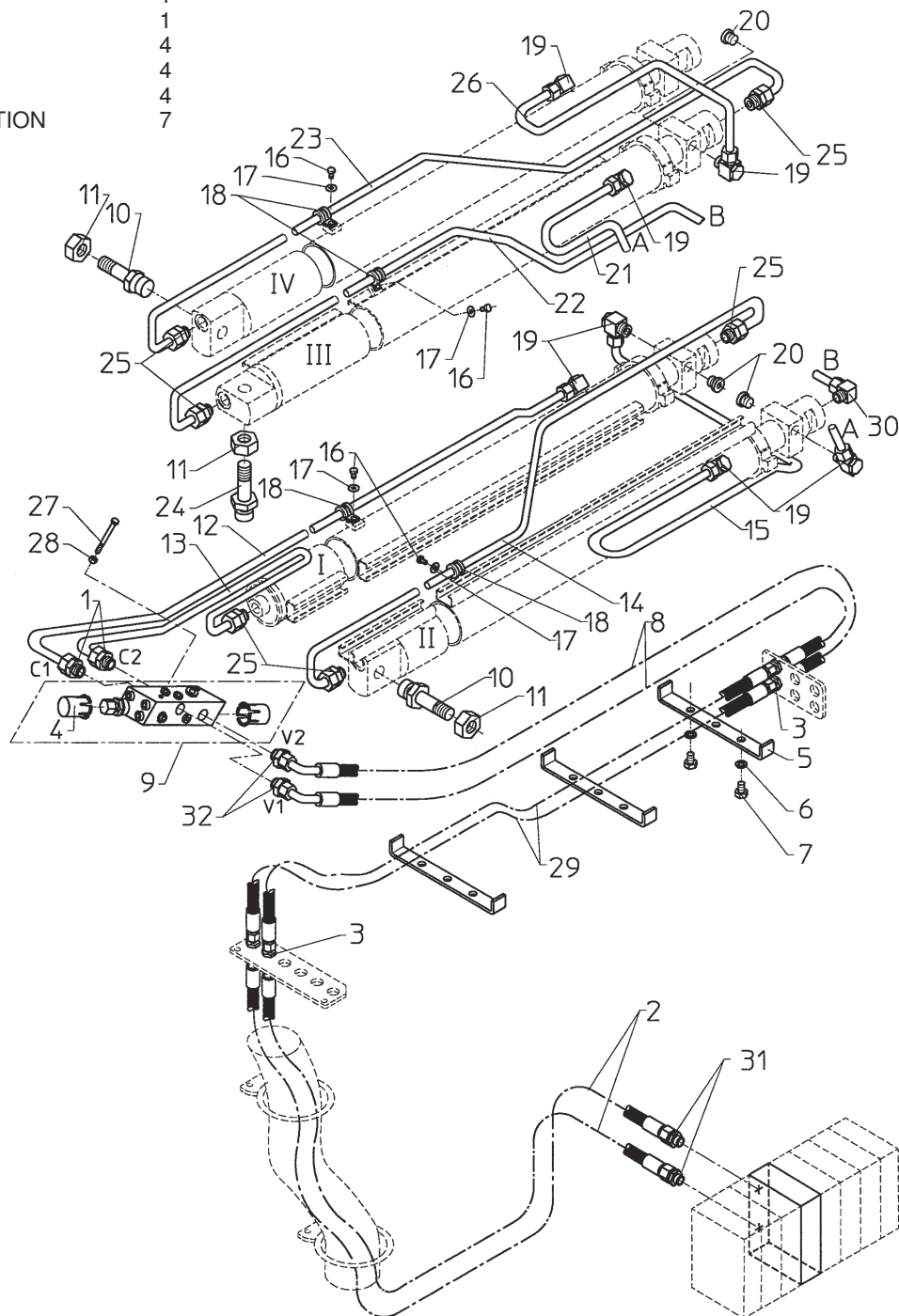
PARTS-51

HYDRAULIC SYSTEM-EXTENSION CYLINDER (4H)

1.	25 127	CONNECTION	2
2.	62 860	HOSE-JIC 3/8X2200 O/O	2
3.	25 824	BULKHD CONNECTION-JIC	4
4.	59 908	CAP	
5.	61 41 664	HOSE CLAMP 215MM	3
6.	31 156	SPRING WASHER 10MM	6
7.	30 153	SET SCR M10X16	6
8.	62 879	HOSE-JIC 3/8X850 O/V	2
9.	59 022	LOAD HOLDING VALVE	1
10.	62 45 634	GUIDE SHOE	2
11.	30 894	LOCK NUT M20	3
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	4
17.	31 134	WASHER 6MM	4
18.	27 974	CLIP	4
19.	25 130	BANJO CONNECTION	7

20.	25 277	PLUG	3
21.	62 43 764	PIPE	1
22.	61 79 854	PIPE	1
23.	62 43 774	PIPE	1
24.	62 45 704	GUIDE SHOE	1
25.	25 108	CONNECTION	6
26.	62 43 784	PIPE	1
27.	30 199	STEEL BOLT M6X65	2
28.	30 854	NUT M6	2
29.	62 864	HOSE-JIC 3/8X3900 O/O	2
30.	25 242	CONNECTION	1
31.	25 832	CONNECTION-JIC	2
32.	25 831	CONNECTION-JIC	2

FROM SERIAL NO. 340480 THROUGH 340616



12/89: 505 05 381: 20020909

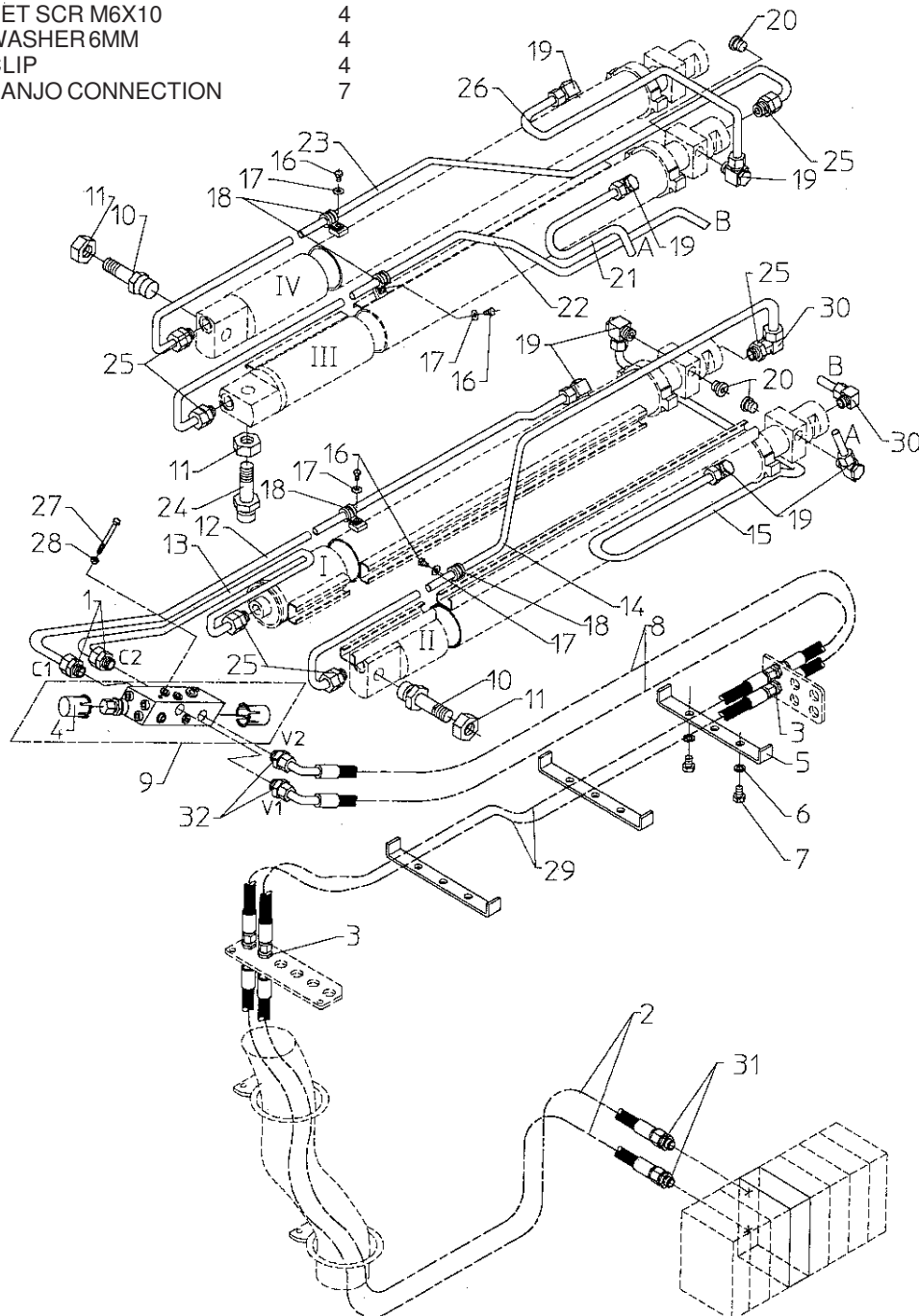
PARTS-52

HYDRAULIC SYSTEM-EXTENSION CYLINDER (4H)

1.	25 127	CONNECTION	2
2.	62 860	HOSE-JIC 3/8X2200 O/O	2
3.	25 824	BULKHD CONNECTION-JIC	4
4.	59 908	CAP	
5.	61 41 664	HOSE CLAMP 215MM	3
6.	31 156	SPRING WASHER 10MM	6
7.	30 153	SET SCR M10X16	6
8.	62 879	HOSE-JIC 3/8X850 O/V	2
9.	59 022	LOAD HOLDING VALVE	1
10.	62 45 634	GUIDE SHOE	2
11.	30 894	LOCK NUT M20	3
12.	62 43 724	PIPE	1
13.	62 43 714	PIPE	1
14.	62 47 294	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

20.	25 277	PLUG	3
21.	62 43 764	PIPE	1
22.	61 79 854	PIPE	1
23.	62 43 774	PIPE	1
24.	62 45 704	GUIDE SHOE	1
25.	25 108	CONNECTION	6
26.	62 43 784	PIPE	1
27.	30 199	STEEL BOLT M6X65	2
28.	30 854	NUT M6	2
29.	62 864	HOSE-JIC 3/8X3900 O/O	2
30.	25 242	CONNECTION	2
31.	25 832	CONNECTION-JIC	2
32.	25 831	CONNECTION-JIC	2

FROM SERIAL NO. 340617 THROUGH 340805



12/89: 505 05 382: 20030721

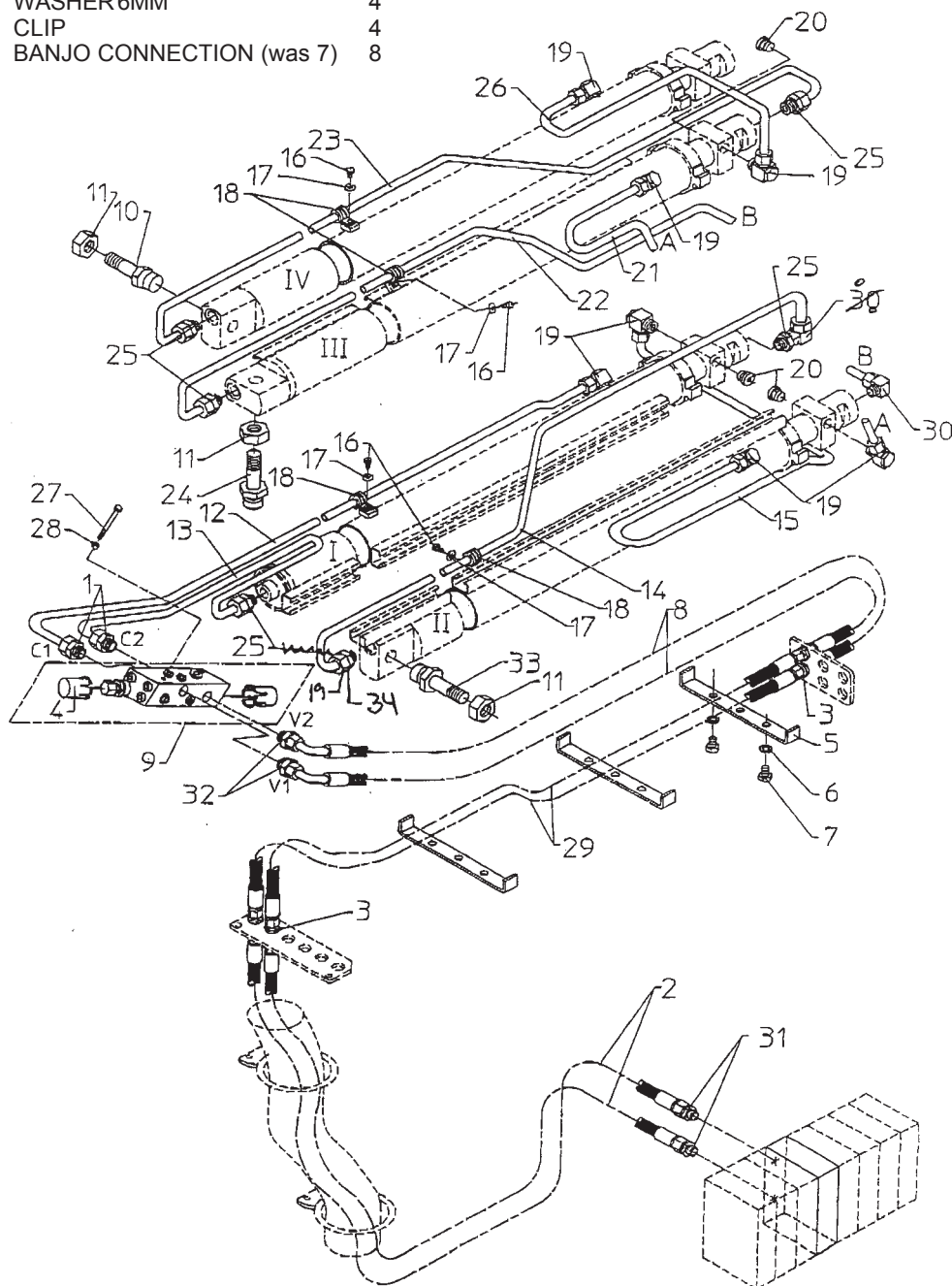
PARTS-53

HYDRAULIC SYSTEM-EXTENSION CYLINDER (4H)

1.	25 127	CONNECTION	2
2.	62 860	HOSE-JIC 3/8X2200 O/O	2
3.	25 824	BULKHD CONNECTION-JIC	4
4.	59 908	CAP	
5.	61 41 664	HOSE CLAMP 215MM	3
6.	31 156	SPRING WASHER 10MM	6
7.	30 153	SET SCR M10X16	6
8.	62 879	HOSE-JIC 3/8X850 O/V	2
9.	59 022	LOAD HOLDING VALVE	1
10.	62 45 634	GUIDE SHOE	1
11.	30 894	LOCK NUT M20	3
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	4
17.	31 134	WASHER 6MM	4
18.	27 974	CLIP	4
19.	25 130	BANJO CONNECTION (was 7)	8

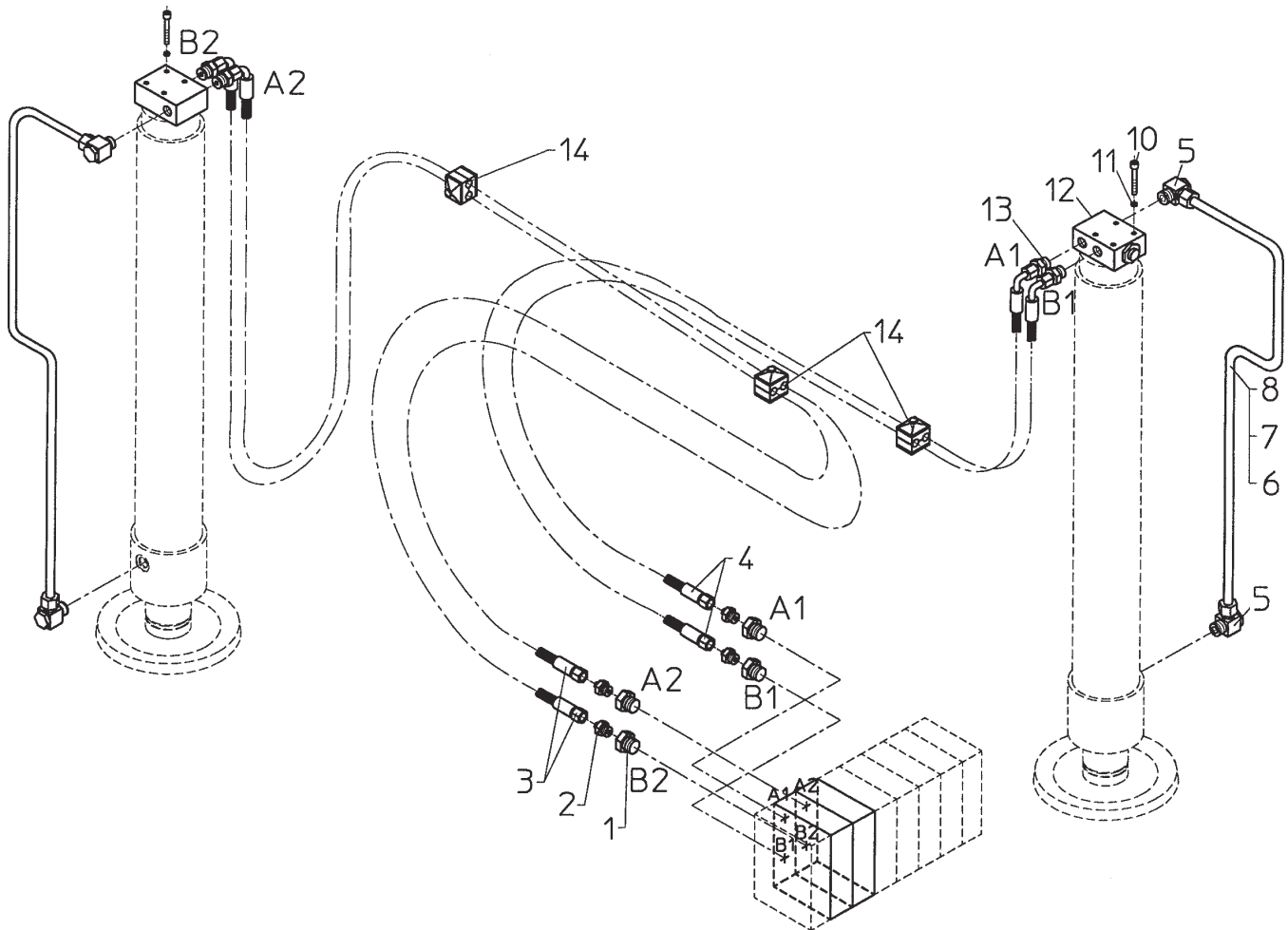
20.	25 277	PLUG	3
21.	62 43 764	PIPE	1
22.	61 79 854	PIPE	1
23.	62 43 774	PIPE	1
24.	62 45 704	GUIDE SHOE	1
25.	25 108	CONNECTION (was 6)	5
26.	62 43 784	PIPE	1
27.	30 199	STEEL BOLT M6X65	2
28.	30 854	NUT M6	2
29.	62 864	HOSE-JIC 3/8X3900 O/O	2
30.	25 242	CONNECTION (was 2)	1
31.	25 832	CONNECTION-JIC	2
32.	25 831	CONNECTION-JIC	2
33.	62 44 054	GUIDE SHOE	1
34.	25 243	CONNECTION, RED	1

FROM SERIAL NO. 340806 AND ABOVE



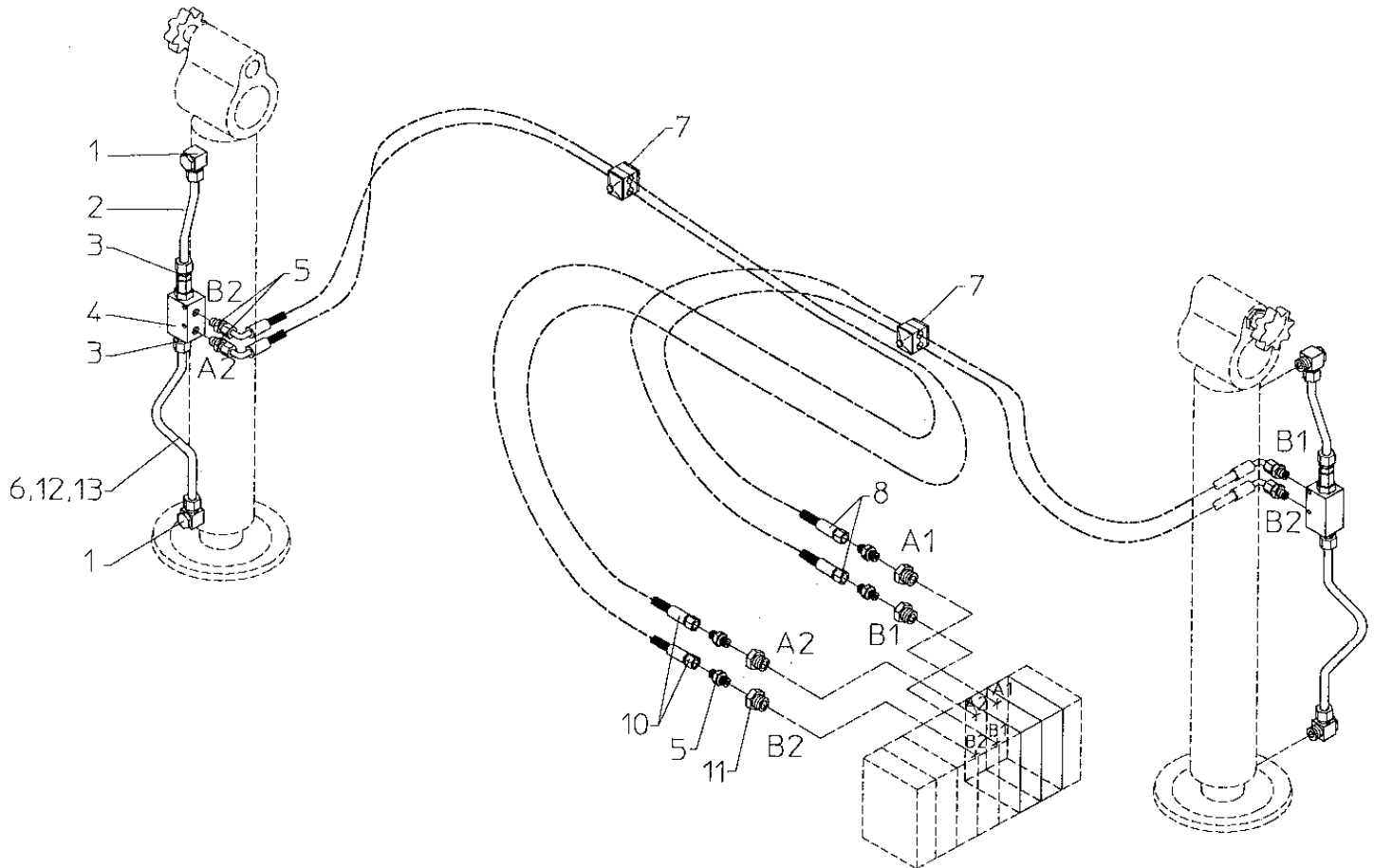
HYDRAULIC SYSTEM-OUTRIGGERS-TYPE SV

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

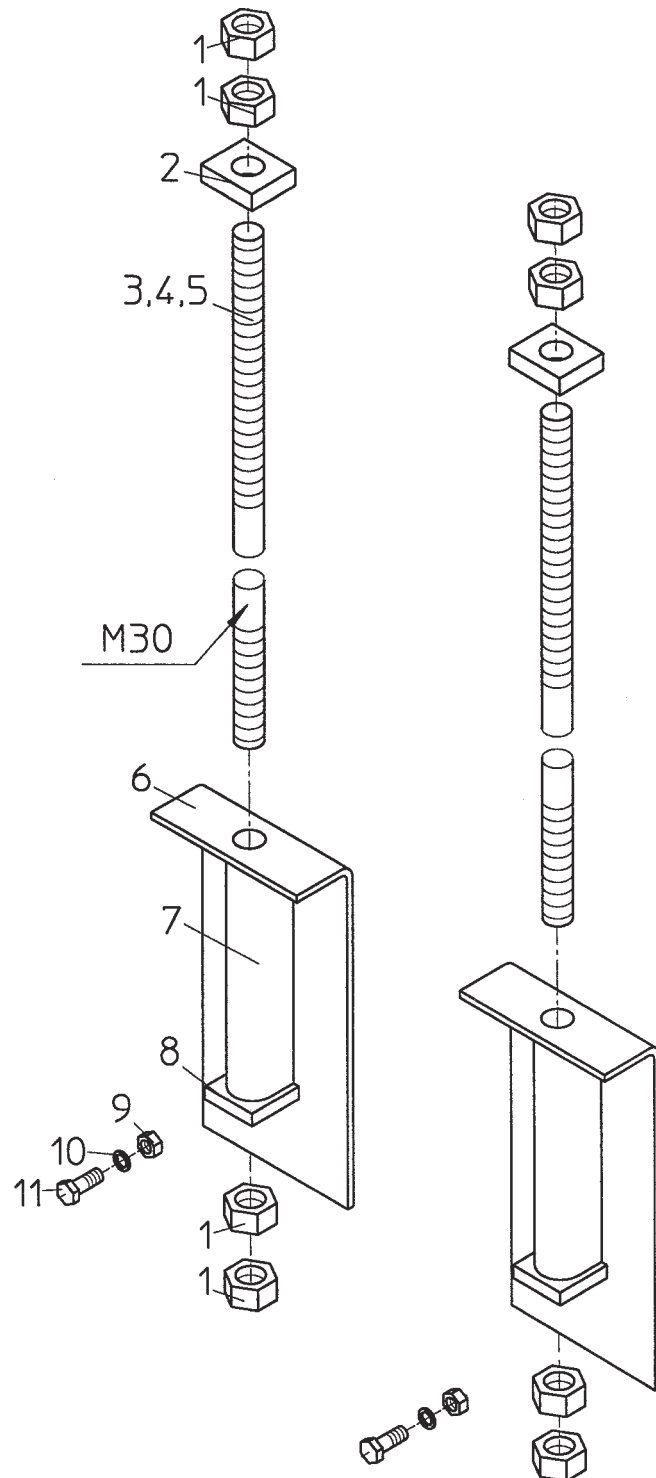


MOUNTING FITTINGS

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

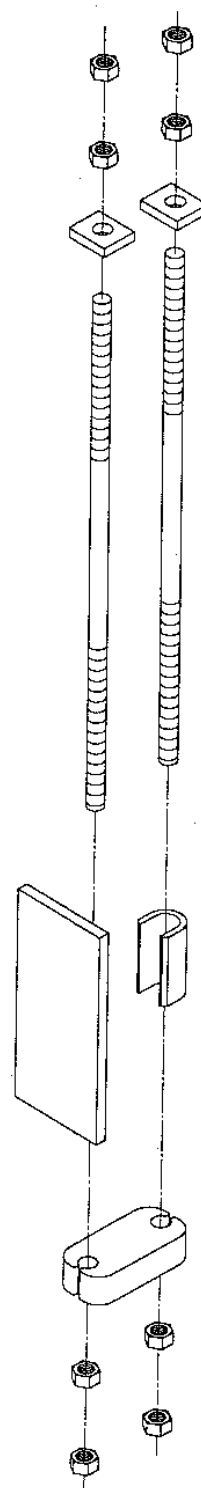
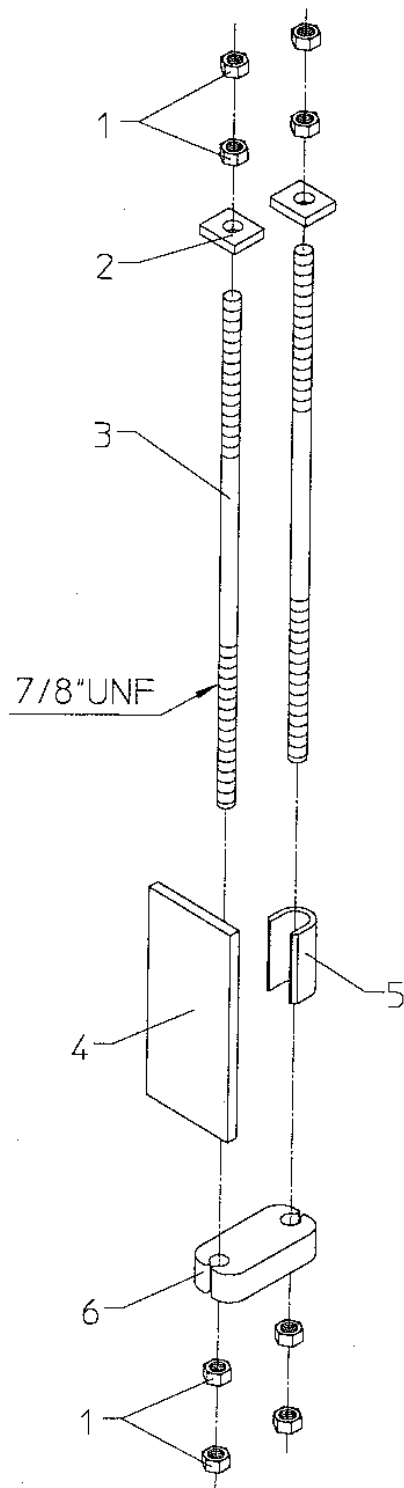
PARTS-56

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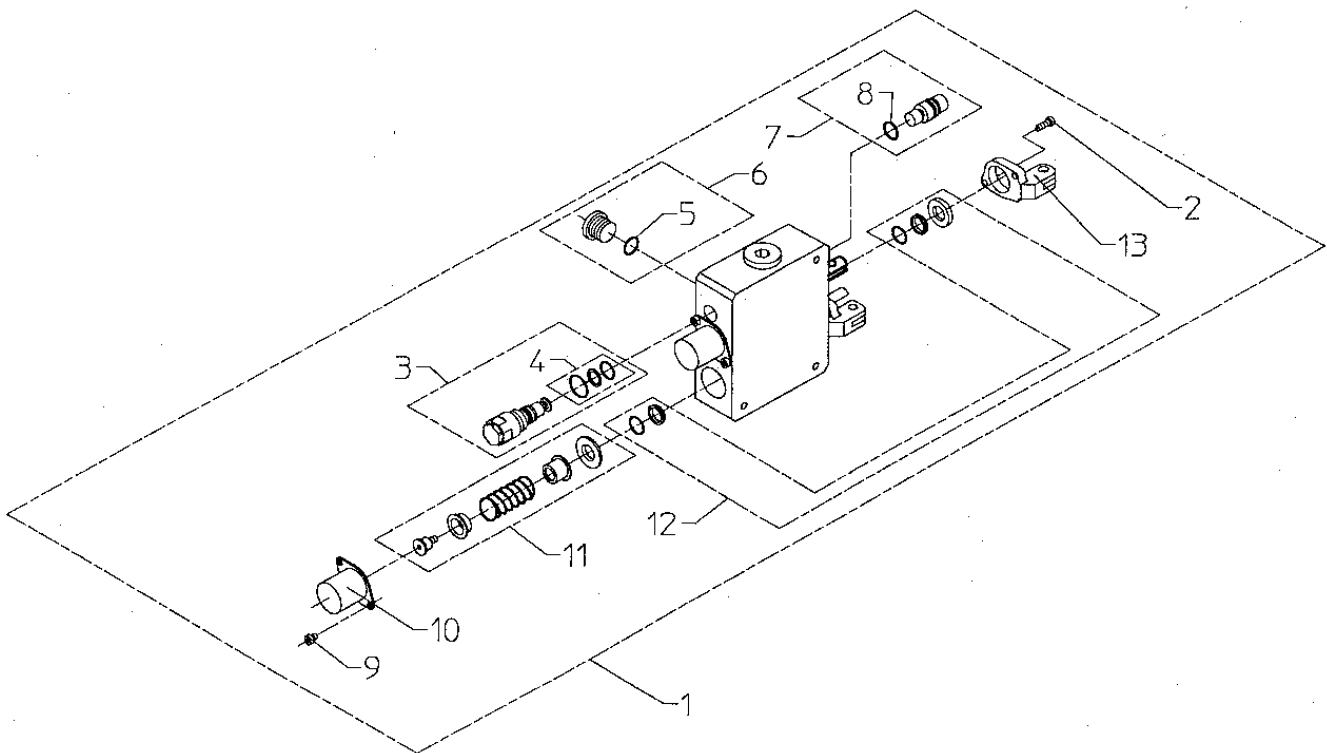
MOUNTING FITTINGS

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



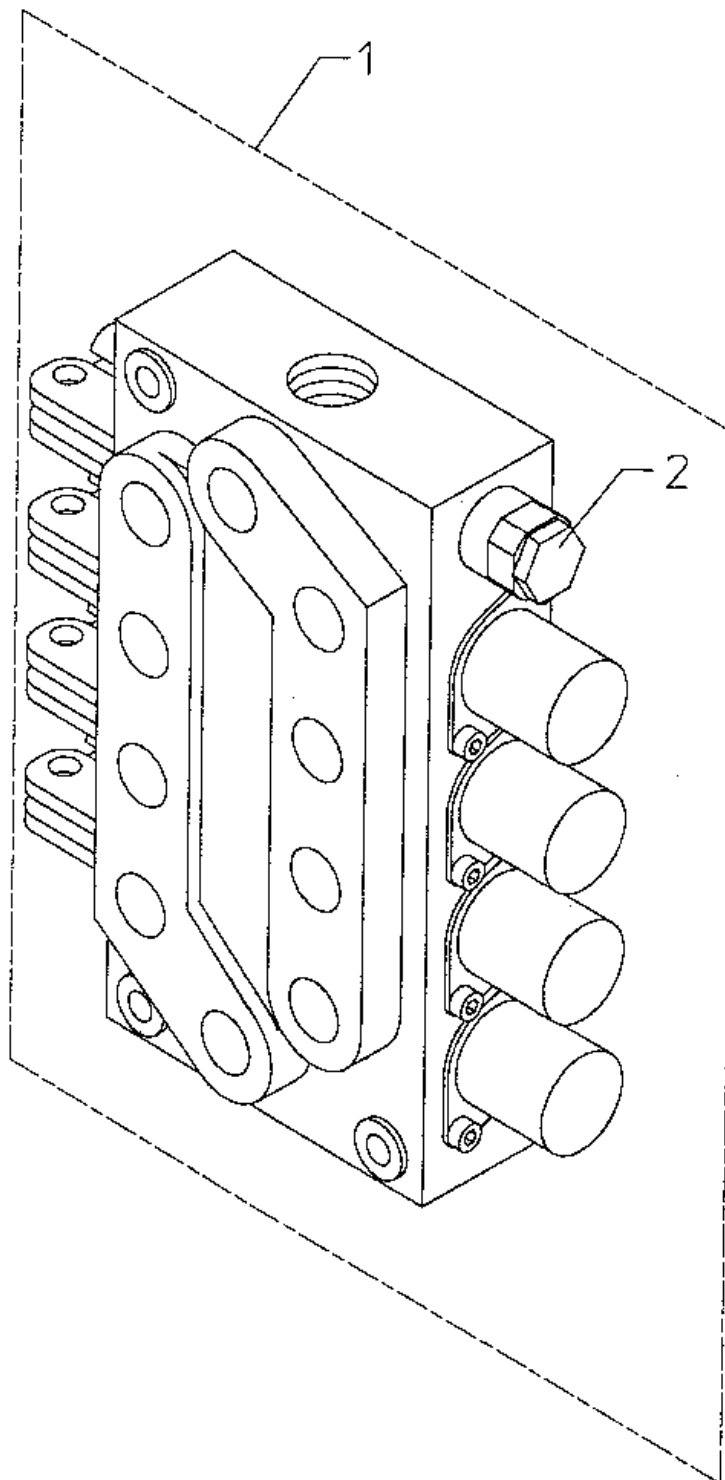
VALVE BLOCK, STABILIZERS, 2 FUNCTION

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 $\varnothing 17.3 \times 2.4$
6. 61 366 PLUG 1/2" BSP
7. 61 678 CHECK VALVE
8. 20 121 O-RING $\varnothing 13.3 \times 2.4$
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



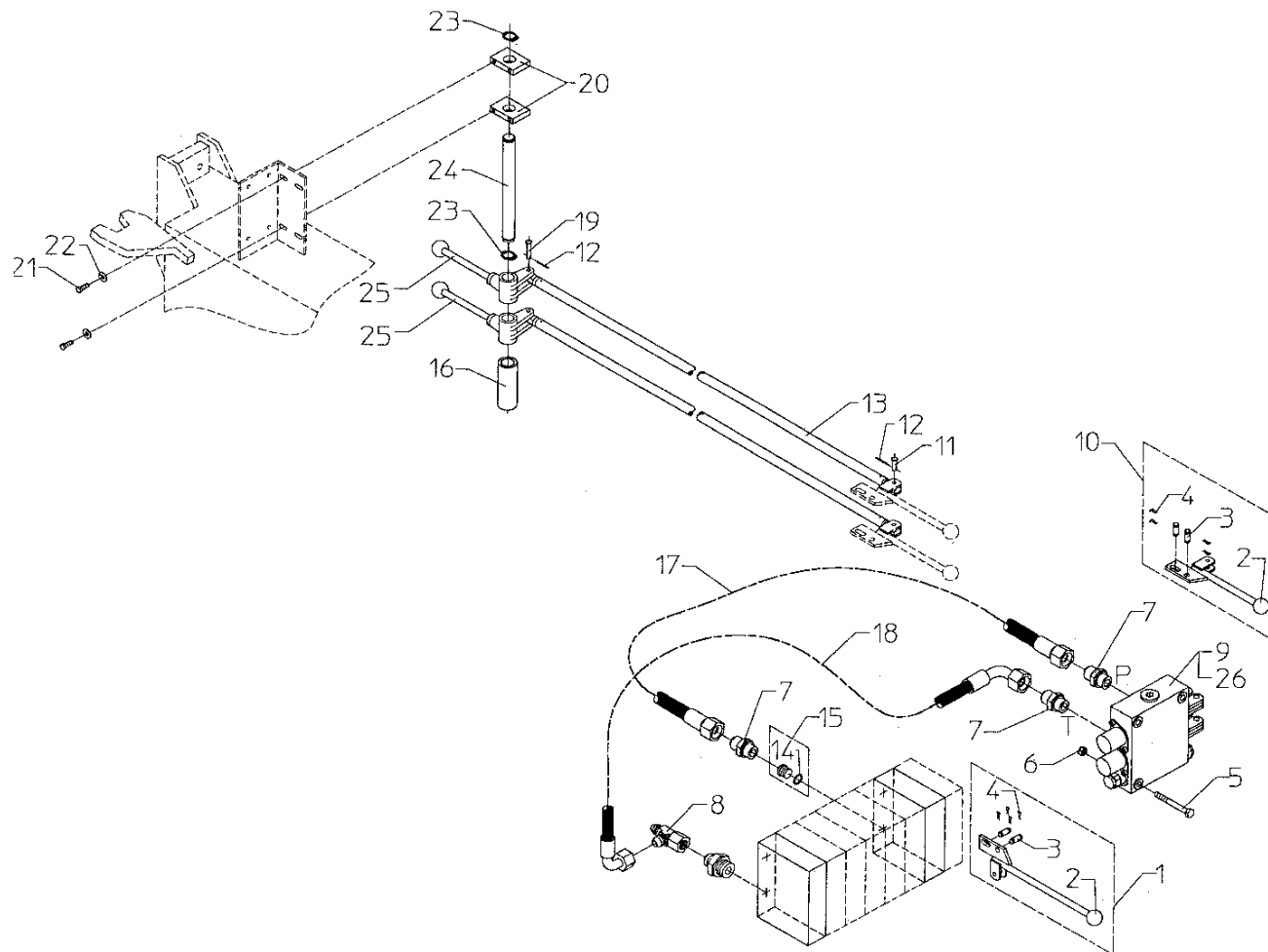
VALVE BLOCK, STABILIZERS, 4 FUNCTION

- | | | | |
|----|--------|----------------------------|---|
| 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 $\varnothing 32 \times 10 \text{ MM}$	
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 $\varnothing 6 \times 20$	
12.	31 601	SPLIT PIN $\varnothing 1.5 \times 20$	
13.	61 73 944	CONNECTING ROD	
14.	20 120	O-RING $\varnothing 16.35 \times 2.21$	
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 $\varnothing 6 \times 30$	
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

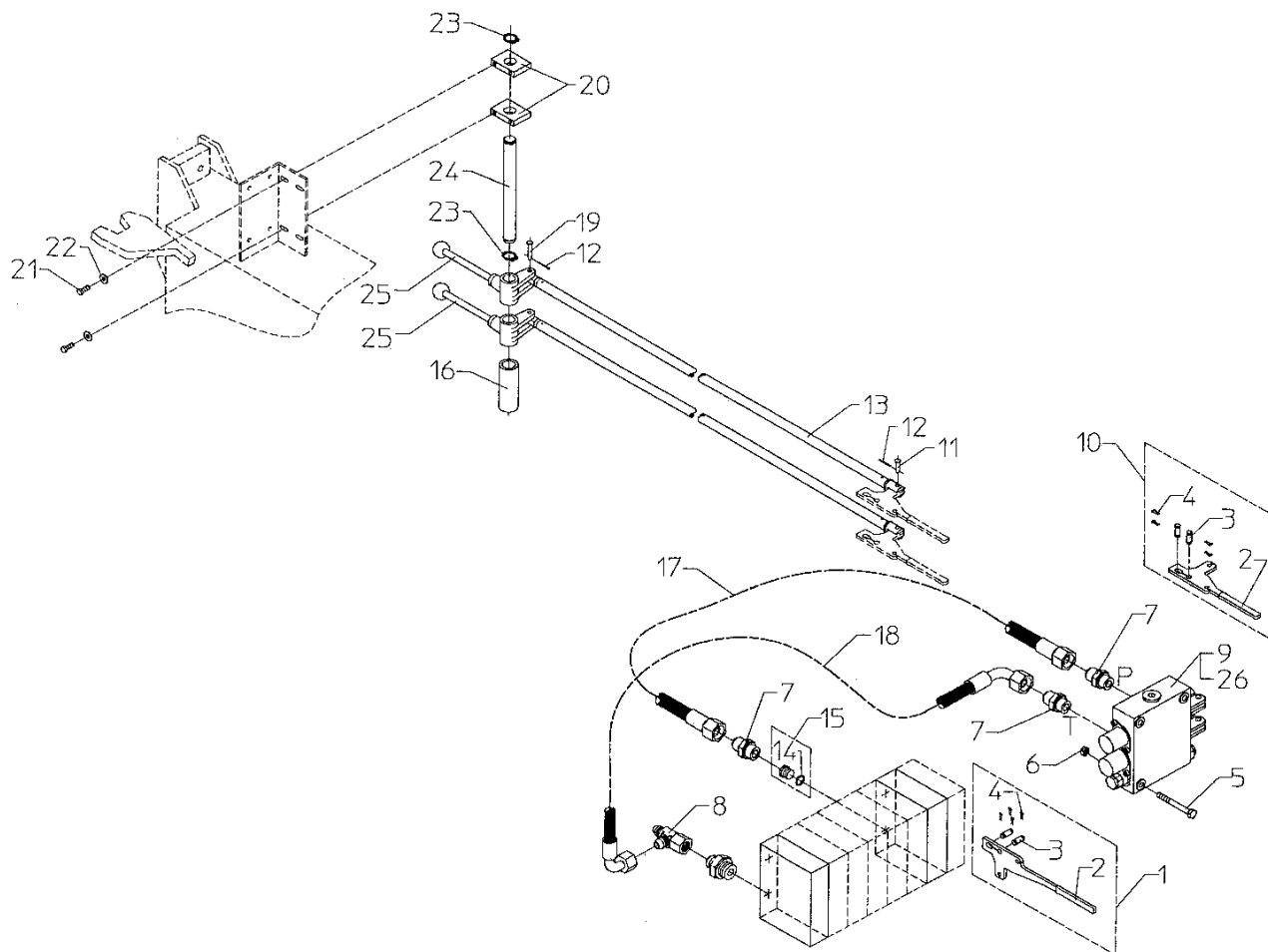
12/89: 505 07 051: 20020909

PARTS-61

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 $\varnothing 6 \times 20$	
12.	31 601	SPLIT PIN $\varnothing 1.5 \times 20$	
13.	62 47 554	CONNECTING ROD	
14.	20 120	O-RING $\varnothing 16.35 \times 2.21$	
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 $\varnothing 6 \times 30$	
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

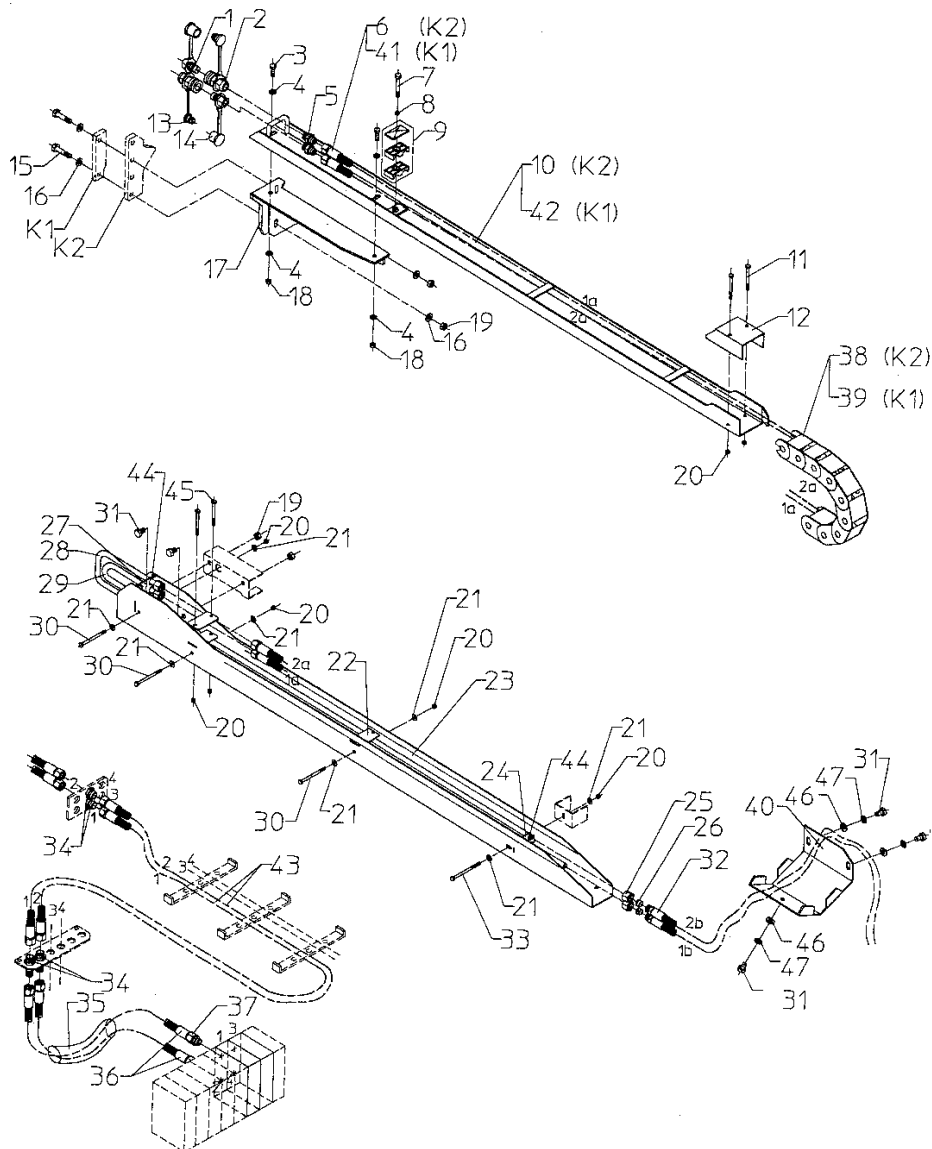


12/89: 505 07 170: 20020909

PARTS-62

1 EXTRA VALVE, K1-K2

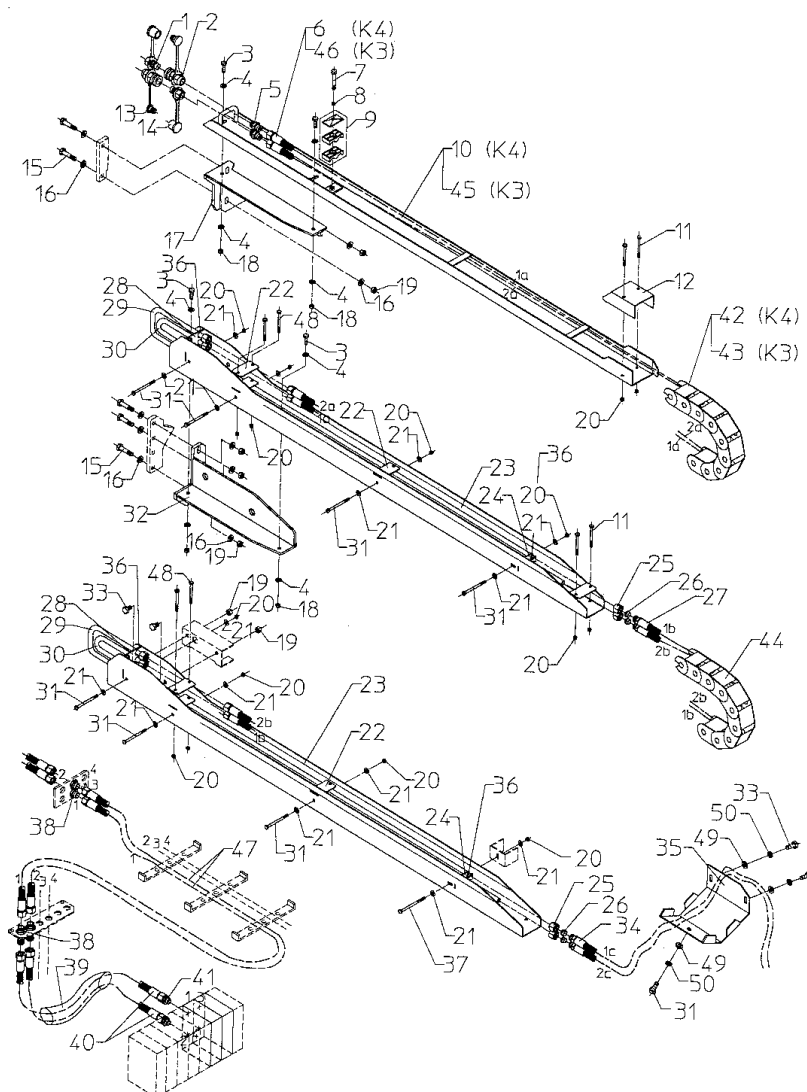
1.	60 619	QUICK RELEASE CPLG, F 3/8"	2	24.	62 46 424	CLAMP	1
2.	60 620	QUICK RELEASE CPLG, M 3/8"	2	25.	25 845	CPLG NUT BTX-S 12	
3.	30 134	SET SCREW M8 X 25	2	26.	25 844	BACK RING TX-S 12	
4.	31 755	WASHER 8 MM	4	27.	62 46 434	CLAMP	1
5.	25 831	CONNECTION JIC F40XS12-3/8	2	28.	63 29 384	PIPE	1
6.	62 989	HOSE JIC 3/8" X 4000 S/L		29.	63 29 374	PIPE	1
7.	30 140	STEEL BOLT M8 X 55	1	30.	30 196	STEEL BOLT M6 X 80	3
8.	31 155	SPRING WASHER 8 MM	1	31.	30 153	SET SCREW M10 X 16	5
9.	31 808	DOUBLE CLAMP 2 X 18 MM	1	32.	56 009	HOSE 3/8" X 1100 S/L	2
10.	62 46 473	PROTECTIVE PLATE		33.	30 124	STEEL BOLT M6 X 90	1
11.	30 199	STEEL BOLT M6 X 65	2	34.	25 824	BLKHD CONN JIC WTX-WLNS12	4
12.	62 46 413	MTG FITTINGS, TOP	1	35.	62 601	PROT COVER 145 X 1530 MM	1
13.	60 621	DUST CAP, M 3/8"	2	36.	56 007	HOSE 3/8" X 2450 L/L	2
14.	60 622	DUST CAP, F 3/8"	2	37.	25 832	CONN, JIC F40XS12-1/2	2
15.	30 165	STEEL BOLT M10 X 45	2	38.	27 595	NYLON DRAG CHAIN 21/75 47 LED	
16.	31 756	WASHER 10 MM	4	39.	27 594	NYLON DRAG CHAIN 21/75 25 LED	
17.	62 46 553	BRACKET	1	40.	61 79 583	PROT PLATE	1
18.	30 886	LOCK NUT M8	2	41.	62 985	HOSE JIC 3/8" X 2350 S/L	
19.	30 888	LOCK NUT M10	4	42.	62 46 443	PROT PLATE	
20.	30 884	LOCK NUT M6	8	43.	62 864	HOSE, JIC 3/8" X 3900 O/O	
21.	31 134	WASHER 6 MM	8	44.	28 909	RUBBER BUSHING	
22.	62 46 404	MTG PLATE	3	45.	30 120	STEEL BOLT M6 X 60	2
23.	62 46 581	PROT. PLATE	1	46.	31 177	WASHER 21 X 10.5 X 2	3
				47.	31 156	SPRING WASHER 10 MM	3



1 EXTRA VALVE, K3-K4

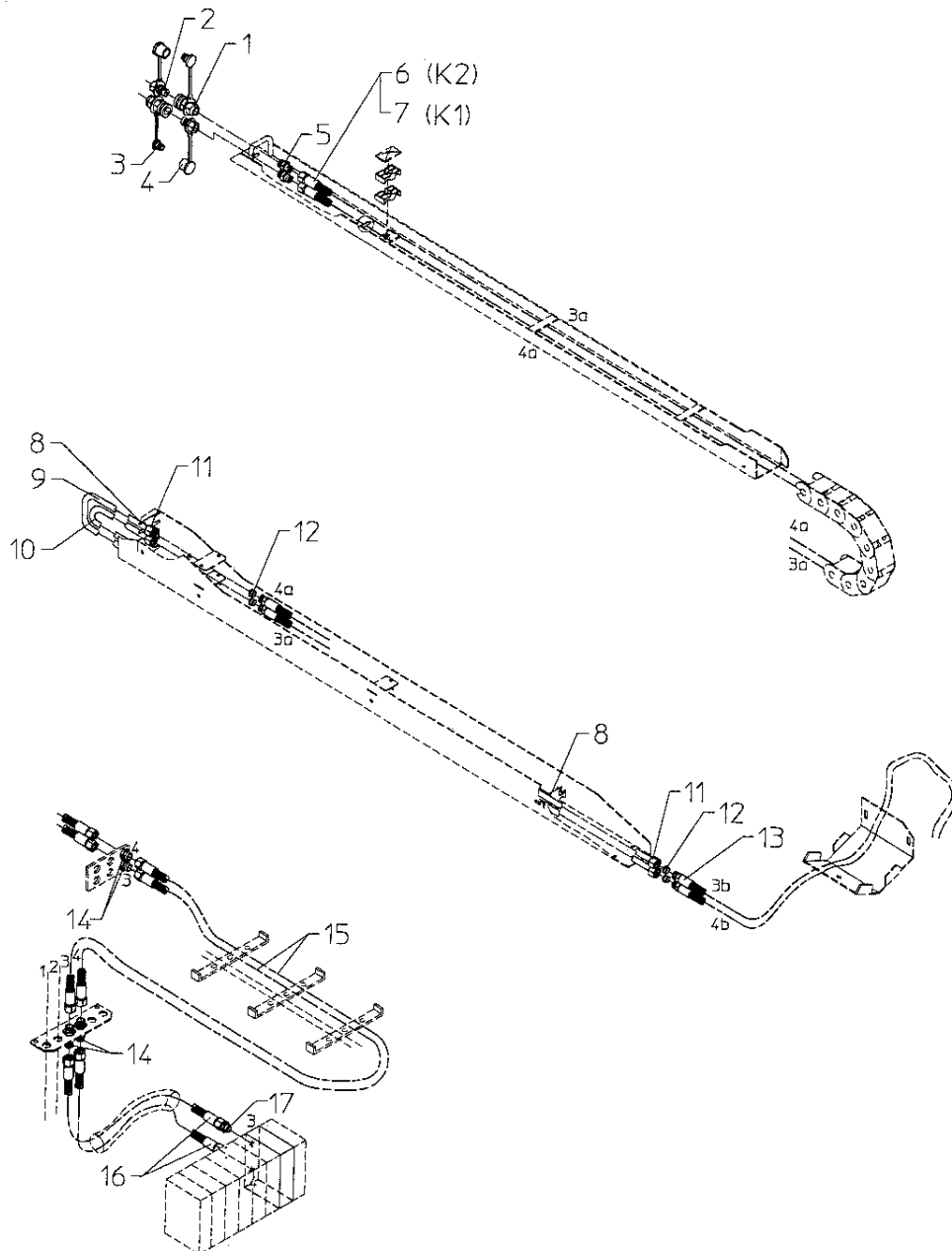
1.	60 619	QUICK-RELEASE CPLG, F 3/8"	2
2.	60 620	QUICK-RELEASE CPLG, M 3/8"	2
3.	30 134	SET SCREW M8 X 25	4
4.	31 755	WASHER 8 MM	8
5.	25 831	CONNECTION JIC F40XS12-3/8	2
6.	62 990	HOSE JIC 3/8" X 4200 S/L	
7.	30 140	STEEL BOLT M8 X 55	1
8.	31 155	SPRING WASHER 8 MM	1
9.	31 808	DOUBLE CLAMP 2 X 18 MM	1
10.	62 46 473	PROTECTIVE PLATE	
11.	30 199	STEEL BOLT M6 X 65	2
12.	62 46 413	MTG FITTINGS, 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	5
16.	31 756	WASHER 10 MM	10
17.	62 46 553	BRACKET	1
18.	30 886	LOCK NUT M8	4
19.	30 888	LOCK NUT M10	7
20.	30 884	LOCK NUT M6	16
21.	31 134	WASHER 6 MM	16
22.	62 46 404	MTG PLATE	7
23.	62 46 581	PROT. PLATE	2
24.	62 46 424	CLAMP	2
25.	25 845	CPLG NUT BTX-S 12	

26.	25 844	BACK RING TX-S 12	
27.	62 849	HOSE 3/8" X 2850 S/S	2
28.	62 46 434	CLAMP	2
29.	63 29 384	PIPE	2
30.	63 29 374	PIPE	2
31.	30 196	STEEL BOLT M6 X 80	7
32.	62 46 513	BRACKET	1
33.	30 153	SET SCREW M10 X 16	5
34.	56 009	HOSE 3/8" X 1100 S/L	2
35.	61 79 583	PROTECTIVE PLATE	1
36.	28 909	RUBBER BUSHING 4M 15096	
37.	30 124	STEEL BOLT M6 X 90	1
38.	25 824	BLKHD CONN JIC WTX-WLNS12	4
39.	62 601	PROT COVER 145 X 1530 MM	1
40.	56 007	HOSE 3/8" X 2450 L/L	2
41.	25 832	CONN, JIC F40XS12-1/2	2
42.	27 596	NYLON DRAG CHAIN 21/75 47 LED	
43.	27 594	NYLON DRAG CHAIN 21/75 25 LED	
44.	27 595	NYLON DRAG CHAIN 21/75 47 LED	
45.	62 46 443	PROT PLATE	
46.	62 985	HOSE JIC 3/8" X 2350 S/L	
47.	62 864	HOSE, JIC 3/8" X 3900 O/O	2
48.	30 120	STEEL BOLT M6 X 60	4
49.	31 177	WASHER 21 X 10.5 X 2	3
50.	31 156	SPRING WASHER 10 MM	3



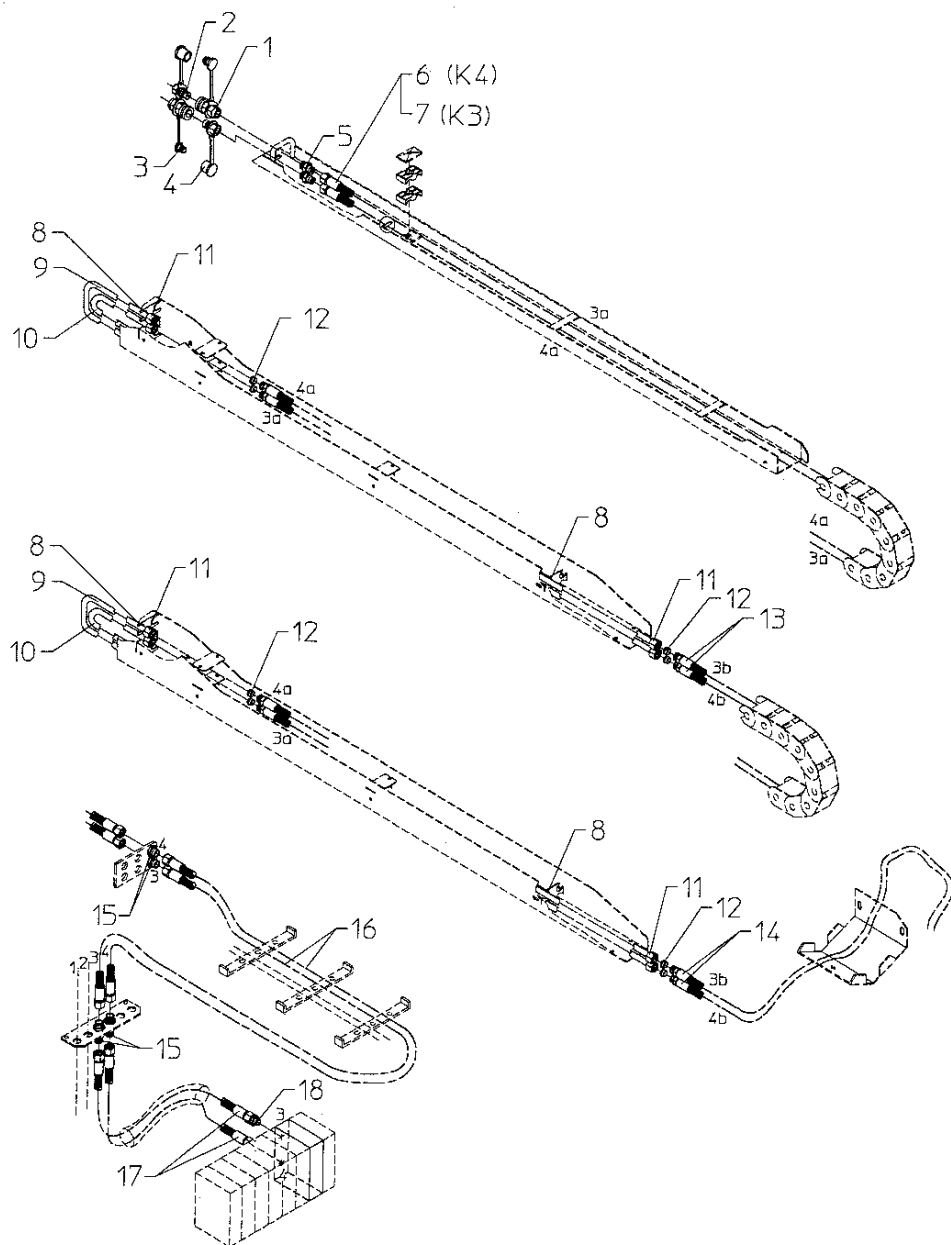
**SUPPLEMENTARY KIT FOR 2 EXTRA VALVES,
K1-K2**

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



DECAL KIT-ENGLISH (95715498)

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	DANGER-OUTRG STD CLR	2
8.	70392865	DANGER-ELEC HAZARD-LG	4
9.	70392866	DANGER-OPER COND	2
10.	70392867	DANGER-OUTRG MOVING	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-OUTRG STD CLR	2
8.	70394633	DANGER-ELEC HAZARD-LG	4
9.	70393511	DANGER-OPER COND	2
10.	70393510	DANGER-OUTRG 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

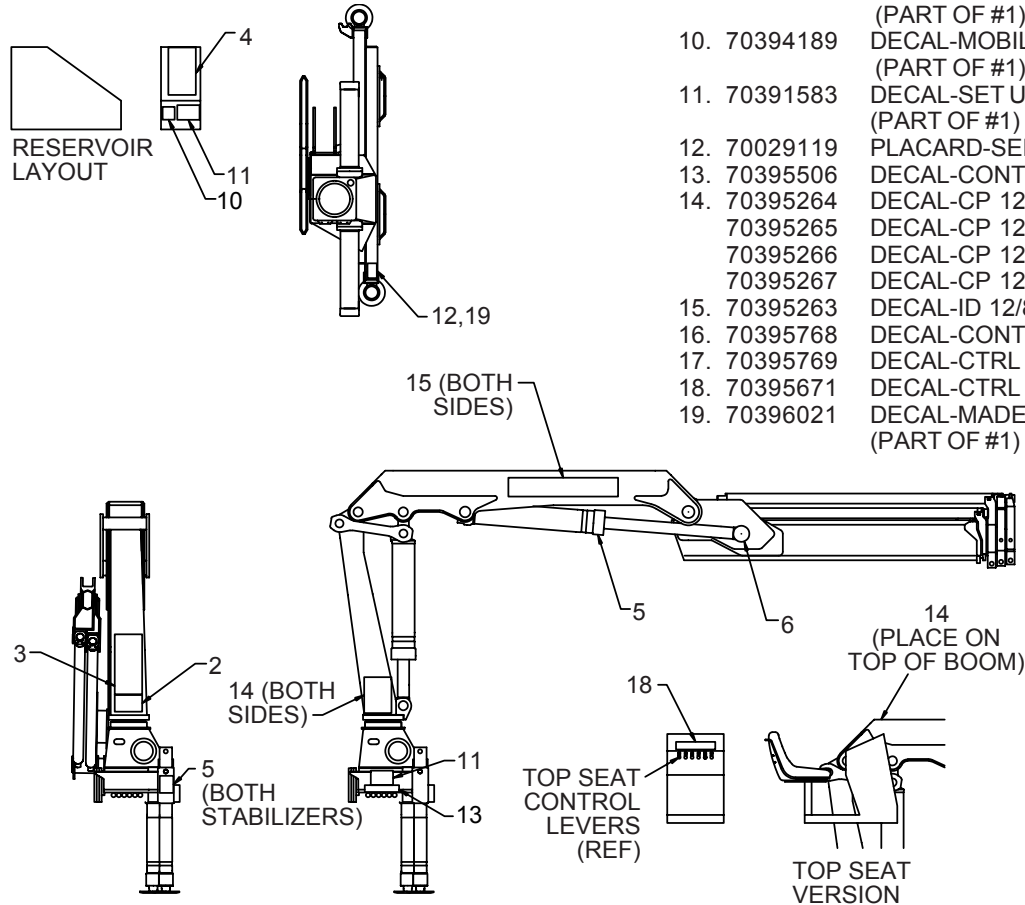
DECAL KIT-FRENCH (95715500)

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-OUTRG STD CLR	2
8.	70394627	DANGER-ELEC HAZARD-LG	4
9.	70393830	DANGER-OPER COND	2
10.	70393831	DANGER-OUTRG 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 outrigger valvebank.
17	See note. On curbside outrigger valvebank.
8	On curbside control handles.

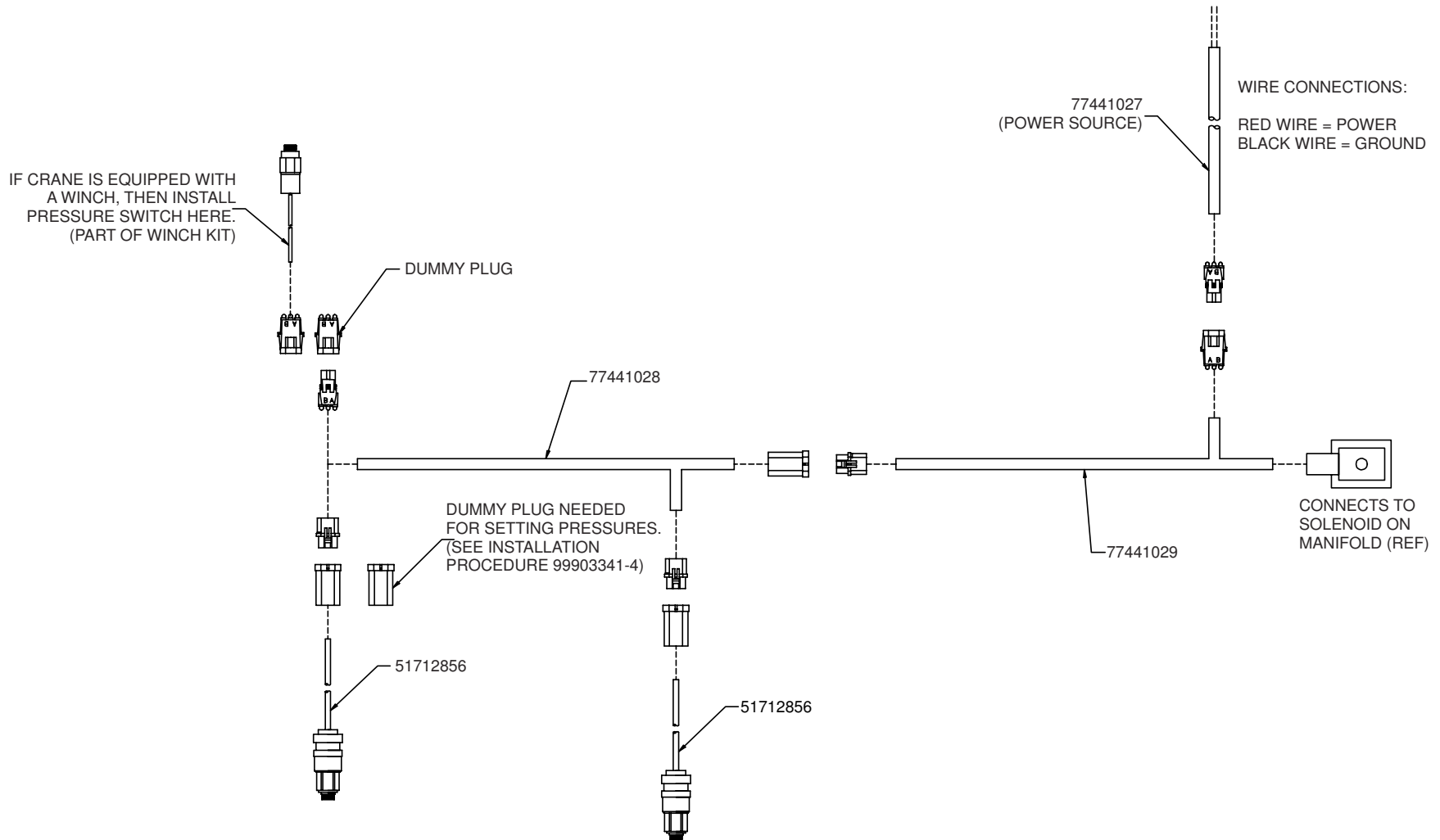
Note: Item #14 is dependent on crane configuration.

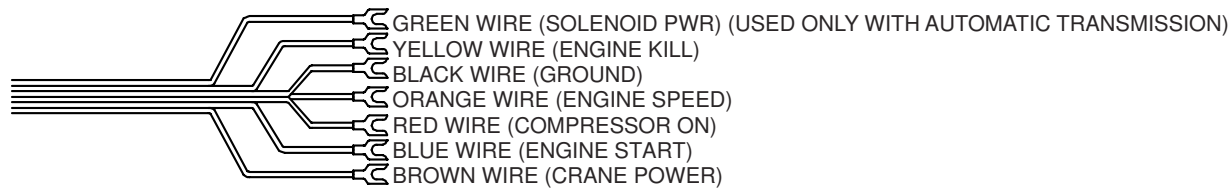
**DECAL KIT (KIT 95716095/DWG 99903223)**

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-DANGER OUTRG STAND CLEAR (PART OF #1)	2
6.	70392865	DECAL-DANGER ELEC HAZARD LG (PART OF #1)	4
7.	70392868	DECAL-DANGER CR LOADLINE (PART OF #1)	4
8.	70395542	DECAL-CONTROL CIRCLES	1
9.	70392891	DECAL-DANGER DRIVELINE (PART OF #1)	2
10.	70394189	DECAL-MOBIL OIL 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

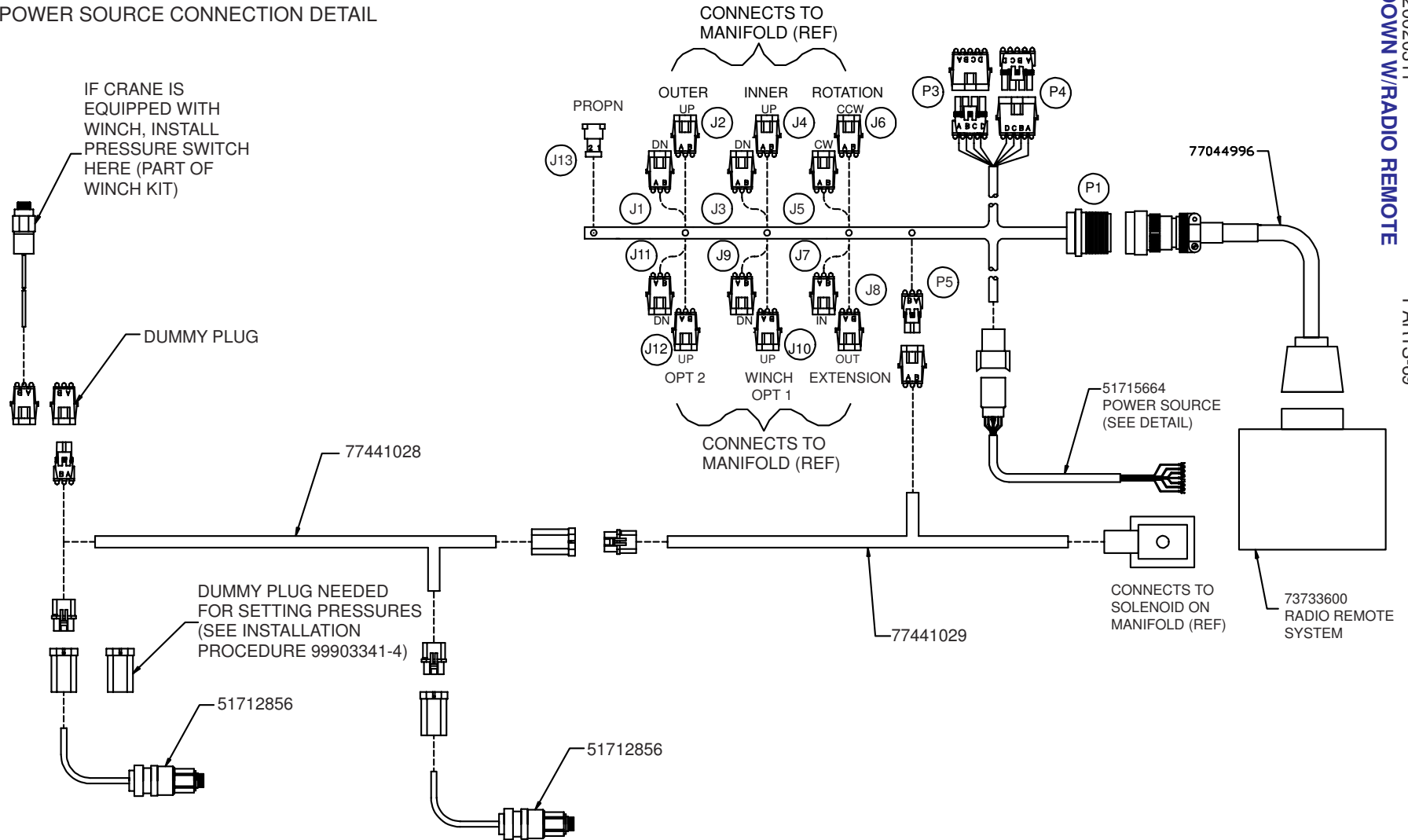
DECAL KIT-12/89 (95716095) (THRU 4-07)

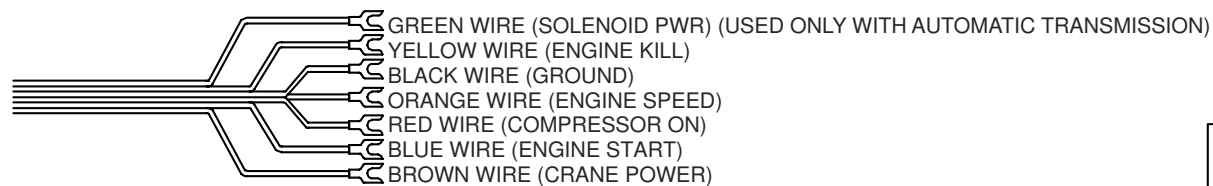
99903223	DRAWING-DECAL KIT	REF		
1.	70029251	IMT DIAMOND	2	
2.	70392813	DANGER-ELECTROCUTION	2	
3.	70392814	DANGER-OPER TRAINING	2	
4.	70392815	DANGER-OPERATION	2	
5.	70391612	GREASE WEEKLY-LH	3	
6.	70391613	GREASE WEEKLY-RH	9	
7.	70392863	DANGER-HOISTING PERS	2	
8.	70392864	DANGER-OUTRG STD CLR	2	
9.	70392865	DANGER-ELEC HAZARD-LG	4	
10.	70392866	DANGER-OPER COND	2	
11.	70392867	DANGER-OUTRG MOVING	2	
12.	70392868	DANGER-CRANE LOADLINE	4	
13.	70392888	DANGER-OPER RESTRICT	2	
14.	70395542	DECAL-CTRL CIRCLES	1	
15.	70392890	DANGER-STOW/UNFOLD	2	
16.	70392891	DANGER-DRIVELINE	2	
17.	70394189	OIL RECOMMENDATIONS	1	
18.	70394670	IMT MATL HNDLNG SYS	2	
19.	70391583	DECAL-SET UP/STOW INSTR	2	
20.	70029119	PLACARD-SERIAL NUMBER	1	
21.	70395506	DECAL-CTRL SS	1	
22.	70395264	DECAL-CP 12/89K1	2REF	
	70395265	DECAL-CP 12/89K2	2REF	
	70395266	DECAL-CP 12/89K3	2REF	
	70395267	DECAL-CP 12/89K4	2REF	
23.	70395263	DECAL-ID 12/89 SERIES	2	
24.	70392108	DECAL-SUCTION LINE	1	
25.	70392109	DECAL-RETURN LINE	1	
26.	70395768	DECAL-CTRL-PWR OUT OR	1REF	
27.	70395769	DECAL-CTRL-PWR OR-CS	1REF	
28.	70395671	DECAL-CTRL-CHAIR MOUNT	1REF	



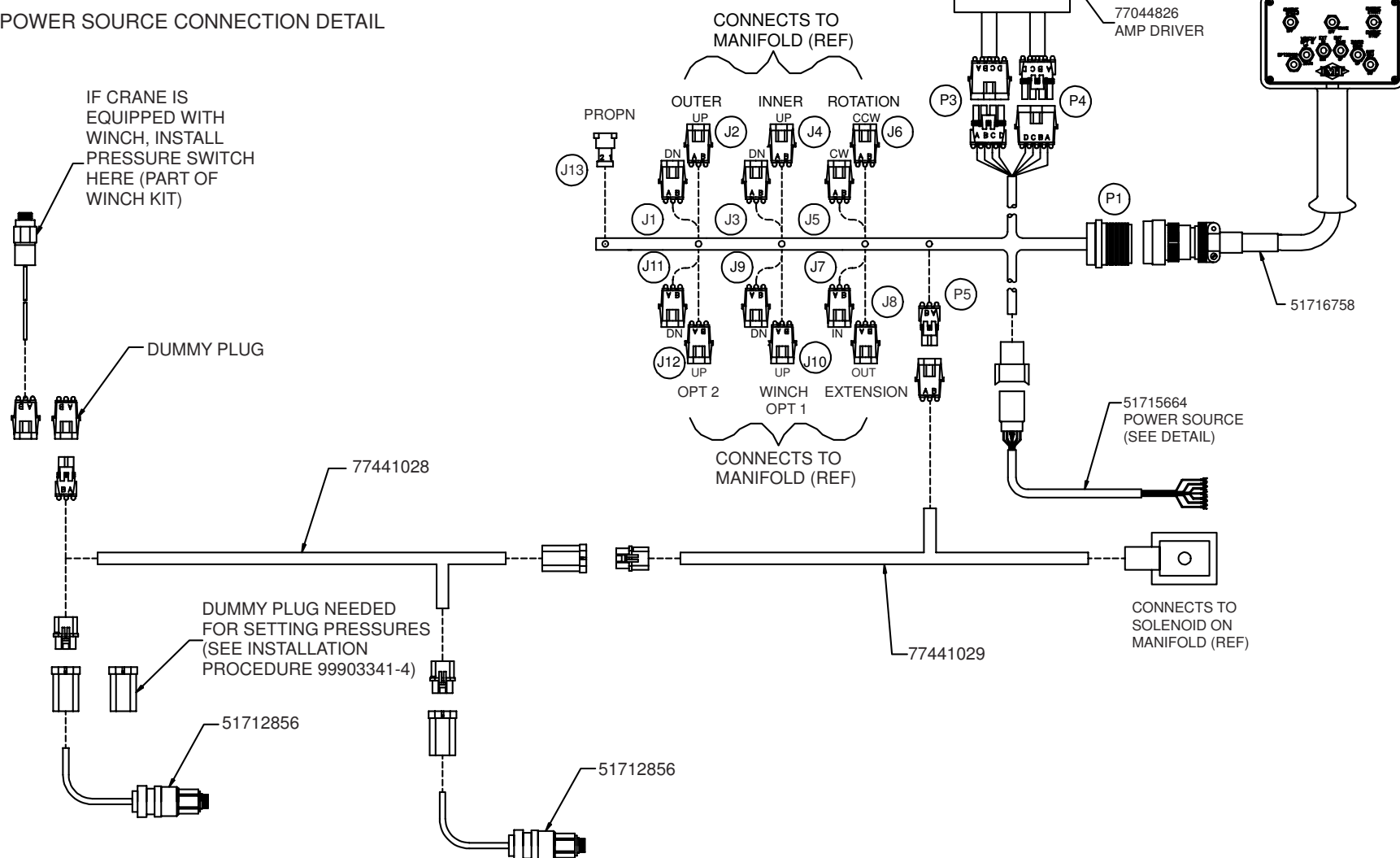


POWER SOURCE CONNECTION DETAIL





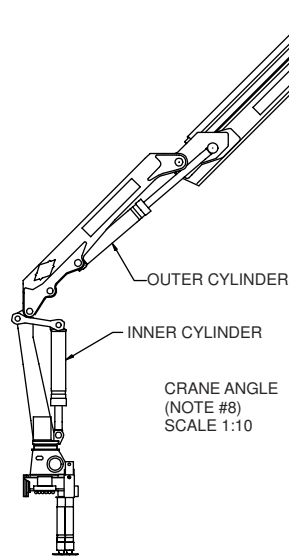
POWER SOURCE CONNECTION DETAIL



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.)



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.

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.

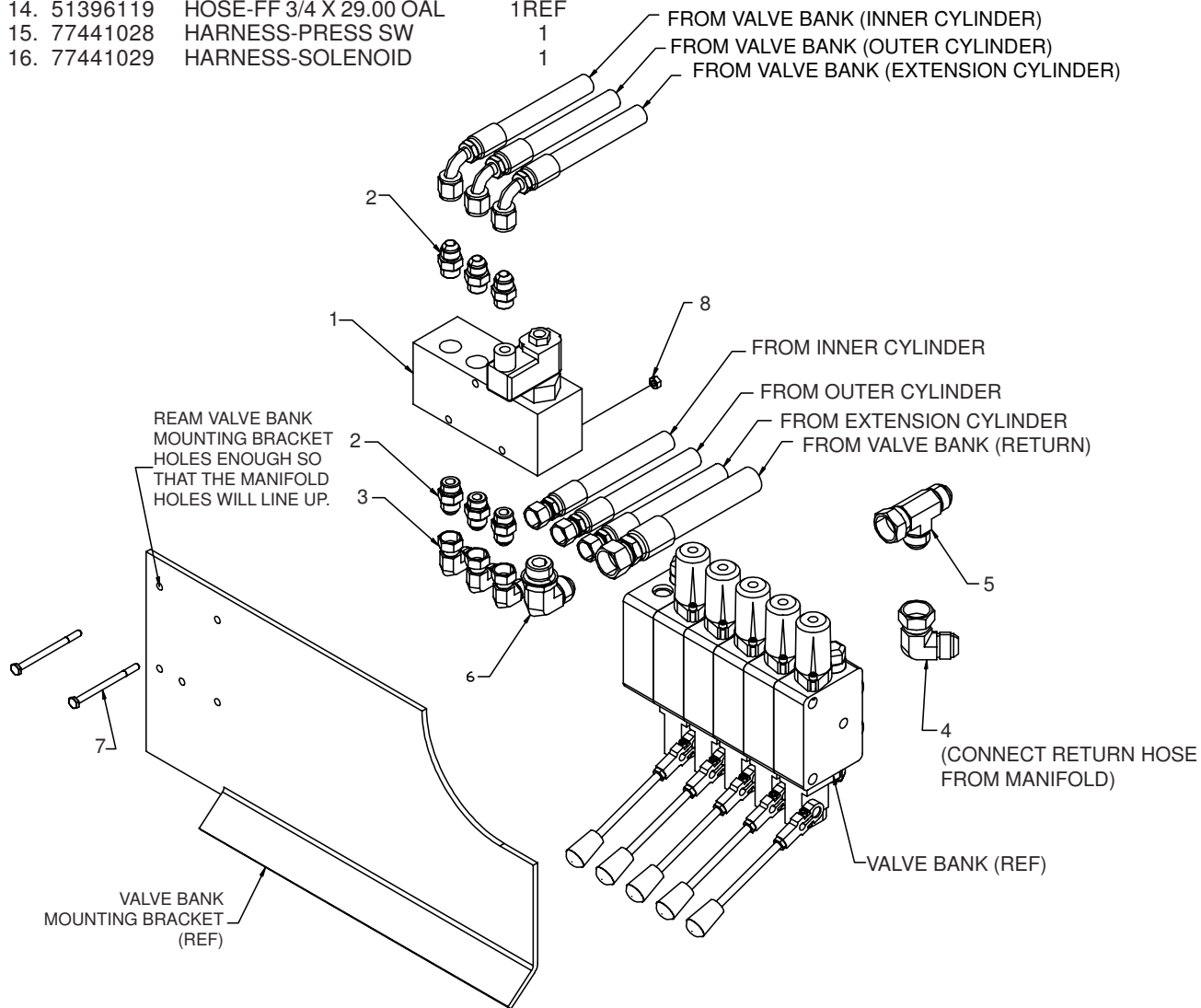
CRANE MODEL	MAIN RELIEF PSI	INNER CYL R/V PSI	INNER CYL C/B PSI	OUTER CYL R/V PSI	OUTER CYL C/B (PSI)	INNER CYL SWITCH (PSI)	OUTER CYL SWITCH (PSI)
4/29	3842	3842	4277	3842	4350	4100	4000
5/35	3842	3842	4277	3842	4350	4100	4000
6/45	3842	3842	4277	3842	4350	4100	4000
7/51	4060	4350	4423	3915	3988	4200	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

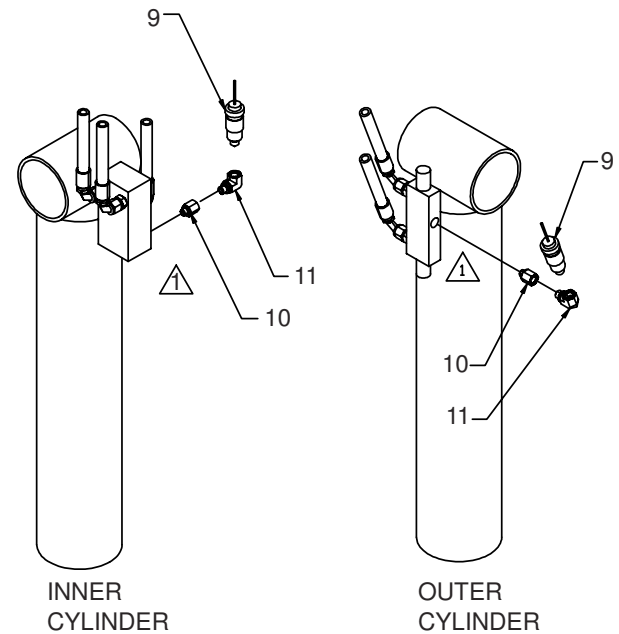
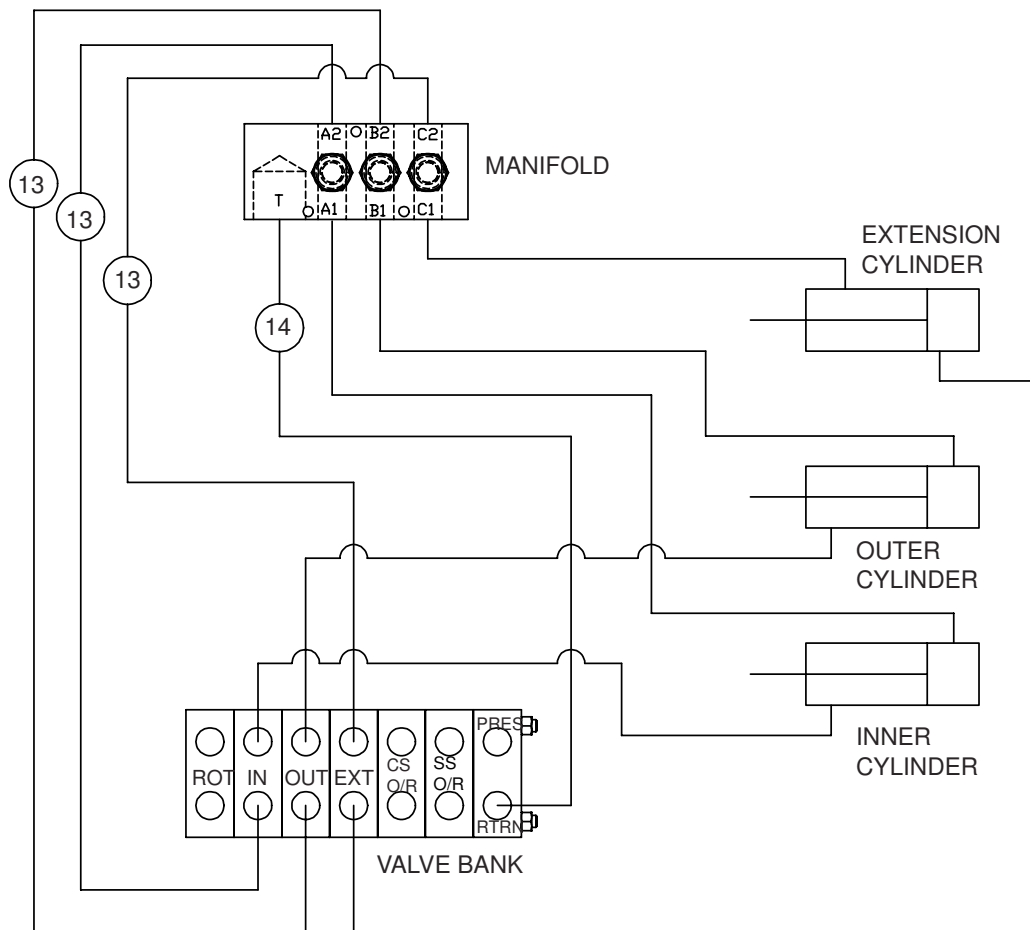
NOTE:

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

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: 20020909

POWER OUTRIGGER KIT INSTALLATION INSTRUCTIONS

1. Remove outrigger lock on crane curb-side.

PARTS-74



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



3. Remove the two bolts on the outrigger stop.



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



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



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

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



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



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

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



10. Lay outrigger on its side to pin cylinder to outrigger leg. Pin goes here.



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11. After sliding outrigger 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

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15. Install control rods and cross control rod.

See Step 17.

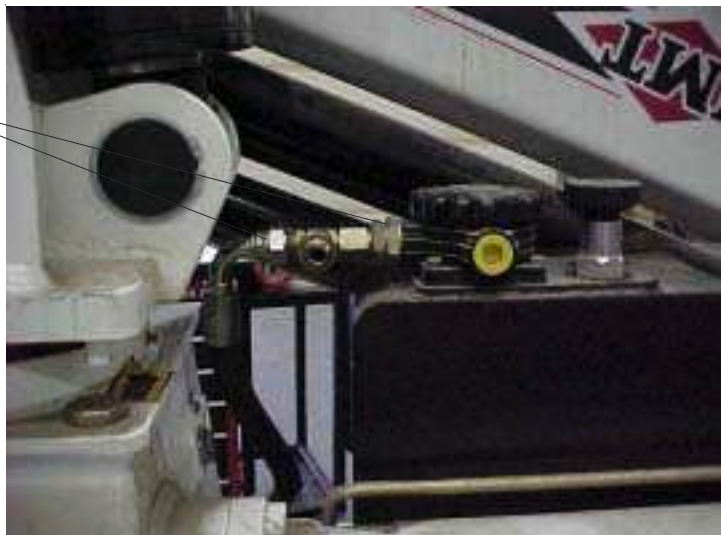


16. Port T1 is located on the valvebank bottom port next to the base. Remove the plug and screw in plug #61367. This must be installed to build up pressure so that the power outriggers will function correctly. After installing plug, add fitting #25833. Connect hose #62848. The other end of the hose will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



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PARTS-79

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.



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.



**WINCH CONVERSION KIT- PARTS LIST
(99903254-1)**

DRAWING SHOWN ON FOLLOWING PAGE

1.	70146287	KIT-ANTI 2 BLOCK	1
2.	68 86 840	MTGKIT-WINCH	1
3.	68 85 213	MTG BRKT (PART OF 2)	1REF
4.	68 85 244	PIN (PART OF 2)	2REF
5.	31 179	WASHER 37X21X3MM (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 SWVLNUTRUN	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:

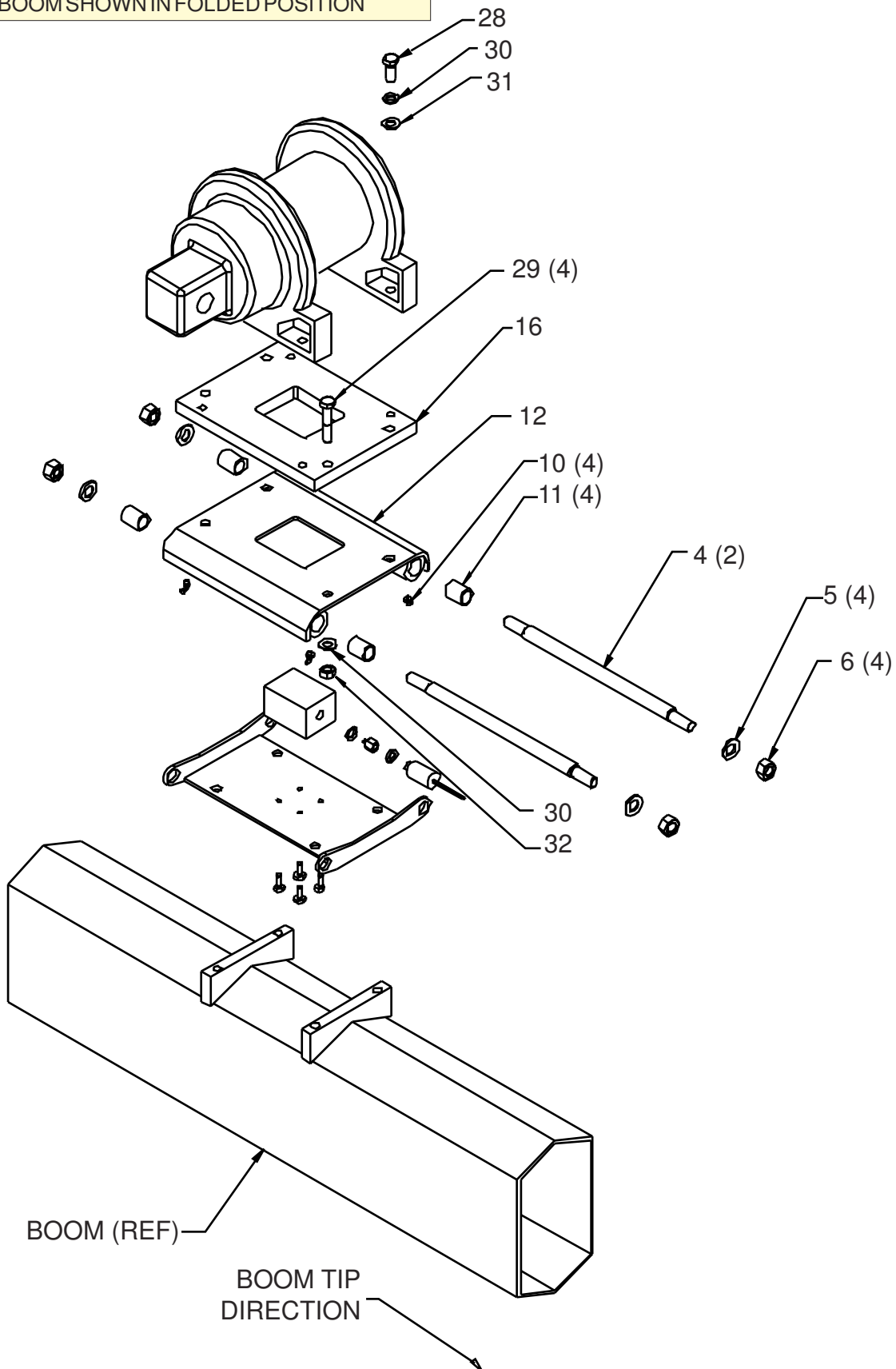
SINGLE LINE WINCH KIT 91716396

TWO-PART LINE WINCH KIT 91716670

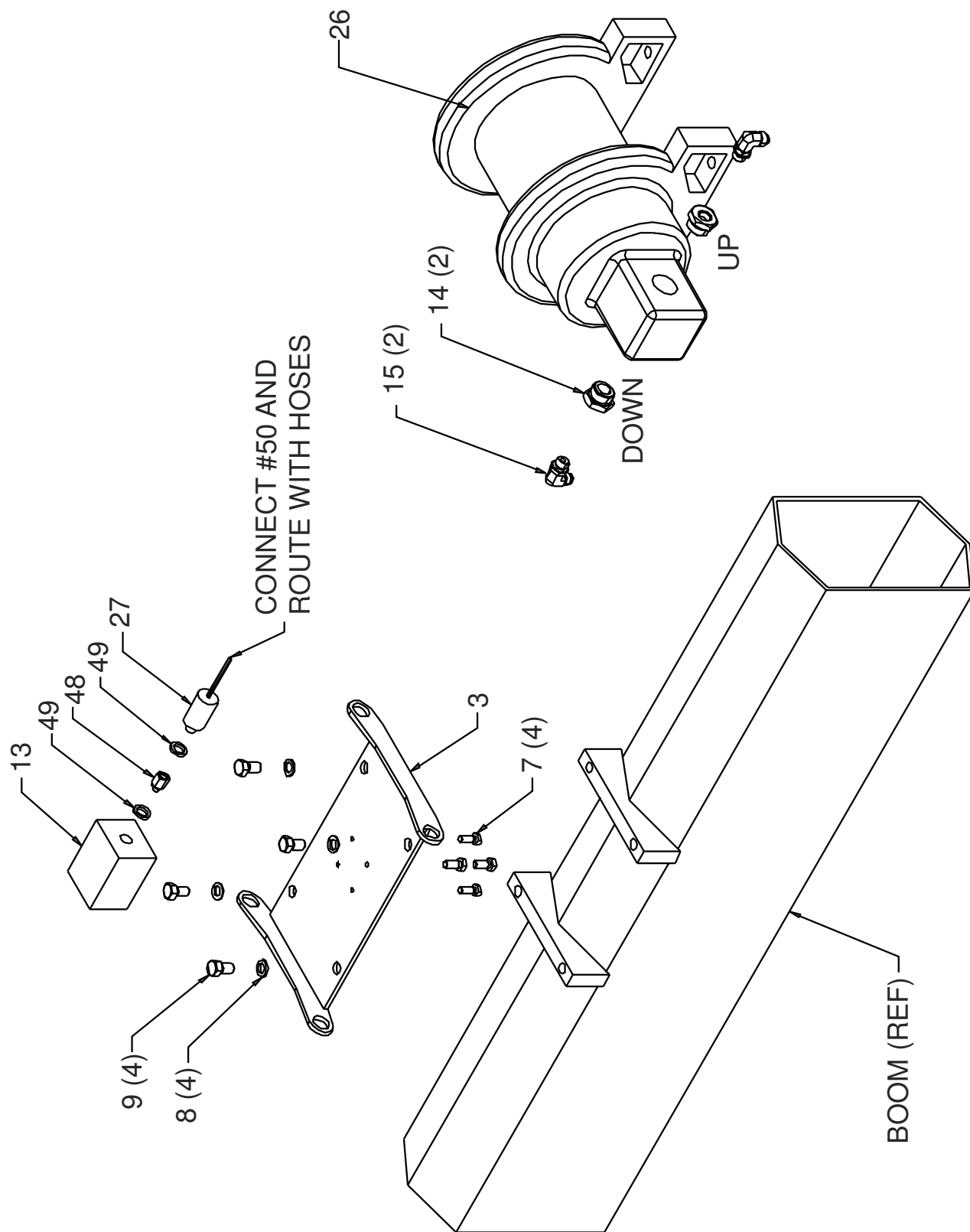
CONVERSION KIT-WINCH - DRAWING (99903254-1)

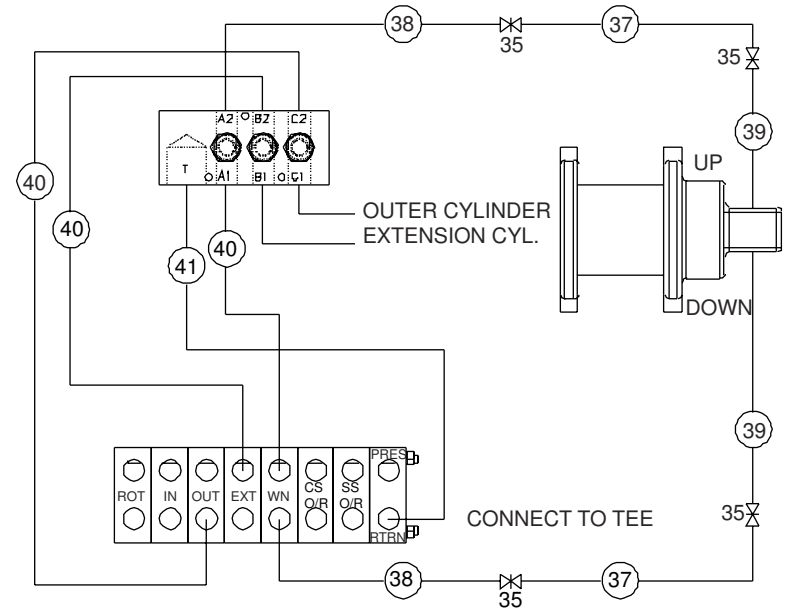
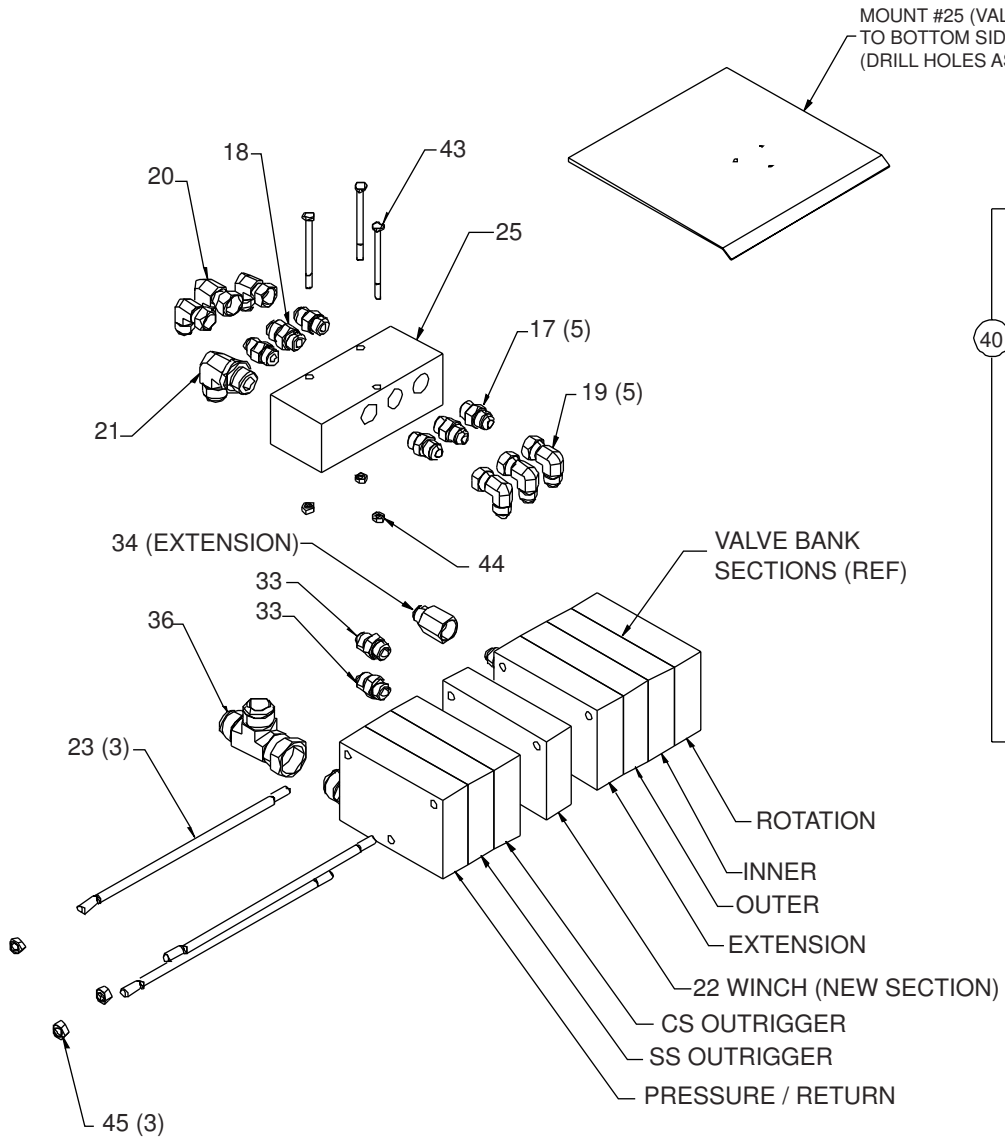
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BOOM SHOWN IN FOLDED POSITION



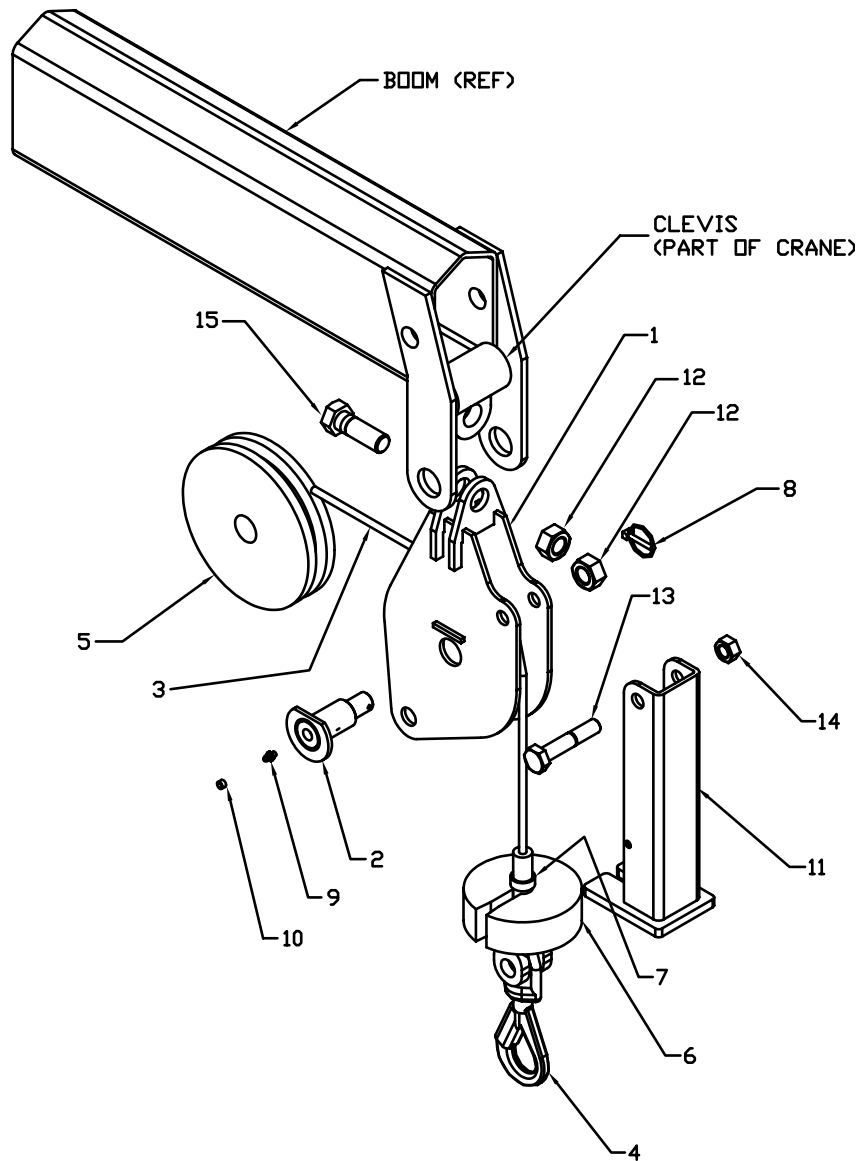
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CABLE & HOOK KIT (41716422)

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 (WAS 1)	2
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

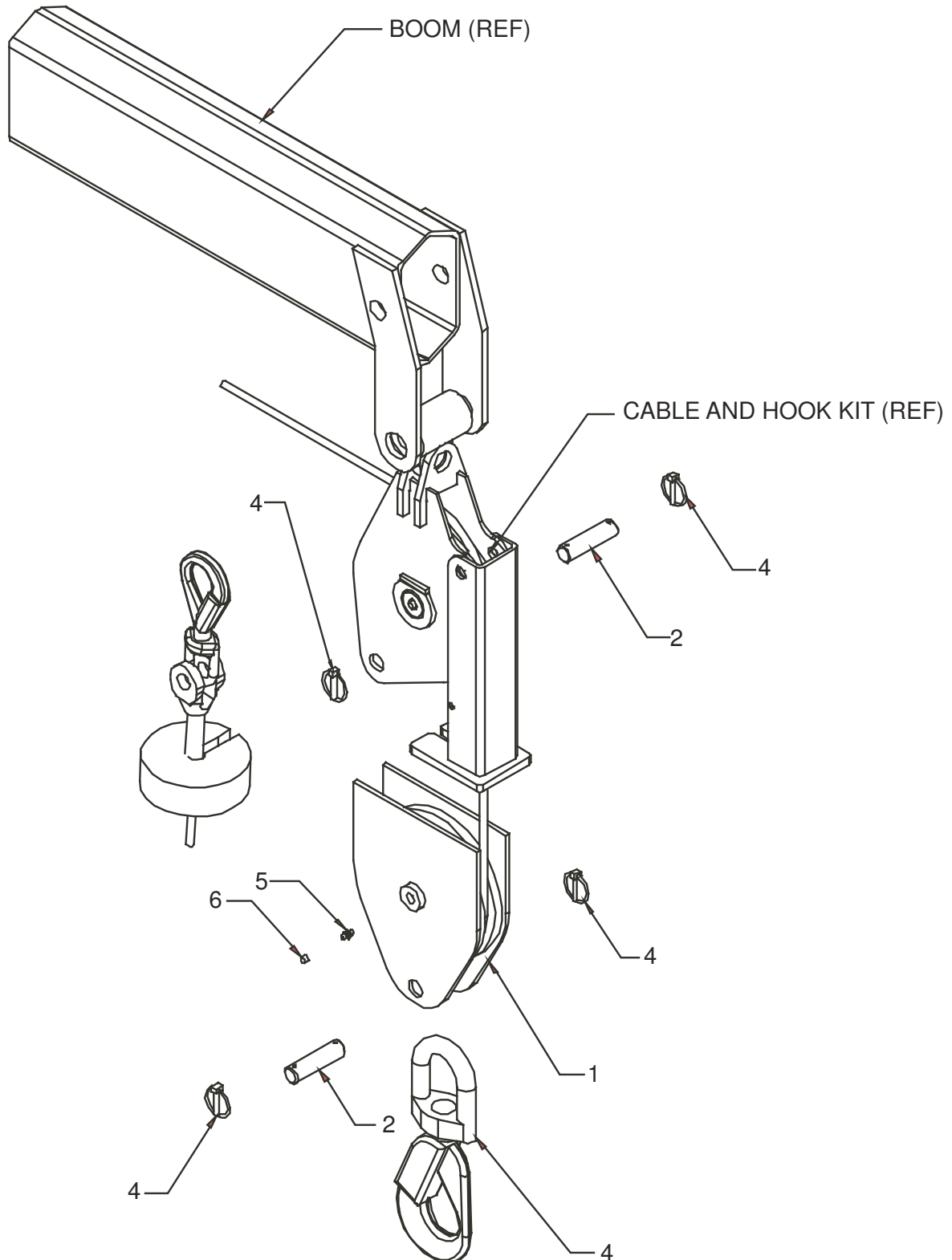


12/89: 41716423.01: 20030623

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SNATCH BLOCK ASM (41716423)

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



IMT

MATERIAL HANDLING SYSTEMS

IOWA MOLD TOOLING CO., INC.

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

MANUAL PART NUMBER: 99903049