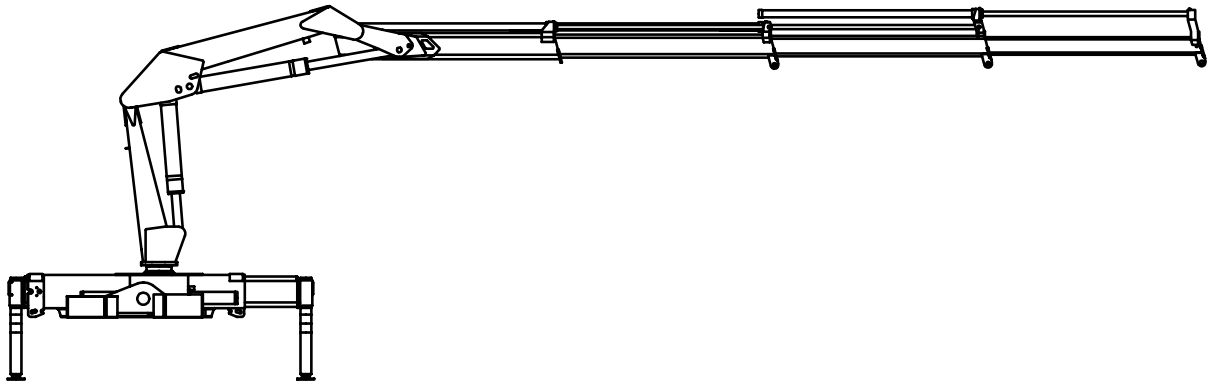




MATERIAL HANDLING SYSTEMS

Repair Parts *Model 9/63 Crane*



IOWA MOLD TOOLING CO., INC.

BOX 189, GARNER, IA 50438-0189

641-923-3711

MANUAL PART NO: 99903277

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
20010911	3,4, 56-68	ECN 8743 - ADDED TETHERED RADIO REMOTE & UPDATED TABLE OF CONTENTS
20010918	35	CORRECTED INCORRECTLY SUBMITTED PART NUMBERS
20011005	68-72	ADDED WINCH CONVERSION KIT, HOOK, DECAL DRAWING
20011204	72	ITEM #1 WAS 70029251, NOW 70392887
20020311	41	WRONG NO. ON ITEM #7 - SHOULD BE 6331964
20020416	41-43	CORRECTED PART NUMBERS WHICH HAVE CHANGED DUE TO ECN'S.
20020821	MANY	UPDATED PER CHANGES FROM MFG - SEE DATES FOR DETAILS. CHANGES CAN BE INTERCHANGED BACKWARDS.
20030325	72	ECN 8772 - ADDED SNATCH BLOCK ASM (41716423) TO MANUAL
20030519	53	ITEM #26 - CORRECTED TO 25844 BACK RING FROM 25729 SLEEVE
	55	ITEM #10 - CORRECTED FROM 6329284 TO 9329384
	56-67	RMV. CONTROL KITS - ADDED TO MANUAL 99903381 FOR 4-15 TM CONTROLS
20040129	34, 56,57	ECN 9291 - CHANGE TO WINCH CONVERSION KIT 99903329
20051102	59	ECN 9818 - CHANGE TO 41716422 CABLE & HOOK KIT
20061113	1	NEW OWNERSHIP STATEMENT
	56	ECN 10190 - CHANGE TO 99903329 WINCH MOUNTING
20070426	61	ECN 10431 - DECAL DESIGN, LAYOUT IMPROVEMENT
20070705	7	CORRECTED SEAL KIT PART #.
20110207	59	ECN 11383 - CHANGED HARDWARE ON 41716422

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INTRODUCTION

GENERAL

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

WARNING

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

CRANE IDENTIFICATION

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

IOWA MOLD TOOLING CO., INC. BOX 189, GARNER, IA 50438-0189	
MODEL NUMBER	
SERIAL NUMBER	
MFG DATE	

SERIAL NUMBER PLACARD

ORDERING REPAIR PARTS

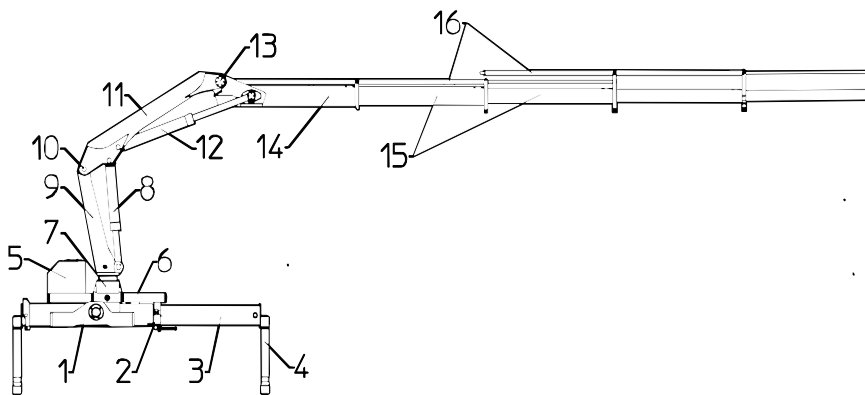
When ordering replacement parts:

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

All inquiries should be addressed to:

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

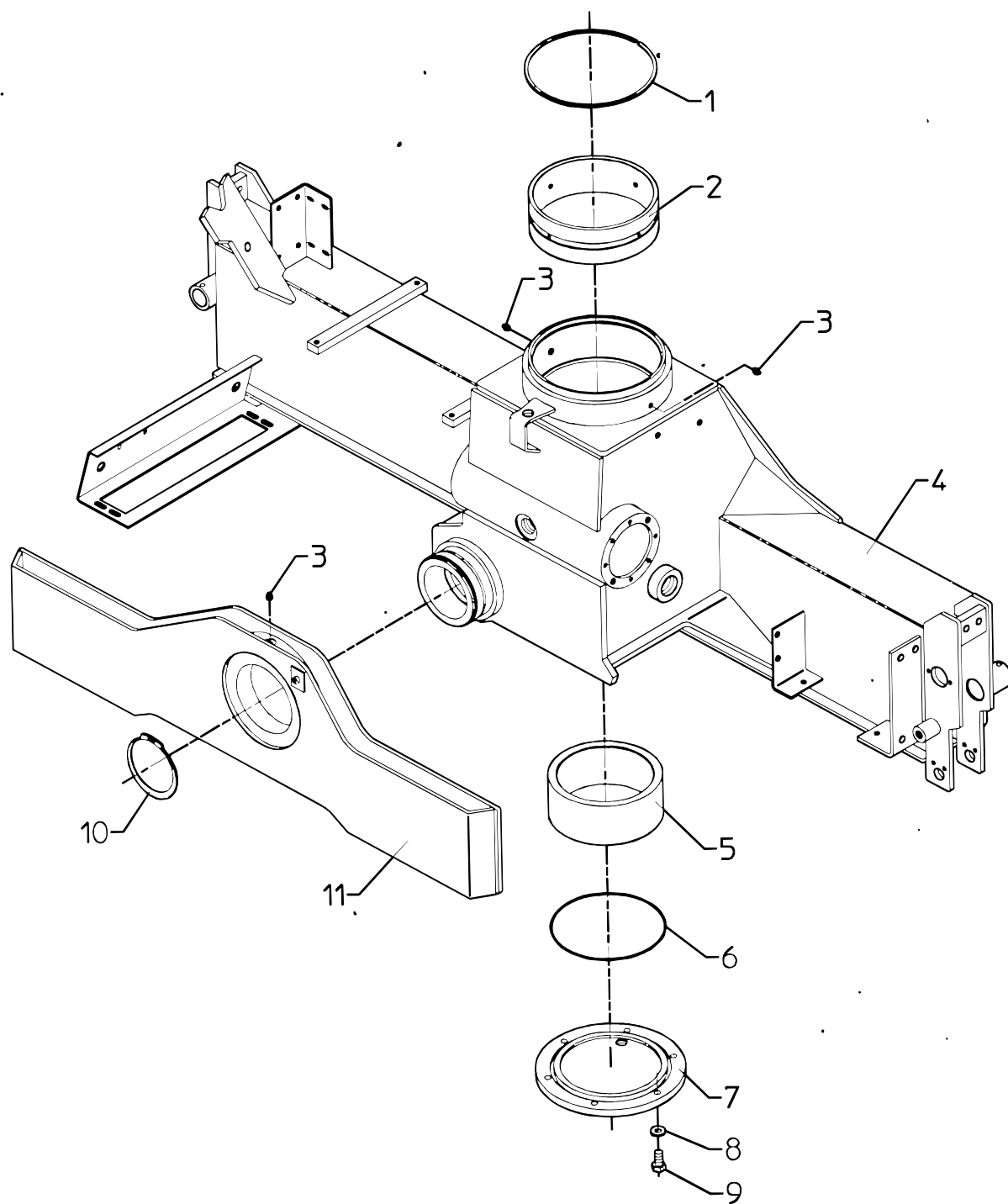
1. Suspension traverse
2. Control valve block
3. Stabilizer beam
4. Stabilizer leg
5. Tank
6. Slewing cylinder
7. Base
8. Boom cylinder
9. Column
10. Hinge pin
11. Main boom
12. Jib cylinder
13. Jib pin
14. Jib
15. Extensions
16. Extension cylinder



COMPONENT REFERENCE

BASE

	6330500	BASE	
1.	33256	SPRING RING SB 220	1
2.	63787	BEARING	1
3.	31318	LUBRICATOR 1/8" RG LIGE	3
4.	6330811	BASE	1
5.	63788	BEARING	1
6.	20343	O-RING 189.3 x 5.7	1
7.	6322243	COVER	1
8.	31156	SPRING WASHER 10mm	6
9.	30155	SET SCREW M10 x 25	6
10.	33151	SNAP RING 130U	1
11.	6330823	SUSPENSION TRAVERSE	1

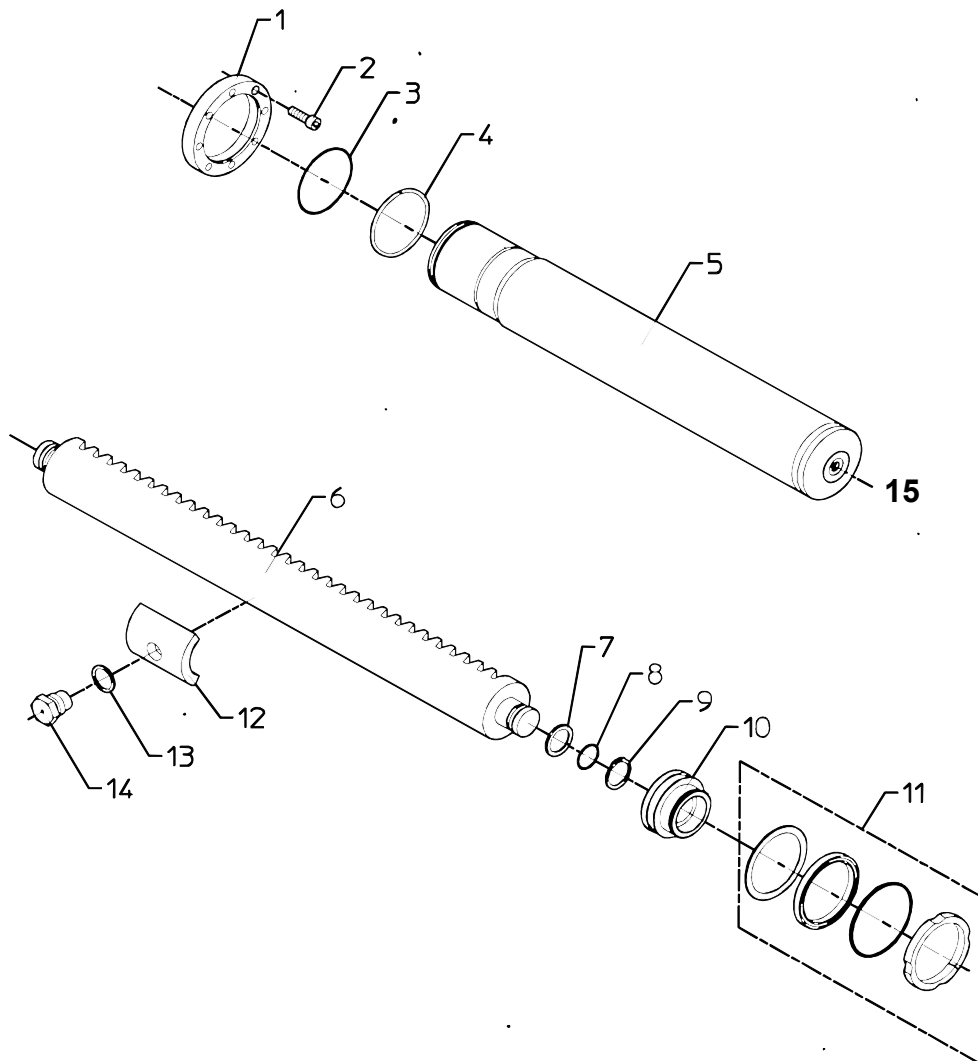


9-63: 52001100: 20070705

PARTS - 7

SLEWING SYSTEM, 400°

	6330520	SLEWING SYSTEM, 400°	
	6893050	SEAL KIT POS. 3, 7, 8, 11, 12	1
1.	6241363	FLANGE	2
2.	30475	SCREW MC 12 x 40	16
3.	20208	O-RING 114.5 x 3	2
4.	33467	LOCK RING	2
5.	6331293	CYLINDER	2
6.	6280843	RACK	1
7.	20705	BACK RING 34.2 x 3.0	2
8.	20177	O-RING 34.2 x 3	2
9.	33121	SNAP RING 40U	2
10.	6241324	PISTON	2
11.	22107	SEAL	2
12.	63852	GUIDE BLOCK	1
13.	21110	SEAL WASHER	2
		ø30.8 x 38.1 x 2.34	1
14.	6322734	SCREW	2
15.	6241404	NOZZLE	2

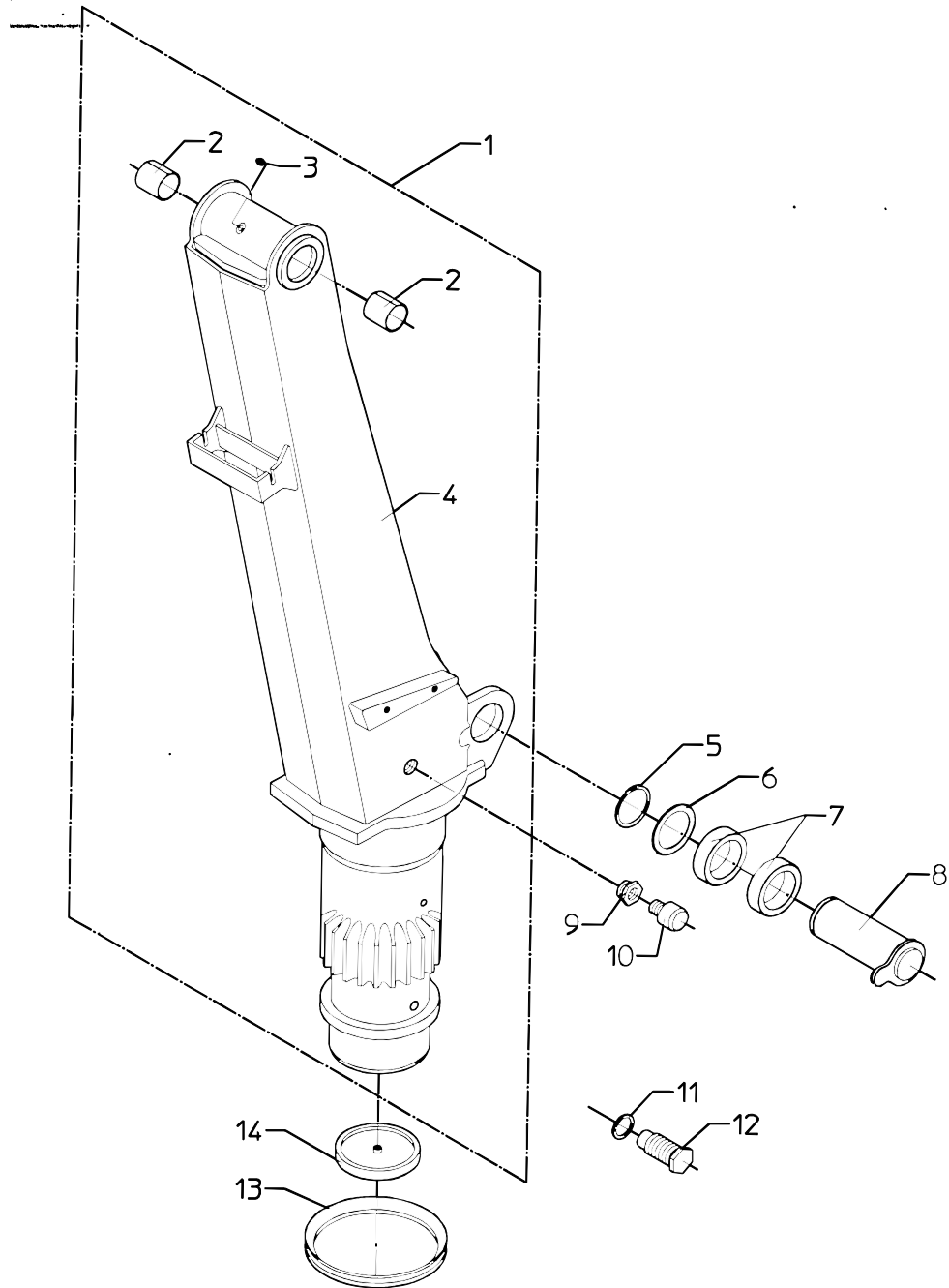


9-63: 52001200: 20020820

PARTS - 8

COLUMN

1.	6330590	COLUMN	1
2.	23330	BUSHING PM 6060 DX	
3.	31318	LUBRICATOR 1/8"RG LIGE	
4.	6331312	COLUMN	
5.	33139	SNAP RING 70 U	1
6.	33234	BACK RING 22 70 x 90 x 3.5	1
7.	63849	DISTANCE RING	2
8.	6321904	PIN	1
9.	6122194	REDUCTION	
		M30 x 1.5 / M22 x 1	1
10.	60214	AIR FILTER M22 x 1	1
11.	21113	SEAL WASHER $\varnothing 36.7 \times 46 \times 2$	1
12.	6322264	SCREW	1
13.	21931	V-RING VA-0250	1
14.	63736	TRAP STRAINER	1

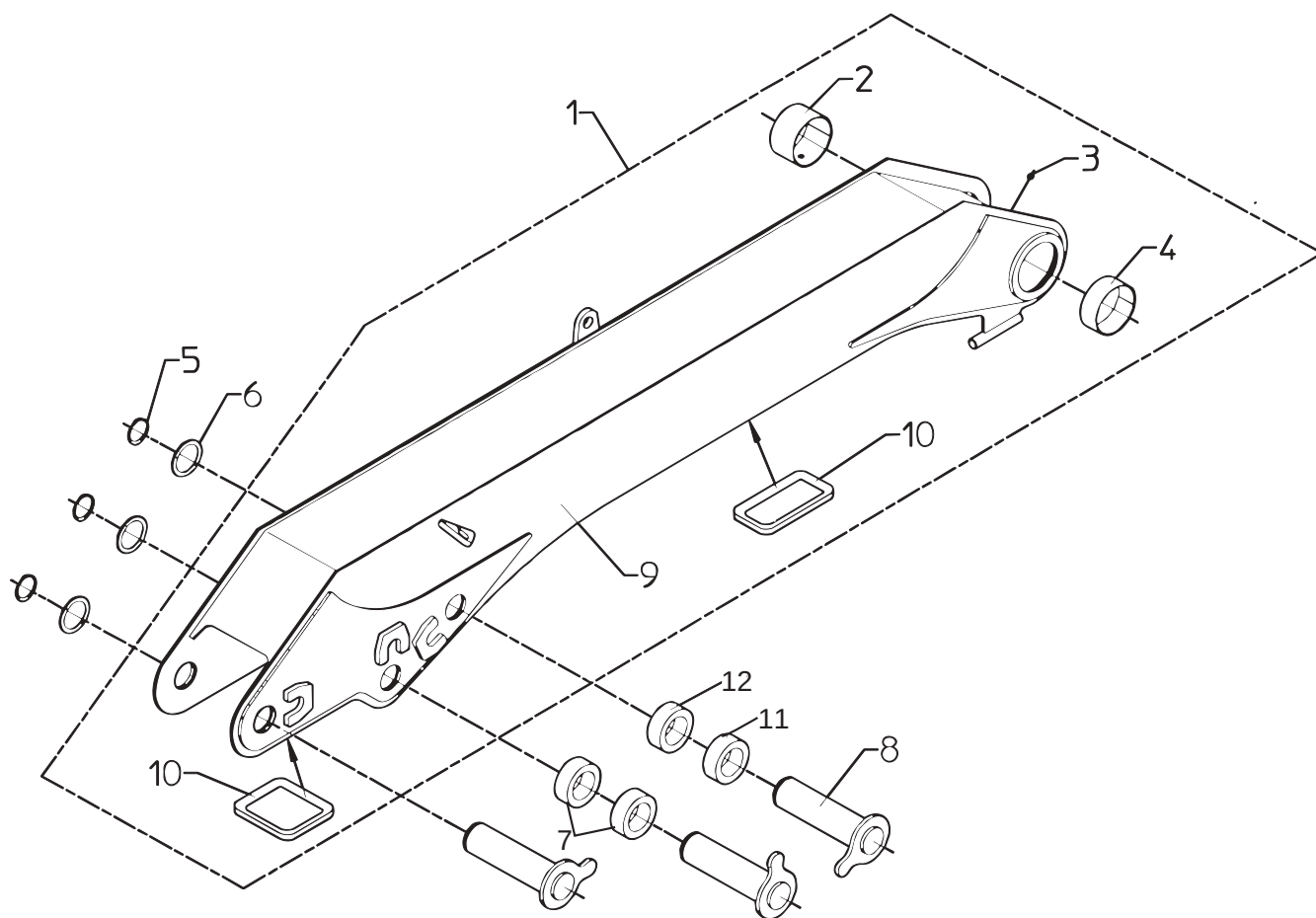


9-63:52002010: 20020820

PARTS - 9

MAIN BOOM

	6330540	MAIN BOOM	1
1.	6330600	MAIN BOOM	1
2.	23346	BUSHING PM 10060 DX	1
3.	31318	LUBRICATOR 1/8" RG LIGE	1
4.	23914	BUSHING	1
5.	33135	SNAP RING 60 U	3
6.	33231	BACK RING 60 x 75 x 3	3
7.	63782	GUIDE ROLLER	4
8.	6321714	PIN	3
9.	6330741	MAIN BOOM	1
10.	64329	RUBBER PROTECTION 250mm	
11.	63684	SPACER	1
12.	63683	SPACER	1

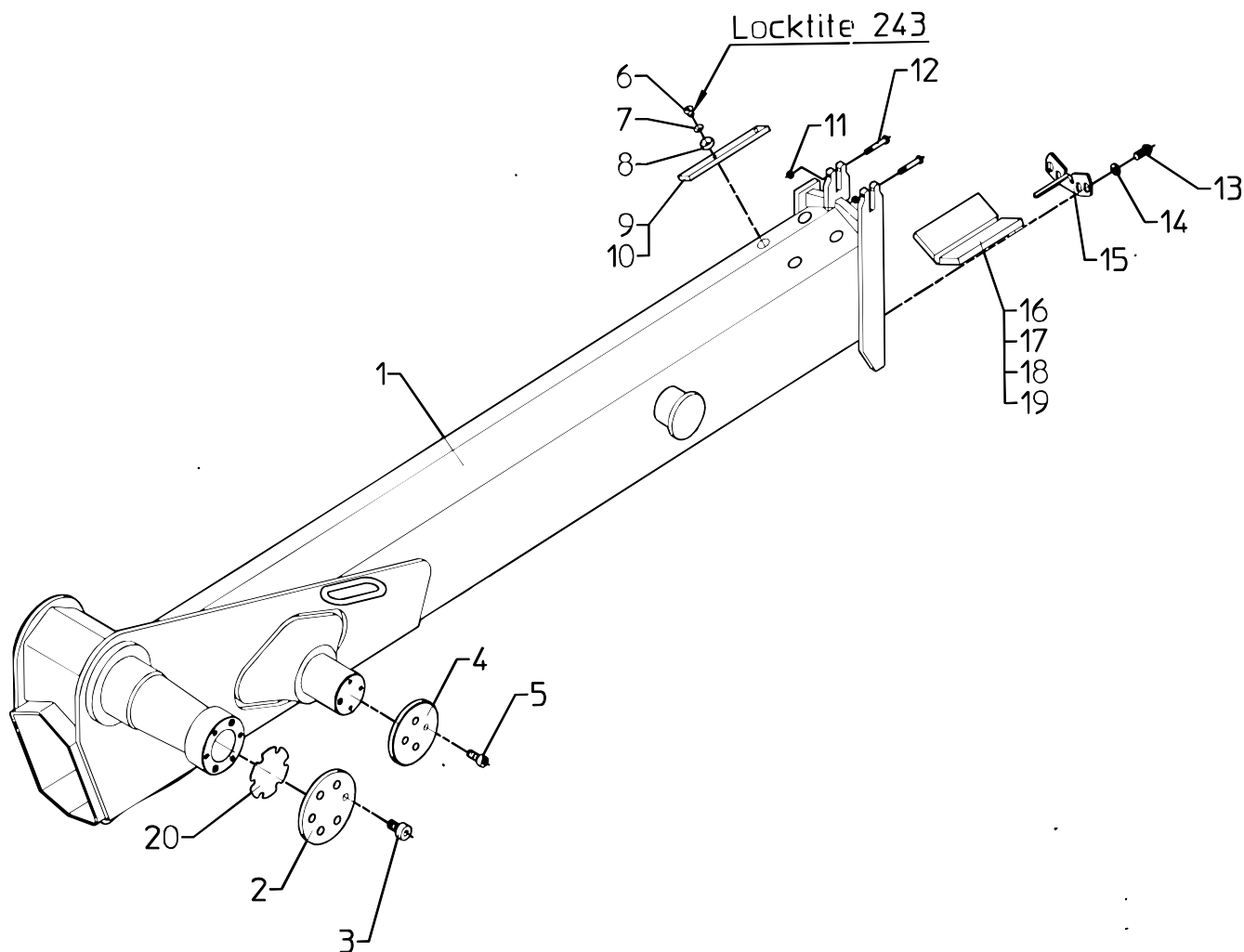


9-63: 52002050: 20120914

PARTS - 10

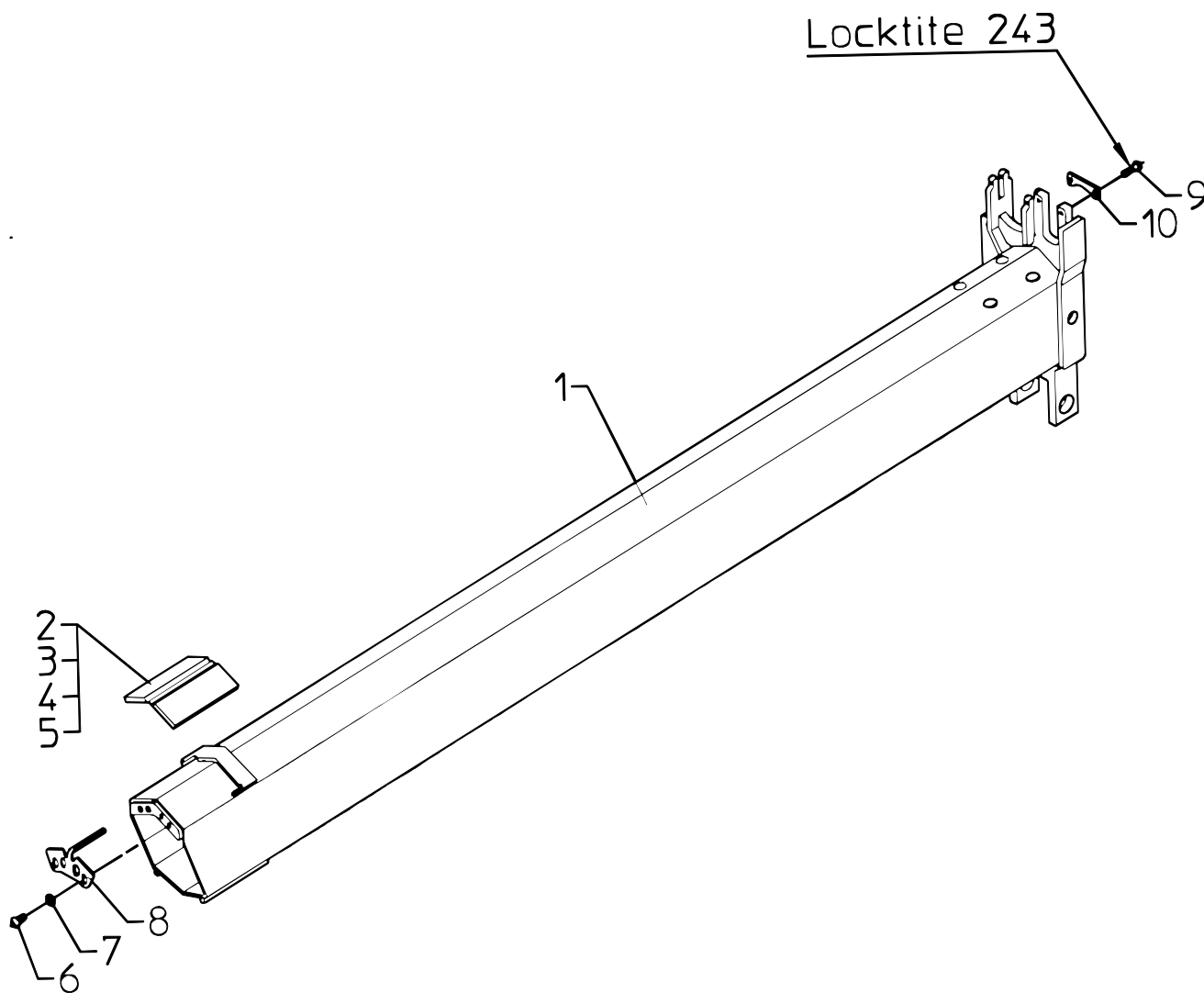
JIB

	6335030	JIB, CPL	
1.	6330852	JIB	1
2.	6322644	END PLATE	1
3.	30537	SCREW MC 12 x 25	6
4.	6201194	END PLATE	1
5.	30453	SCREW	4
6.	30597	SOUNTER-SUNK SCREW	
		MK 8 x 12	4
7.	31170	LOCK WASHER 8mm	4
8.	6242994	LOCK WASHER	4
9.	6243004	WEAR PLATE 6mm	
10.	6243014	WEAR PLATE 8mm	
11.	30884	LOCK NUT M6	2
12.	30118	STEEL BOLT M6 x 45	2
13.	30652	SCREW ULS 10 x 25	4
14.	31156	SPRING WASHER 10mm	4
15.	6246344	BRACKET	1
16.	63837	SLIDE BLOCK 8mm	
17.	63797	SLIDE BLOCK 9mm	
18.	63840	SLIDE BLOCK 10mm	
19.	63717	SLIDE BLOCK 12mm	
20.	6324594	SHIM	1



JIB EXTENSIONS, K1

	6330550	JIB EXTENSION, K1	
1.	6330902	JIB EXTENSION	1
2.	63836	SLIDE BLOCK 8mm	
3.	63797	SLIDE BLOCK 9mm	
4.	63840	SLIDE BLOCK 10mm	
5.	63717	SLIDE BLOCK 12 mm	
6.	30926	SCREW M 10 x 20	4
7.	31156	SPRING WASHER 10mm	4
8.	6246354	BRACKET	1
9.	32228	SCREW MC 8 x 16	2
10.	6320954	STOWING PIN	1

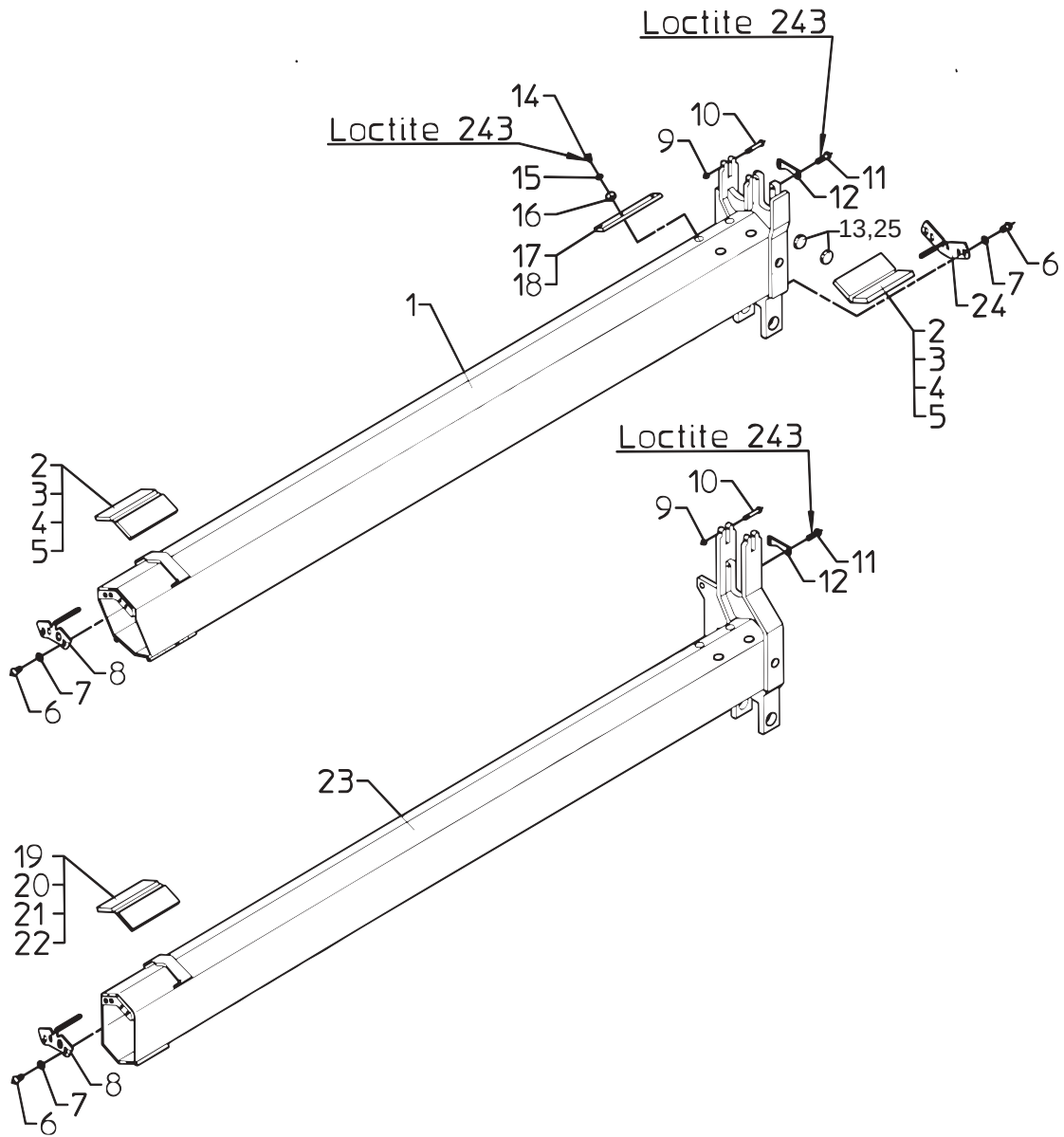


9-63: 52002110: 20020820

PARTS - 12

JIB EXTENSIONS, K2

	6335040	JIB EXTENSION, K2		12.	6320954	STOWING PIN	2
	6330550	JIB EXTENSION, K1		13.	63670	SLIDE BLOCK	
1.	6330902	JIB EXTENSION	1	14.	30597	COUNTER-SUNK SCREW	
2.	63836	SLIDE BLOCK 8mm				MK 8 x 12	4
3.	63798	SLIDE BLOCK 9mm		15.	31170	LOCK WASHER 8mm	4
4.	63839	SLIDE BLOCK 10mm		16.	6242994	LOCK WASHER	4
5.	63716	SLIDE BLOCK 12mm		17.	6243004	WEAR PLATE 6mm	
6.	30926	SCREW M10 x 20	12	18.	6243014	WEAR PLATE 8mm	
7.	31156	SPRING WASHER 10mm	12	19.	63835	SLIDE BLOCK 8mm	
8.	6246354	BRACKET	2	20.	63799	SLIDE BLOCK 9mm	
9.	30884	LOCK NUT M6	4	21.	63838	SLIDE BLOCK 10mm	
10.	30118	STEEL BOLT M6 x 45	4	22.	63715	SLIDE BLOCK 12mm	
11.	32228	SCREW MC 8 x 16	4	23.	6330942	JIB EXTENSION	1
				24.	6246344	BRACKET	1
				25.	63673	SLIDE BLOCK 7 mm	

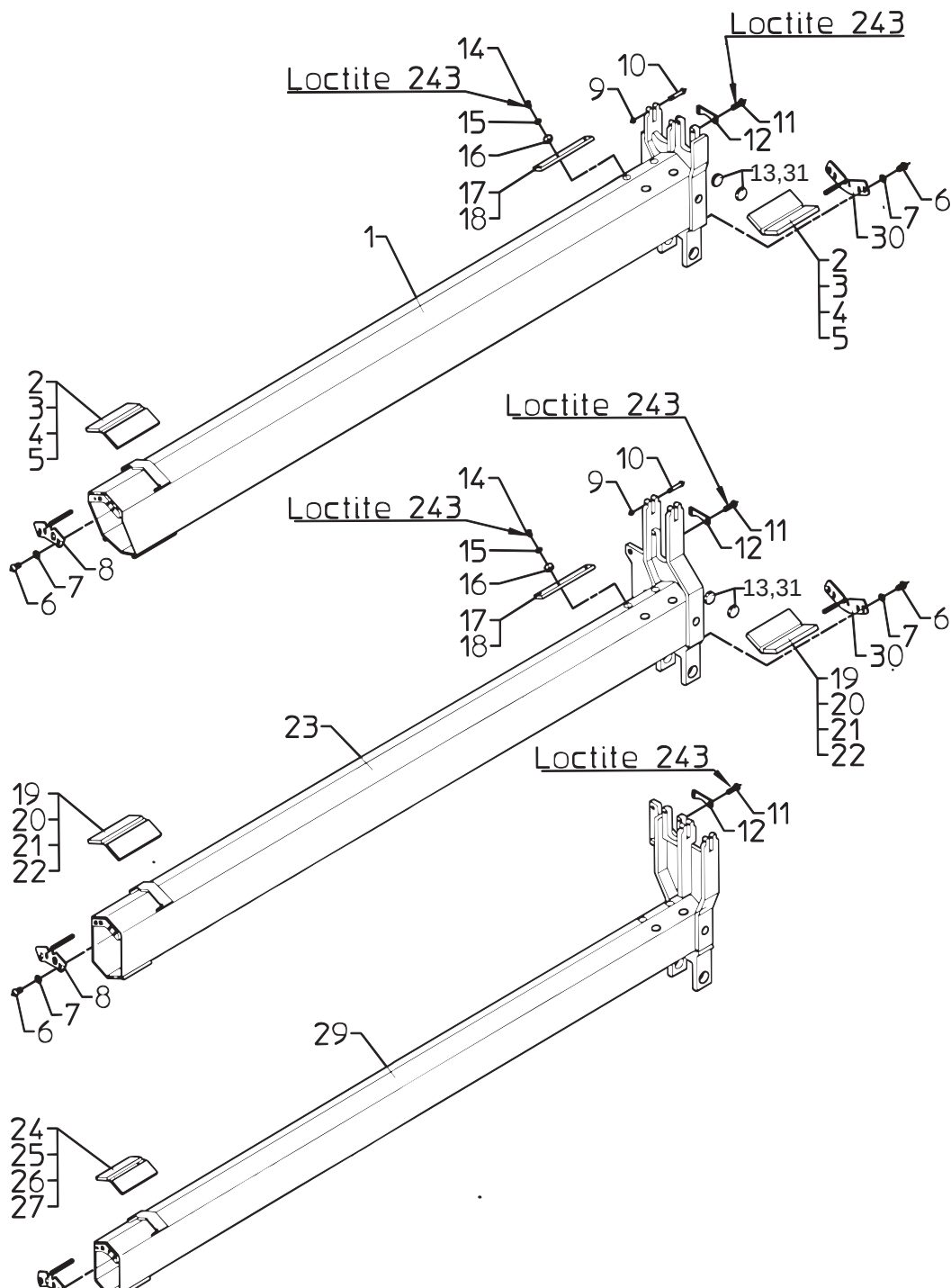


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PARTS - 13

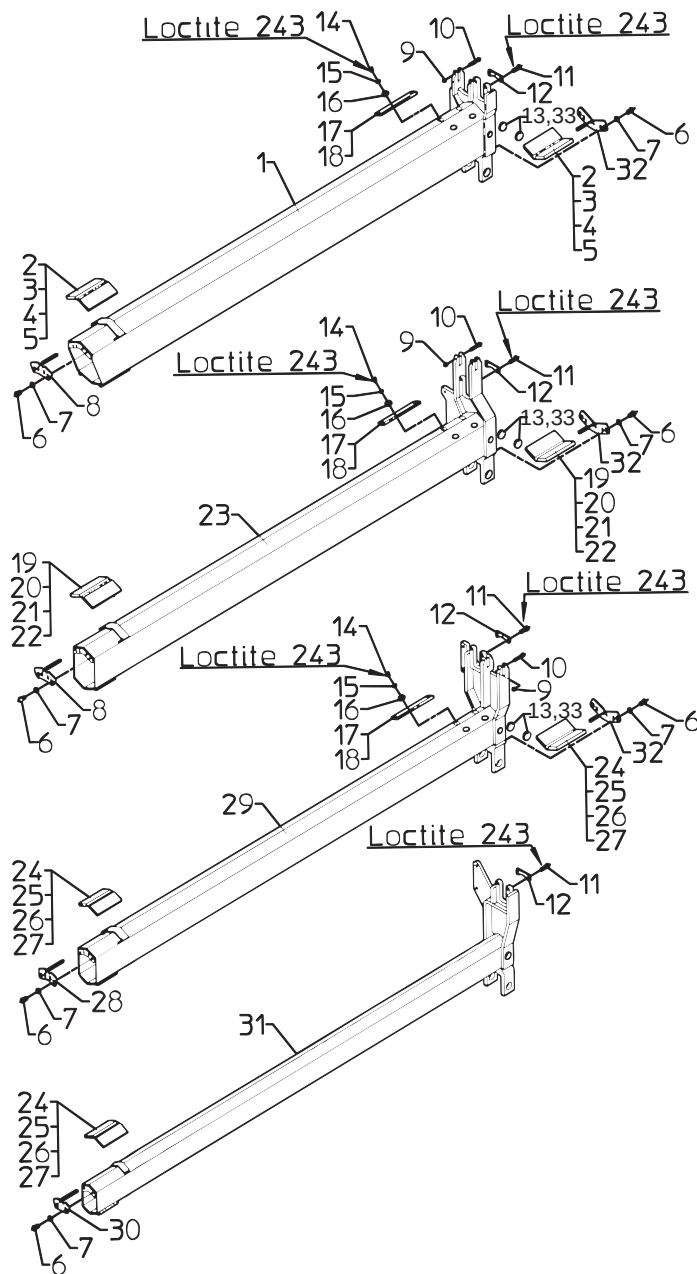
JIB EXTENSIONS, K3

	6330550	JIB EXTENSION, K1		15.	31170	LOCK WASHER 8 mm	8
	6335040	JIB EXTENSION, K2		16.	6242994	LOCK WASHER	8
	6330570	JIB EXTENSION, K3		17.	6243004	WEAR PLATE 6mm	
1.	6330902	JIB EXTENSION	1	18.	6243014	WEAR PLATE 8mm	
2.	63836	SLIDE BLOCK 8mm		19.	63835	SLIDE BLOCK 8mm	
3.	63798	SLIDE BLOCK 9mm		20.	63799	SLIDE BLOCK 9mm	
4.	63839	SLIDE BLOCK 10mm		21.	63838	SLIDE BLOCK 10mm	
5.	63716	SLIDE BLOCK		22.	63715	SLIDE BLOCK 12mm	
6.	30926	SCREW M10 x 20	20	23.	6330942	JIB EXTENSION	1
7.	31156	SPRING WASHER 10mm	20	24.	63773	SLIDE BLOCK 8mm	
8.	6246354	BRACKET	2	25.	63774	SLIDE BLOCK 9mm	
9.	30884	LOCK NUT M6	4	26.	63775	SLIDE BLOCK 10mm	
10.	30118	STEEL BOLT M6 x 45	4	27.	63776	SLIDE BLOCK 12mm	
11.	32228	SCREW MC 8 x 16	6	28.	6246374	BRACKET	1
12.	6320954	STOWING PIN	3	29.	6330982	JIB EXTENSION	1
13.	63670	SLIDE BLOCK		30.	6246344	BRACKET	2
14.	30597	COUNTER-SUNK SCREW MK 8 x 12	8	31.	63673	SLIDE BLOCK 7mm	



JIB EXTENSIONS, K4

6330550	JIB EXTENSION, K1		15. 31170	LOCK WASHER 8mm	12
6335040	JIB EXTENSION, K2		16. 6242994	LOCK WASHER	12
6330570	JIB EXTENSIONS, K3		17. 6243004	WEAR PLATE 6mm	
6330580	JIB EXTENSIONS, K4		18. 6243014	WEAR PLATE 8mm	
1. 6330902	JIB EXTENSION	1	19. 63835	SLIDE BLOCK 8mm	
2. 63836	SLIDE BLOCK 8mm		20. 63799	SLIDE BLOCK 9mm	
3. 63798	SLIDE BLOCK 9mm		21. 63838	SLIDE BLOCK 10mm	
4. 63839	SLIDE BLOCK 10mm		22. 63715	SLIDE BLOCK 12mm	
5. 63716	SLIDE BLOCK 12mm	1	23. 6330942	JIB EXTENSION	1
6. 30926	SCREW M 10 x 20	28	24. 63773	SLIDE BLOCK 8mm	
7. 31156	SPRING WASHER 10mm	28	25. 63774	SLIDE BLOCK 9mm	
8. 6246354	BRACKET	2	26. 63775	SLIDE BLOCK 10m	
9. 30884	LOCK NUT M6	6	27. 63776	SLIDE BLOCK 12mm	
10. 30118	STEEL BOLT M6 x 45	6	28. 6246374	BRACKET	1
11. 32228	SCREW MC 8 x 16	8	29. 6330982	JIB EXTENSION	1
12. 6320954	STOWING PIN	4	30. 6246384	BRACKET	1
13. 63670	SLIDE BLOCK		31. 6331032	JIB EXTENSION	1
14. 30597	COUNTER-SUNK		32. 6246344	BRACKET	3
	SCREW MK 8 x 12	12	33. 63673	SLIDE BLOCK 7mm	

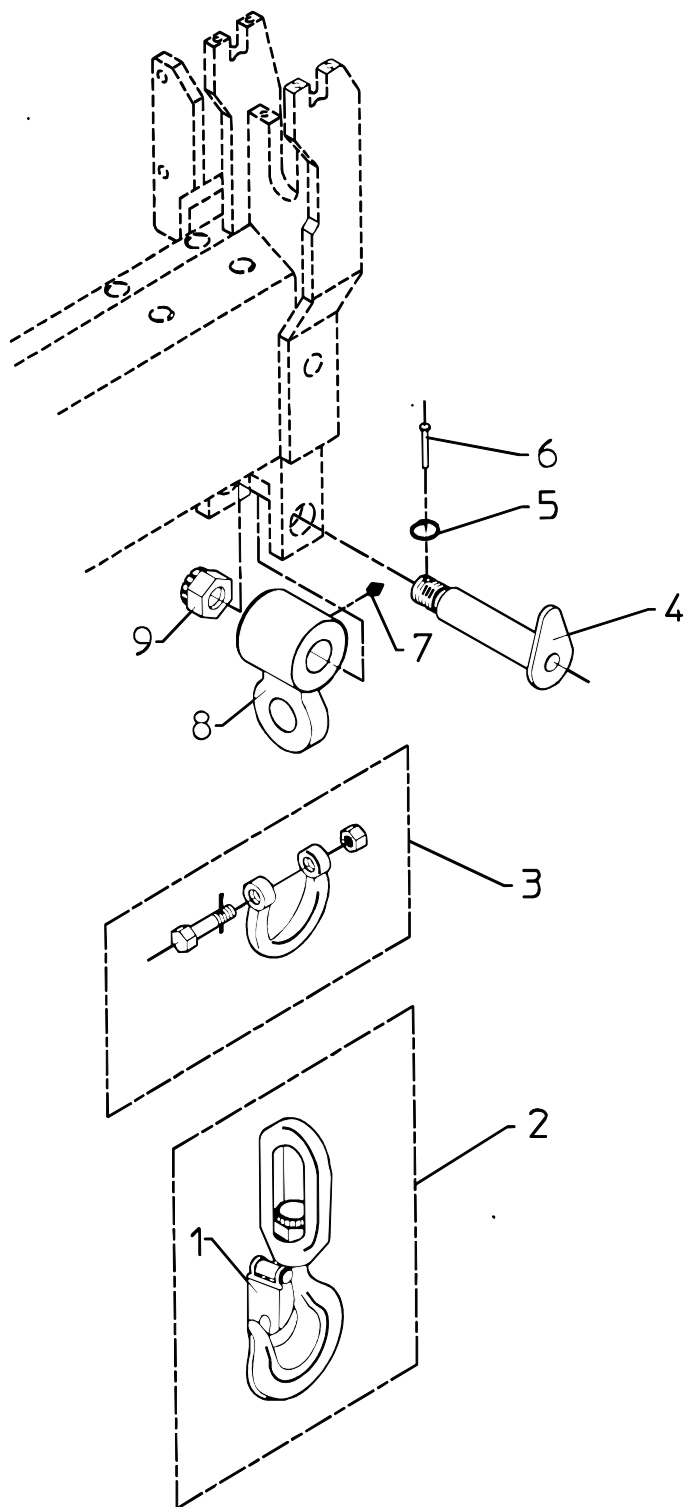


9-63:52002500: 20010522

PARTS - 15

HOOK SUSPENSION

1.	62143	SAFETY CATCH	
2.	62101	HOOK 40 KN	1
3.	62114	SHACKLE WITH NUT	
		SWL 4.75 T.	1
4.	6168014	PIN	1
5.	33458	LOCKING RING, STAINLESS	1
6.	31280	COTTER BOLT $\varnothing 5 \times 40$	1
7.	31318	LUBRICATOR 1/8"RG LIGE	1
8.	6168024	WELDED SUSPENSION	1
9.	30837	NUT M24	1

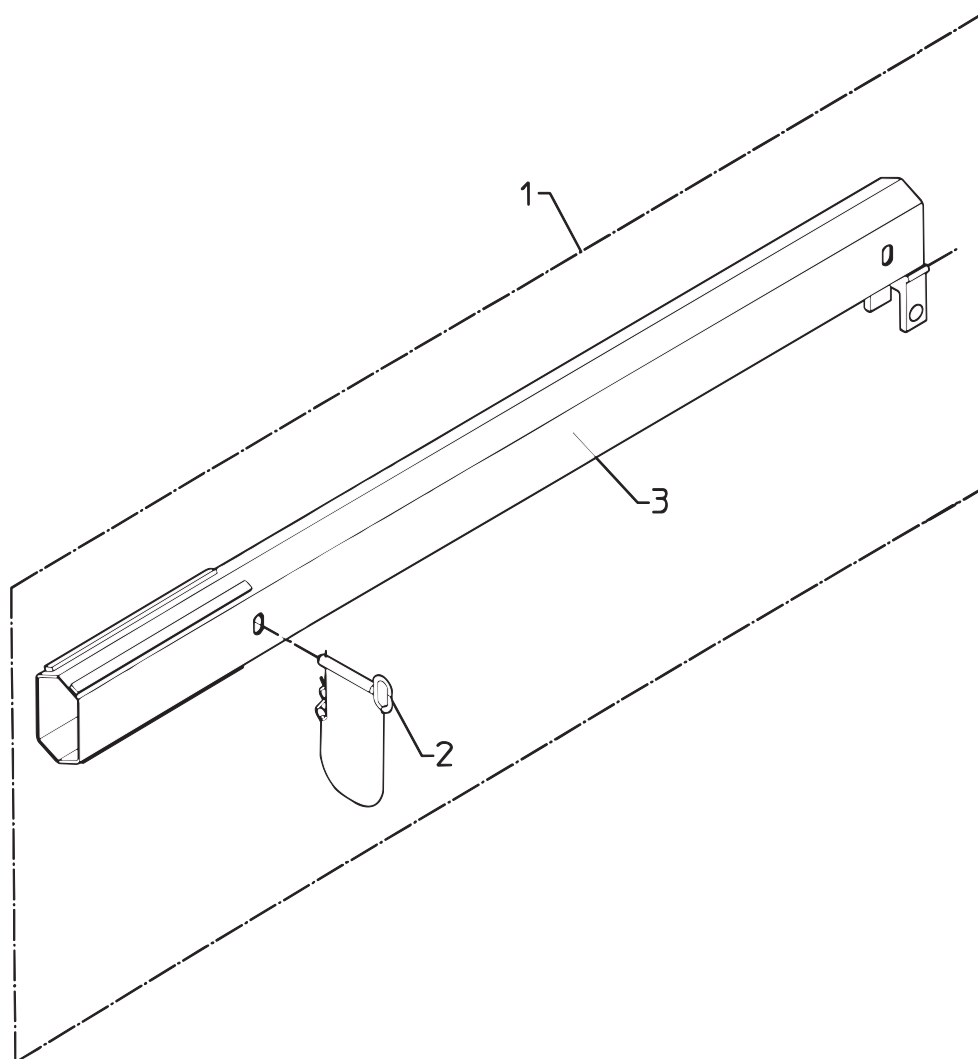


9-63:52002610: 20020820

PARTS - 16

MANUAL EXTENSIONS, K1

- | | | | |
|----|---------|-------------------------|---|
| 1. | 6332570 | MANUAL EXTENSION, CPL. | 1 |
| 2. | 6296274 | LOCK PIN WITH SPLIT PIN | |
| 3. | 6332402 | MANUAL EXTENSION 240mm | |

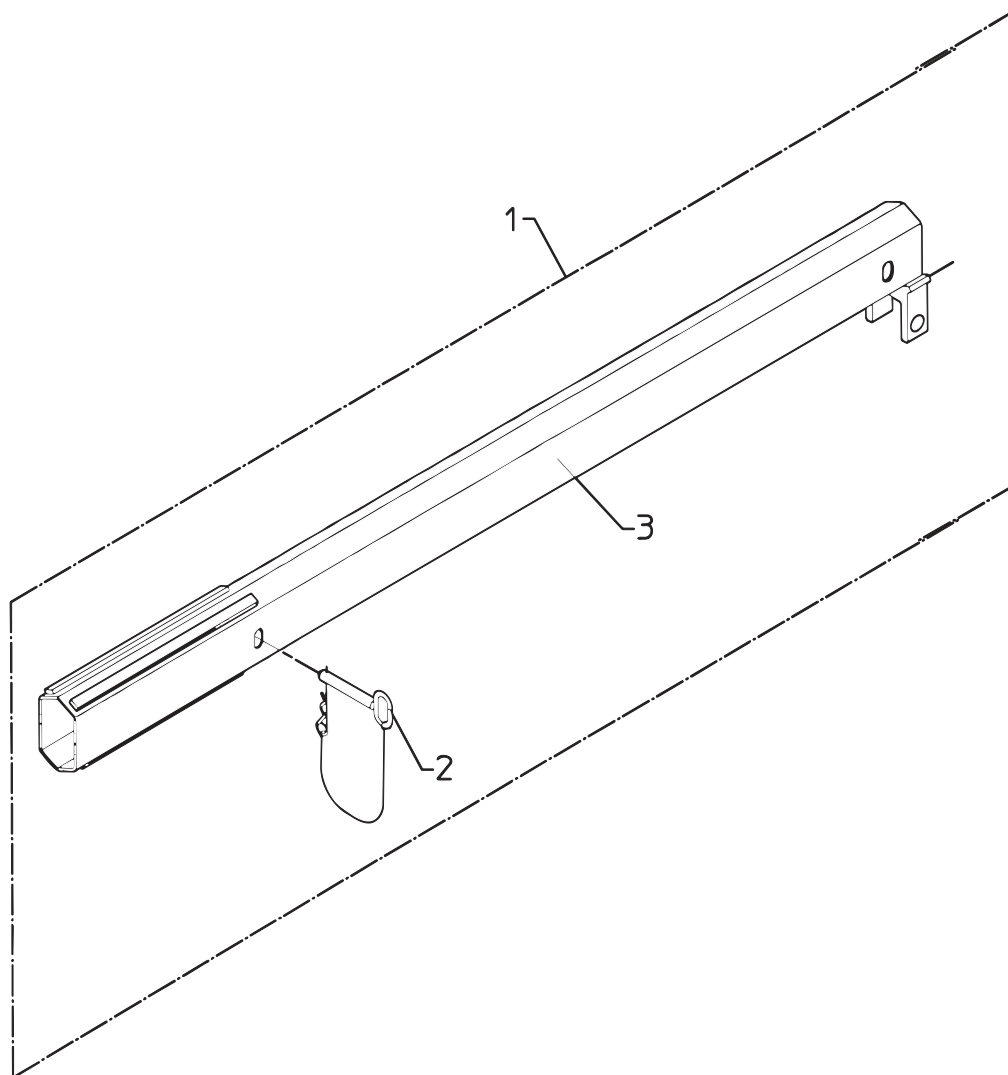


9-63: 52002620: 20020820

PARTS - 17

MANUAL EXTENSIONS, K2

- | | | | |
|----|---------|------------------------|---|
| 1. | 6332560 | MANUAL EXTENSION, CPL. | 1 |
| 2. | 6099964 | LOCK PIN 155mm | |
| 3. | 6332382 | MANUAL EXTENSION 210mm | |

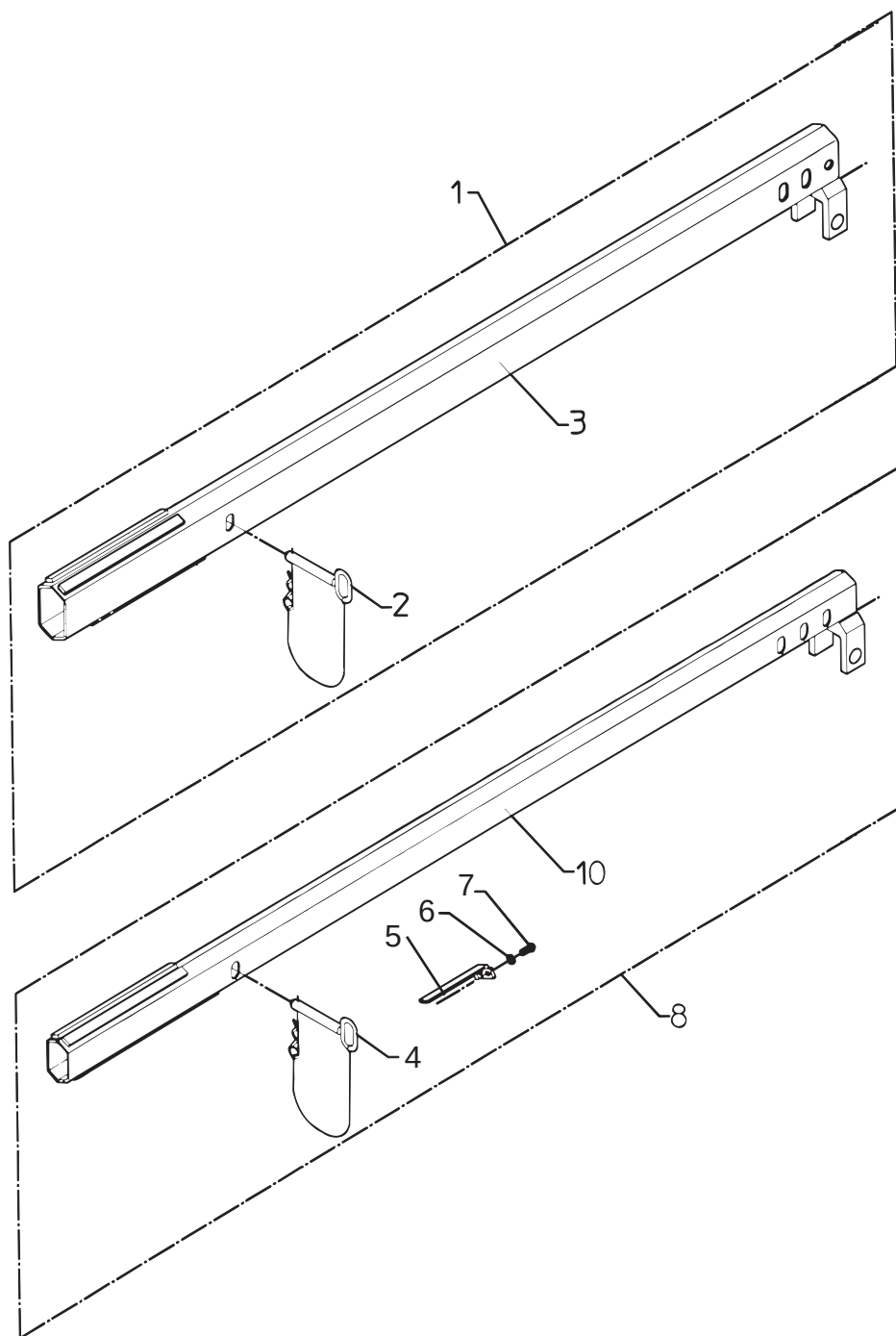


9-63: 52002630: 20020820

PARTS - 18

MANUAL EXTENSIONS, K3

- | | | | |
|----|---------|----------------------------|---|
| 1. | 6332550 | MANUAL EXTENSION, CPL. | 1 |
| 2. | 6099964 | LOCK PIN 155mm | |
| 3. | 6332362 | MANUAL
EXTENSION 180 MM | |
| 4. | 6656614 | LOCK W/SPLIT PIN, 105mm | |
| 5. | 6324964 | STOP | |
| 6. | 31156 | SPRING WASHER 10mm | |
| 7. | 30915 | PIPE PLUG M10 x 25 | |
| 8. | 6332540 | MANUAL EXTENSION, CPL. | 1 |
| 9. | 6332342 | MANUAL EXTENSION 150 MM | |

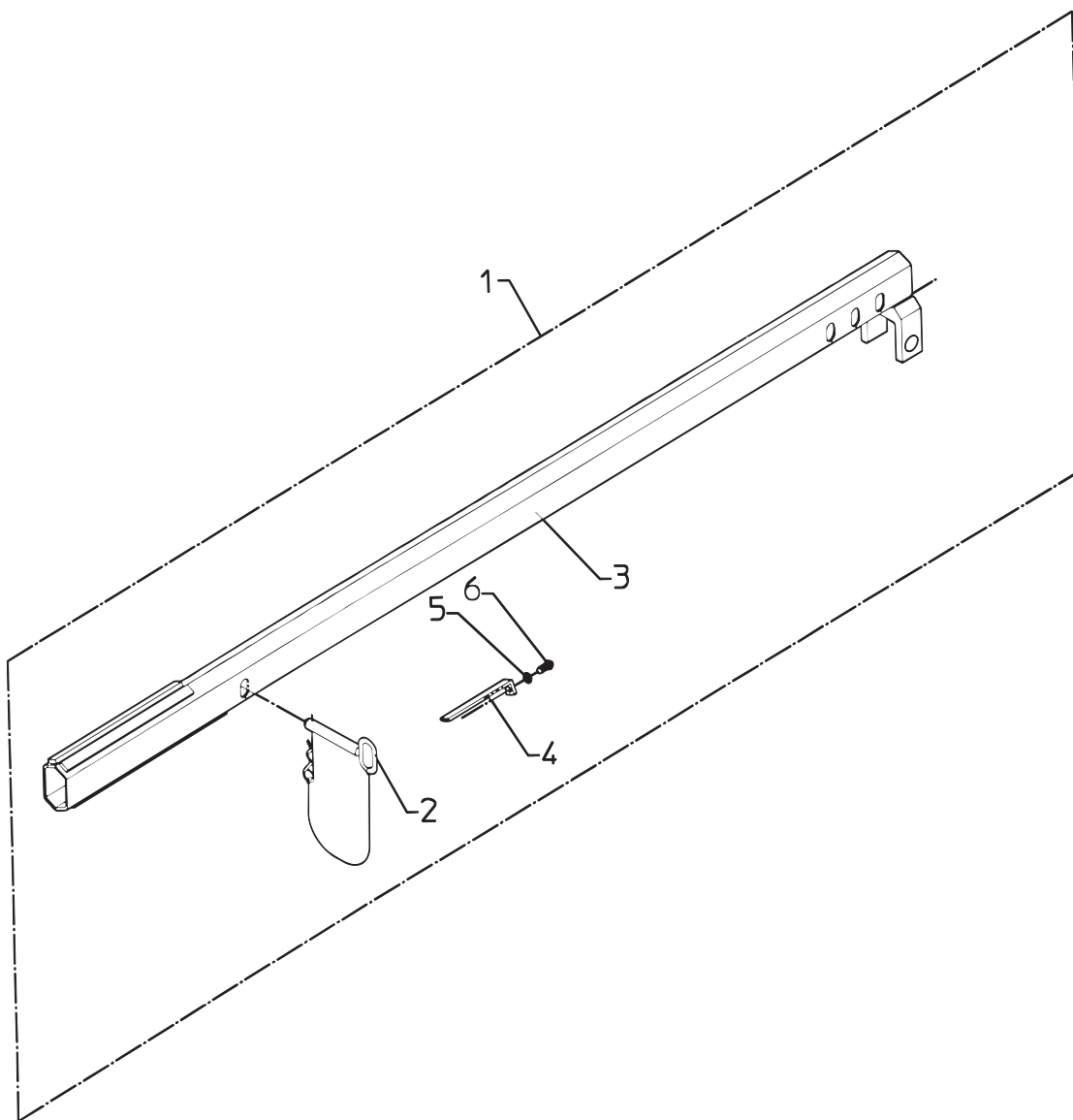


9-63: 52002640: 20020820

PARTS - 19

MANUAL EXTENSIONS, K4

- | | | | |
|----|---------|-------------------------------|---|
| 1. | 6332540 | MANUAL EXTENSION, CPL. | 1 |
| 2. | 6656614 | LOCK PIN WITH SPLIT PIN 105mm | |
| 3. | 6332342 | MANUAL EXTENSION 150MM | |
| 4. | 6324964 | STOP | |
| 5. | 31156 | SPRING WASHER 10mm | |
| 6. | 30915 | PIPE PLUG M10 x 25 | |



9-63:52003010:20020820

BOOM CYLINDER, C110-710

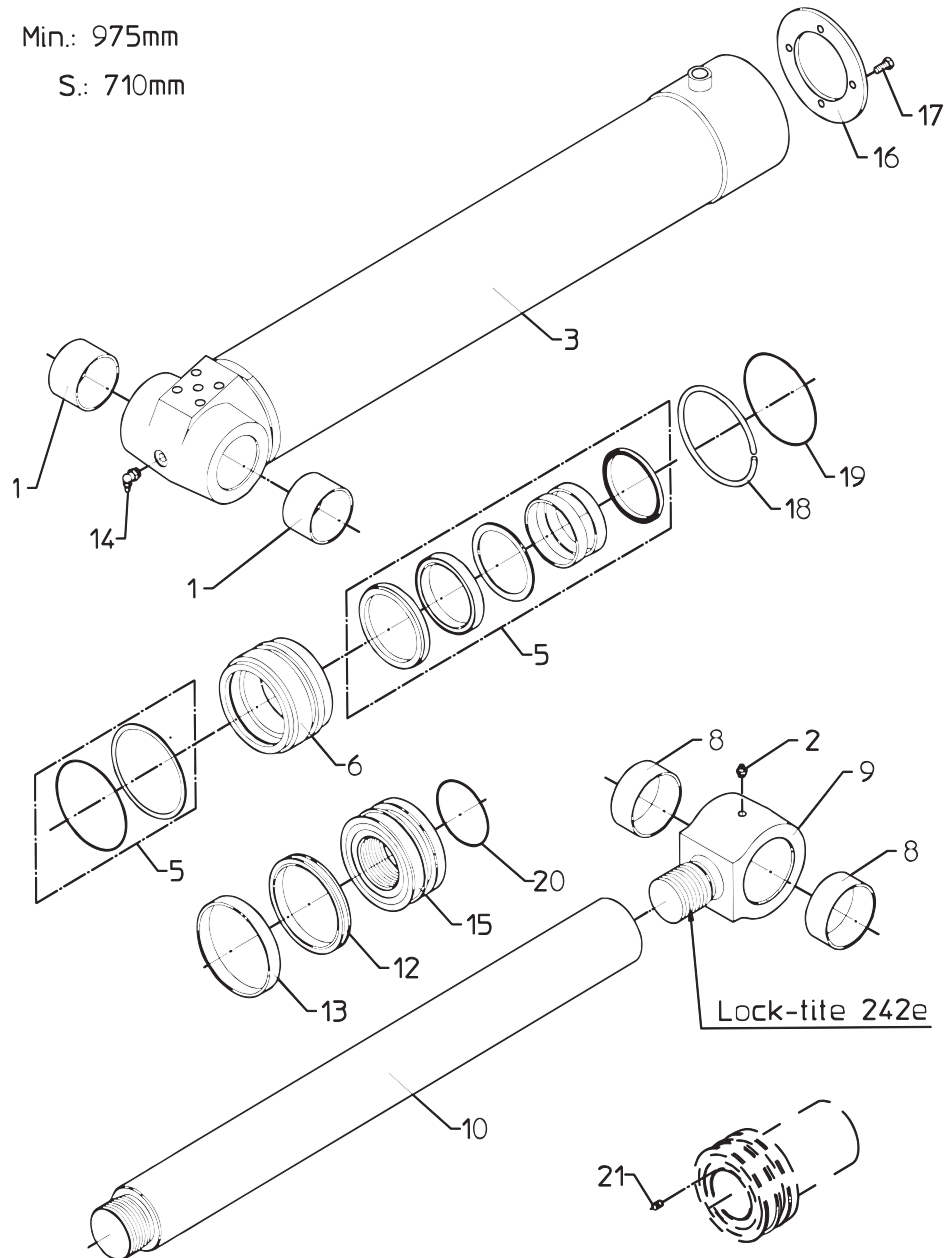
	6331420	BOOM CYLINDER C50-795	
	6893440	SEAL KIT **	
1.	23325	BUSHING PM 6040 DX	1
2.	31318	LUBRICATOR 1/8" RG LIGE	1
3.	6331372	CYLINDER	1
5.	22117	SEAL KIT	1
6.	6321562	GUIDE	1
8.	23314	BUSHING PM 7030 DX	2
9.	6321573	PISTON-ROD HEAD	1
10.	6331393	PISTON ROD	1
12.	22131	SEAL 110/75 x 12.5	1

PARTS - 20

13.	22130	GUIDE RING 110/104 x 16	2
14.	31322	LUBRICATOR 1/8" RG - 90	1
15.	6321603	PISTON	1
16.	6321624	FLANGE	1
17.	30112	SET SCREW M 6 x 16	4
18.	33401	LOCK RING	1
19.	20270	O-RING	1
20.	20188	O-RING 74.5 x 3	1
21.	30903	SCREW MSP 6 x 8	1
**	6893440	INCLUDING POSITIONS 5, 12, 13, 19, 20	

Min.: 975mm

S.: 710mm



9-63: 52003050: 20020821

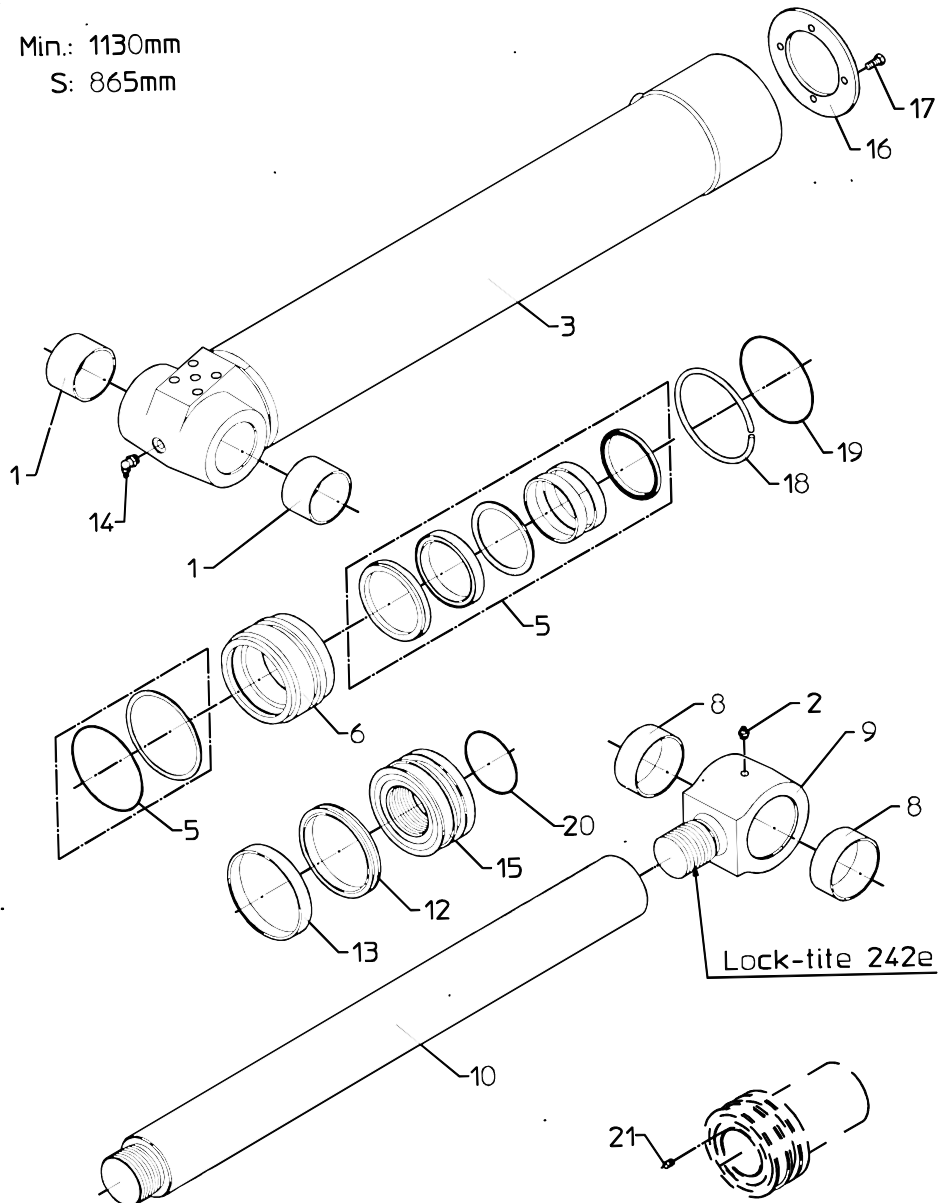
PARTS - 21

JIB CYLINDER, C110-865

	6321730	JIB CYLINDER	
	6893440	SEAL KIT **	
1.	23325	BUSHING PM 6040 DX	2
2.	31318	LUBRICATOR 1/8" RG LIGE	1
3.	6321752	CYLINDER	1
5.	22117	SEAL KIT	1
6.	6321562	GUIDE	1
8.	23314	BUSHING PM 7030 DX	2
9.	6321573	PISTON-ROD HEAD	1
10.	6321763	PISTON ROD	1
12.	22131	SEAL 110/75 x 12.5	1
13.	22130	GUIDE RING 110/104 x 16	2
14.	31322	LUBRICATOR 1/8" RG - 90	1
15.	6321603	PISTON	1
16.	6321624	FLANGE	1
17.	30112	SET SCREW M 6 x 16	4
18.	33401	LOCK RING	1
19.	20270	O-RING	1
20.	20188	O-RING 74.5 x 3	1
21.	30903	SCREW MSP 6 x 8	1
**	6893440	INCLUDING	
		POSITIONS 5, 12, 13, 19, 20	

Min.: 1130mm

S: 865mm

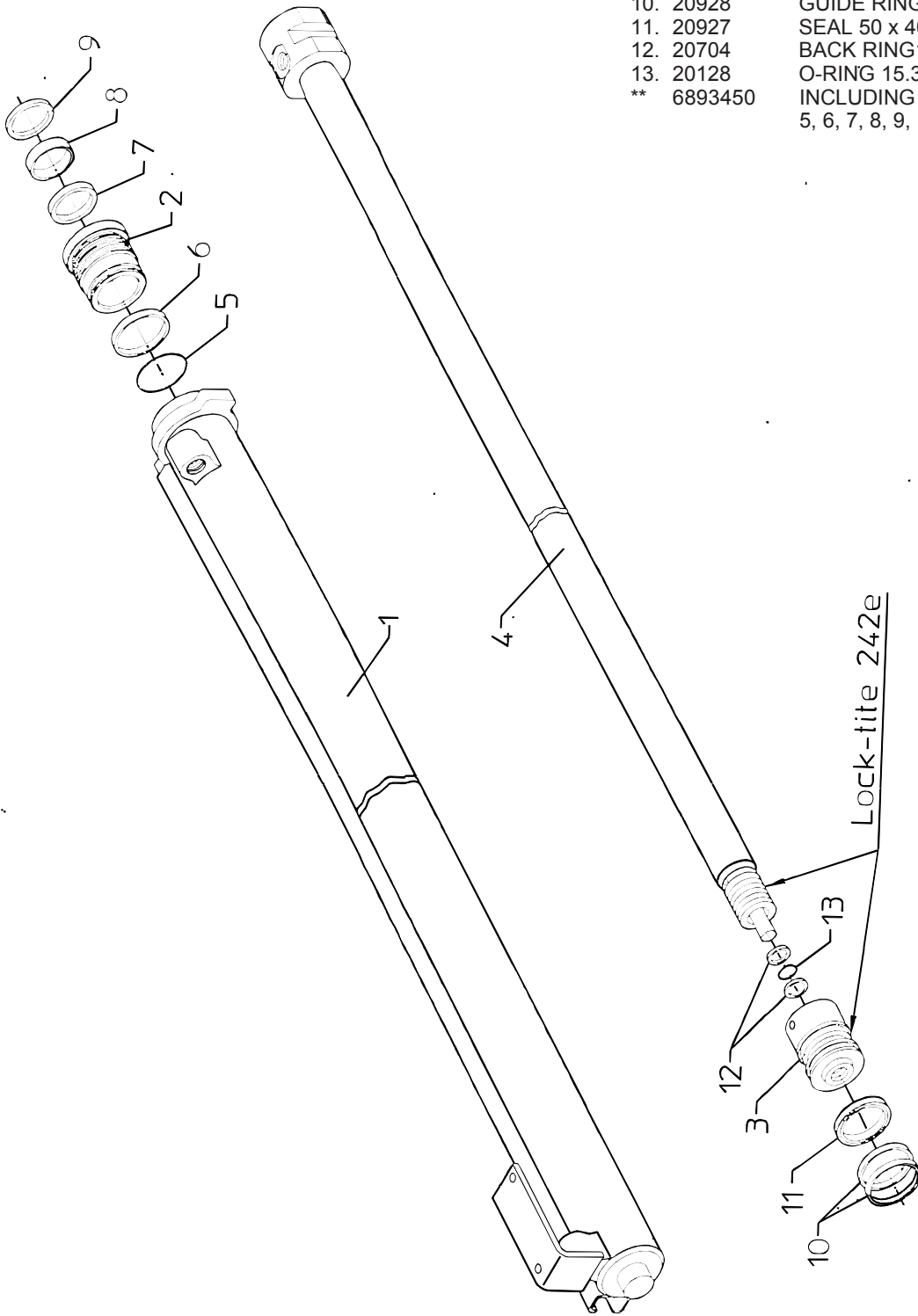


EXTENSION CYLINDER, C50-1800, K1

	6331440	EXTENSION CYLINDER C50-1800	
	6893450	SEAL KIT *	
1.	6331072	CYLINDER	1
2.	6321303	GUIDE	1
3.	6324293	PISTON	1
4.	6331093	PISTON ROD	1
5.	20181	O-RING 44.2 x 3	1
6.	20709	BACK RING 45 x 50	1
7.	20945	SEAL	1
8.	20934	SEAL	1
9.	20926	SCRAPER	1
10.	20928	GUIDE RING 50 x 45 x 5.6	2
11.	20927	SEAL 50 x 40 x 8	1
12.	20704	BACK RING 15.3 x 2.4	2
13.	20128	O-RING 15.3 x 2.4	1
**	6893450	INCLUDING POSITIONS 5, 6, 7, 8, 9, 10, 11, 12, 13	

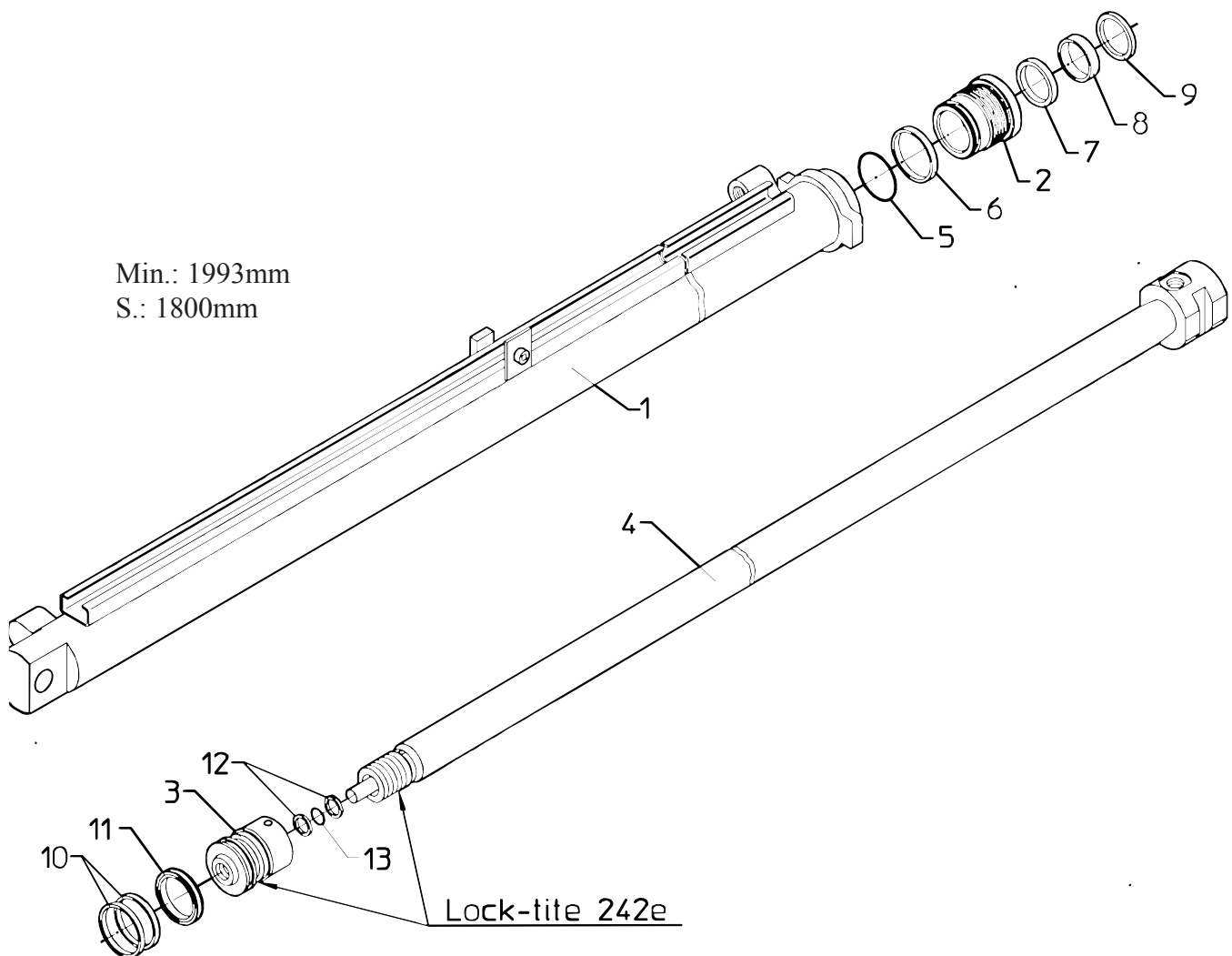
Min.: 1967mm

S.: 1800mm



EXTENSION CYLINDER, C50-1800, K2

	6331450	EXTENSION CYLINDER C50-1800	
	6893450	SEAL KIT **	
1.	6331122	CYLINDER	1
2.	6321303	GUIDE	1
3.	6324293	PISTON	1
4.	6331093	PISTON ROD	1
5.	20181	O-RING 44.2 x 3	1
6.	20709	BACK RING 45 x 50	1
7.	20945	SEAL	1
8.	20934	SEAL	1
9.	20926	SCRAPER	1
10.	20928	GUIDE RING 50 X 45 x 5.6	2
11.	20927	SEAL 50 x 40 x 8	1
12.	20704	BACK RING 15.3 x 2.4	2
13.	20128	O-RING 15.3 x 2.4	1
**	6893450	INCLUDING POSITIONS 5, 6, 7, 8, 9, 10, 11, 12, 13	

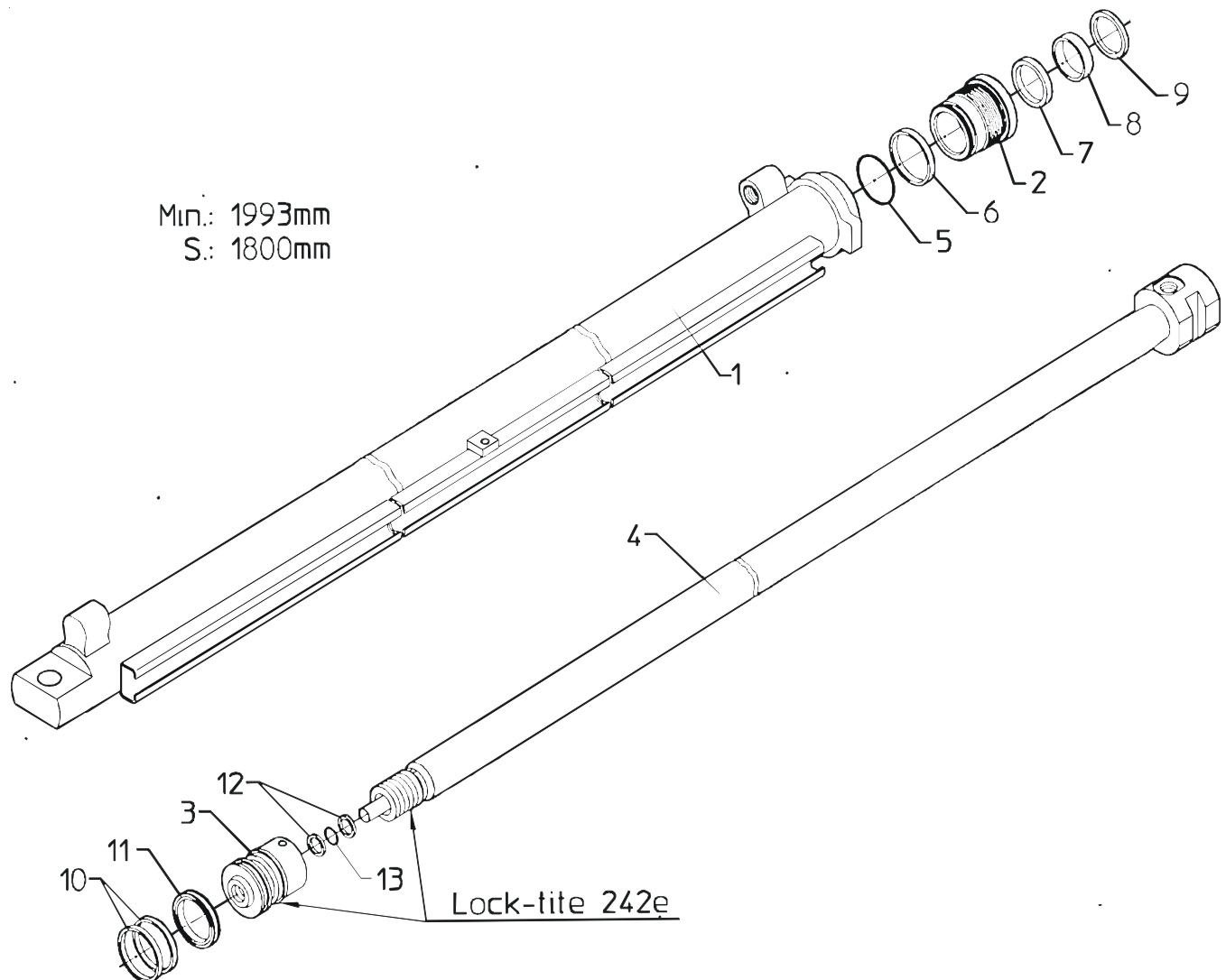


9-63: 52003120: 20020821

PARTS - 24

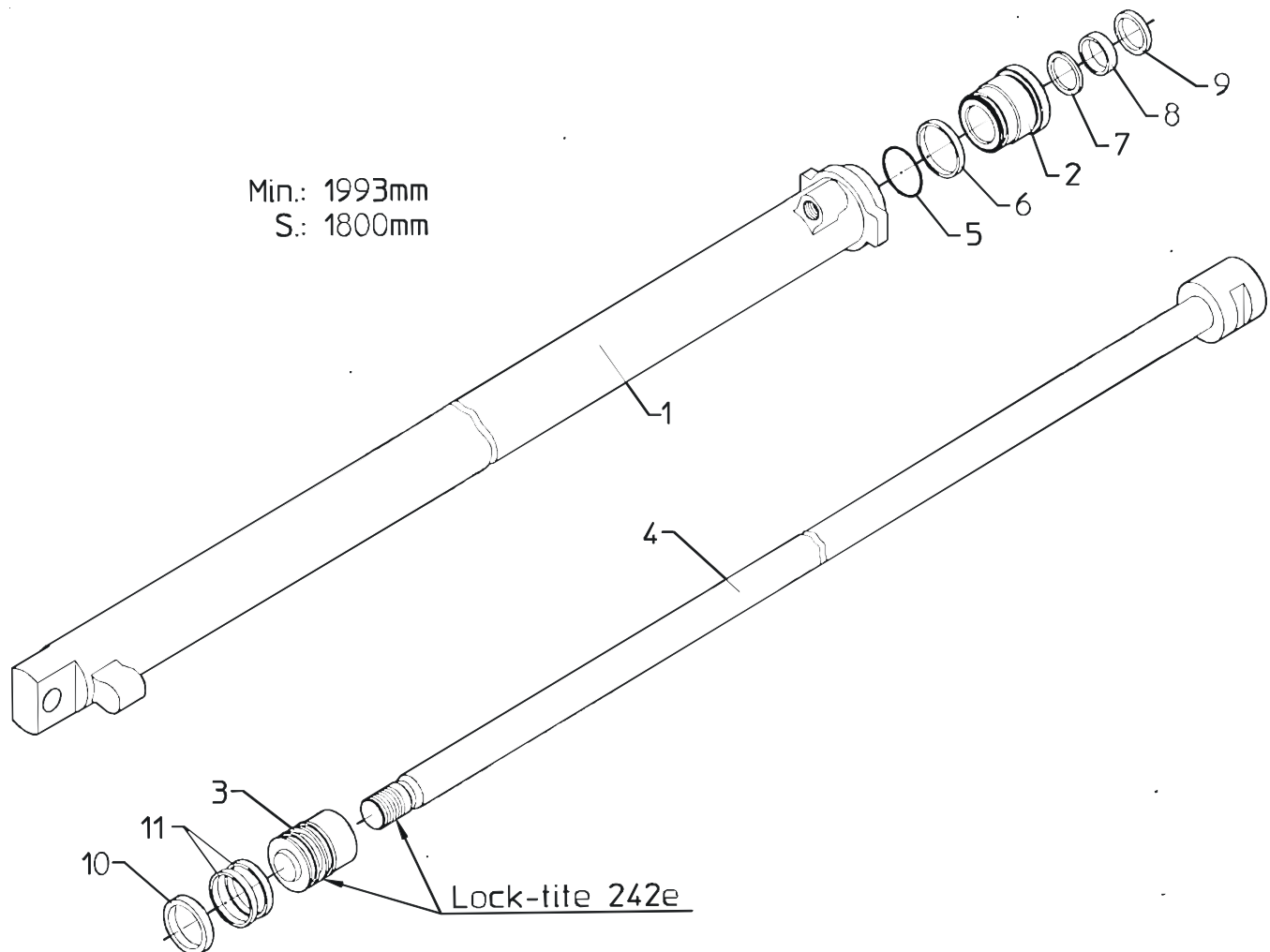
EXTENSION CYLINDER, C50-1800, K3

	6331470	EXTENSION CYLINDER C50-1800	
	6893450	SEAL KIT **	
1.	6331132	CYLINDER	1
2.	6321303	GUIDE	1
3.	6324293	PISTON	1
4.	6331093	PISTON ROD	1
5.	20181	O-RING 44.2 x 3	1
6.	20709	BACK RING 45 x 50	1
7.	20945	SEAL	1
8.	20934	SEAL	1
9.	20926	SCRAPER	1
10.	20928	GUIDE RING 50 x 45 x 5.6	2
11.	20927	SEAL 50 x 40 x 8	1
12.	20704	BACK RING 15.3 x 2.4	2
13.	20128	O-RING 15.3 x 2.4	1
**	6893450	INCLUDING POSITIONS 5, 6, 7, 8, 9, 10, 11, 12, 13	



EXTENSION CYLINDER, C50-1800, K4

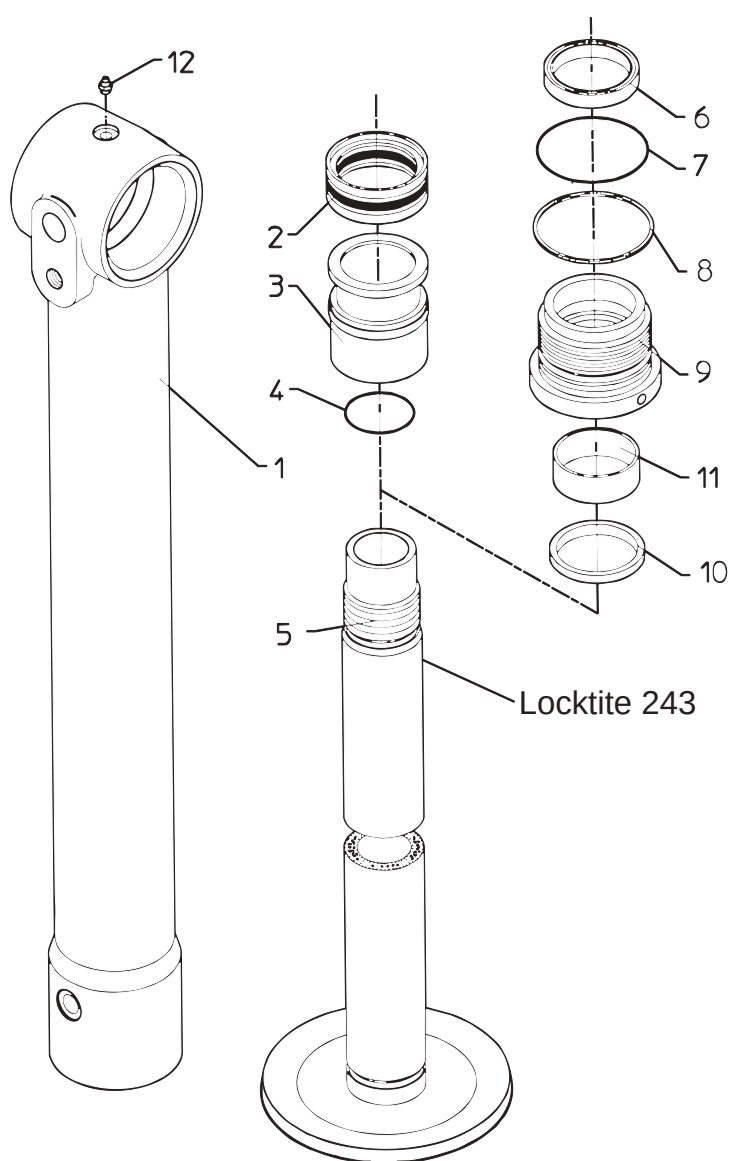
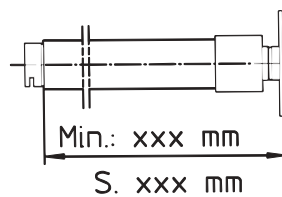
	6331480	EXTENSION CYLINDER C50-1800	
	6893460	SEAL KIT **	
1.	6331402	CYLINDER	1
2.	6321413	GUIDE	1
3.	6324303	PISTON	1
4.	6331144	PISTON ROD	1
5.	20181	O-RING 44.2 x 3	1
6.	20709	BACK RING 45 x 50	1
7.	20944	SEAL	1
8.	20933	SEAL	1
9.	20925	SCRAPER	1
10.	20927	SEAL 50 x 40 x 8	1
11.	20928	GUIDE RING 50 x 45 x 5.6	1
12.	31318	LUBRICATOR 1/8" RG LIGE	1
**	6893460	INCLUDING POSITIONS	
		5, 6, 7, 8, 9, 10, 11	



STABILIZER CYLINDER, C80-575, TYPE V

	6321640	STAB CYLINDER C80-575	1
	6893070	SEAL KIT **	
1.	6323232	CYLINDER	1
2.	20785	SEAL 80 x 66 x 22.5	1
3.	6241763	PISTON	1
4.	20183	O-RING 54.5 x 3	1
5.	6323263	PISTON ROD	1
6.	20687	SEAL 63 x 73 x 13	1
7.	20190	O-RING 84.5 x 3	1
8.	20710	BACK RING 84.5 x 3.0	1
9.	6171153	GUIDE	1
10.	20518	SCRAPER 63 x 75 x 7/10	1
11.	21911	BEARING 68/63 x 25	1
12.	31318	LUBRICATOR 1/8" RG LIGE	1
**	6893070	INCLUDING POSITIONS 2, 4, 6, 7, 8, 10, 11	

Type	Min.:	S.:
C80-575	883 mm	575 mm

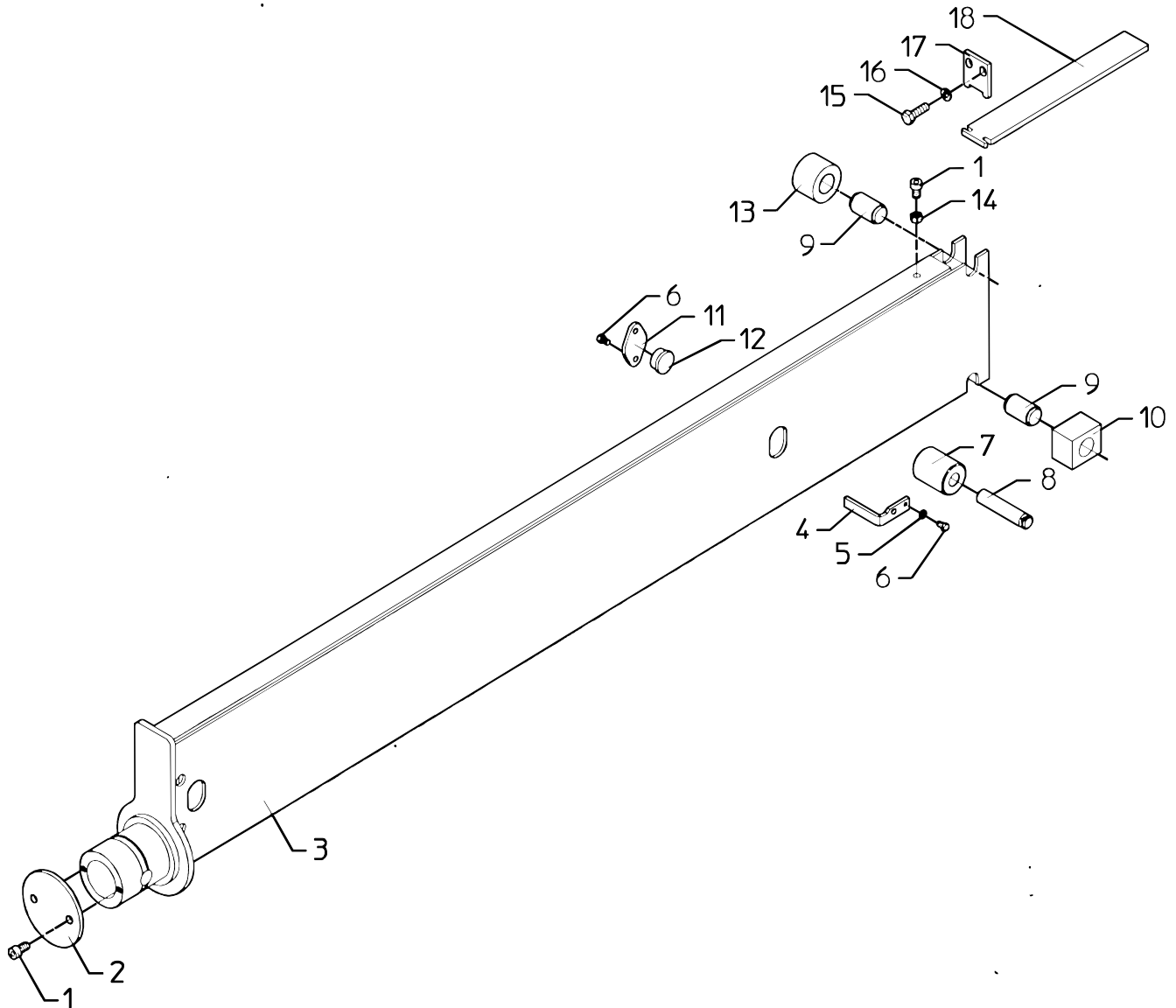


9-63: 52004010: 20010522

PARTS - 27

STABILIZER BEAM, TYPE S

1.	31541	SCREW, STAINLESS	
		MC 10 x 20	6
2.	6322574	END PLATE	2
3.	6331492	SINGLE EXTENSION	2
4.	6323884	FITTINGS	2
5.	31154	SPRING WASHER 6mm	4
6.	30111	SET SCREW M 6 x 12	8
7.	63786	GUIDE ROLLER	2
8.	6322074	PIN	2
9.	6323204	PIN	4
10.	63665	MANIFOLD	2
11.	6322484	PLATE	2
12.	63785	GUIDE	2
13.	63664	GUIDE ROLLER	2
14.	30888	LOCK NUT M10	2
15.	31519	SET SCREW M 10 x 35	4
16.	31177	WASHER 21 x 10.5 x 2	4
17.	6322584	STOP	2
18.	6322594	SPACER	2

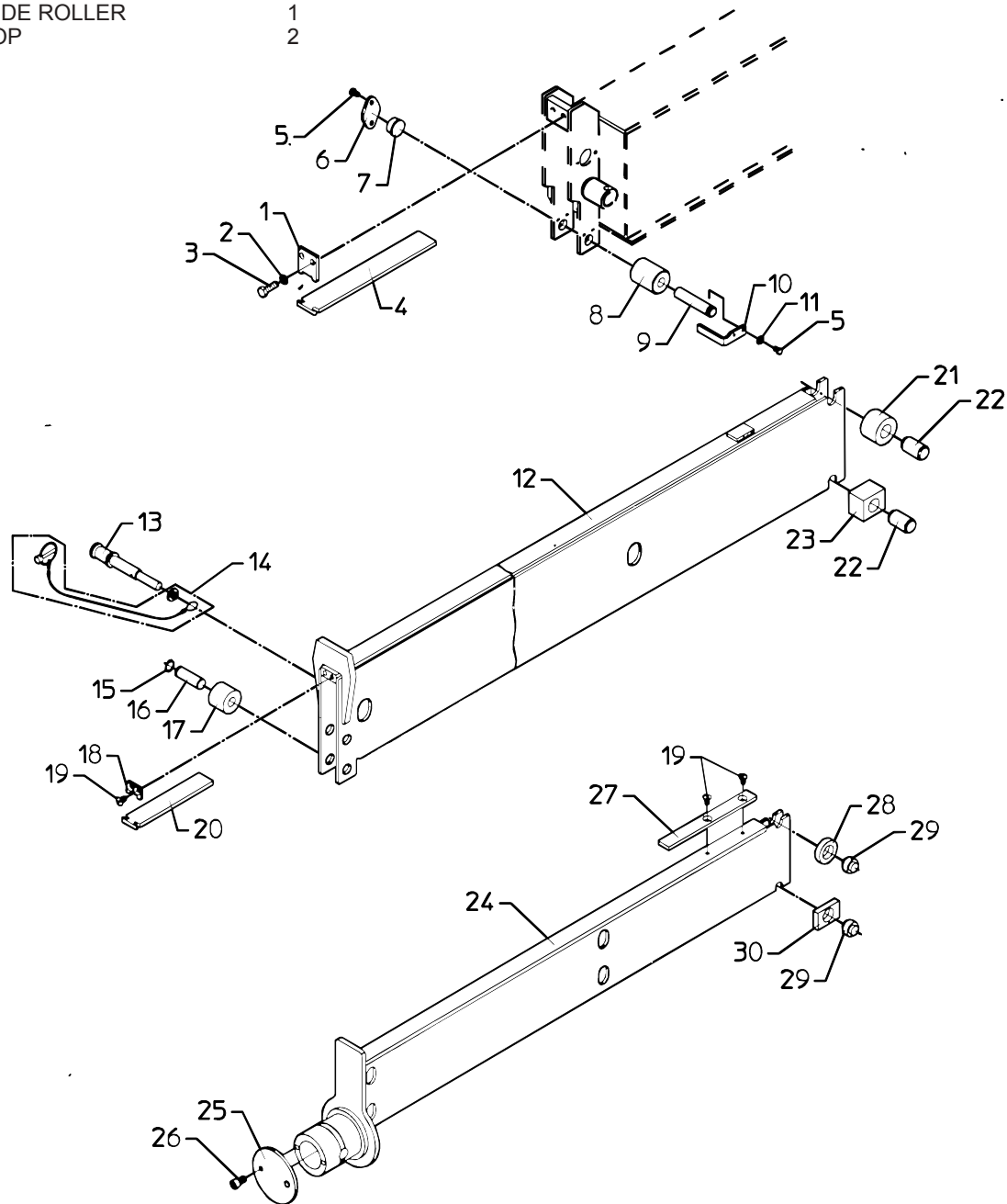


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PARTS - 28

STABILIZER BEAM, TYPE D

6324680	STABILIZER BEAM, D		19. 30543	COUNTERSUNK	
1. 6322584	STOP	2		SCREW MK 8 x 16	8
2. 31156	SPRING WASHER 10 mm	4	20. 6324884	STOP	2
3. 31519	SET SCREW M 10 x 35	4	21. 63664	GUIDE ROLLER	2
4. 6322594	SPACER	2	22. 6323204	PIN	4
5. 30111	SET SCREW M6 x 12	8	23. 63665	MANIFOLD	2
6. 6322484	PLATE	2	24. 6324552	STABILIZER	
7. 63785	GUIDE	2		BEAM, DR 185mm	2
8. 63786	GUIDE ROLLER	2	25. 6322574	END PLATE	2
9. 6322074	PIN	2	26. 31541	SCREW,	
10. 6323884	FITTINGS	2		STAINLESS MC 10 x 20	4
11. 31154	SPRING WASHER 6mm	4	27. 6324704	PLATE	2
12. 6324482	STABILIZER		28. 6324894	GUIDE ROLLER	2
	BEAM, DR 240mm	2	29. 6324904	PIN	4
13. 6332474	LOCKING PIN	2	30. 6324914	BLOCK	2
14. 6324190	WIRE ROPE	2			
15. 33109	SNAP RING 20 U	2			
16. 6324874	PIN	2			
17. 63733	GUIDE ROLLER	1			
18. 6324694	STOP	2			

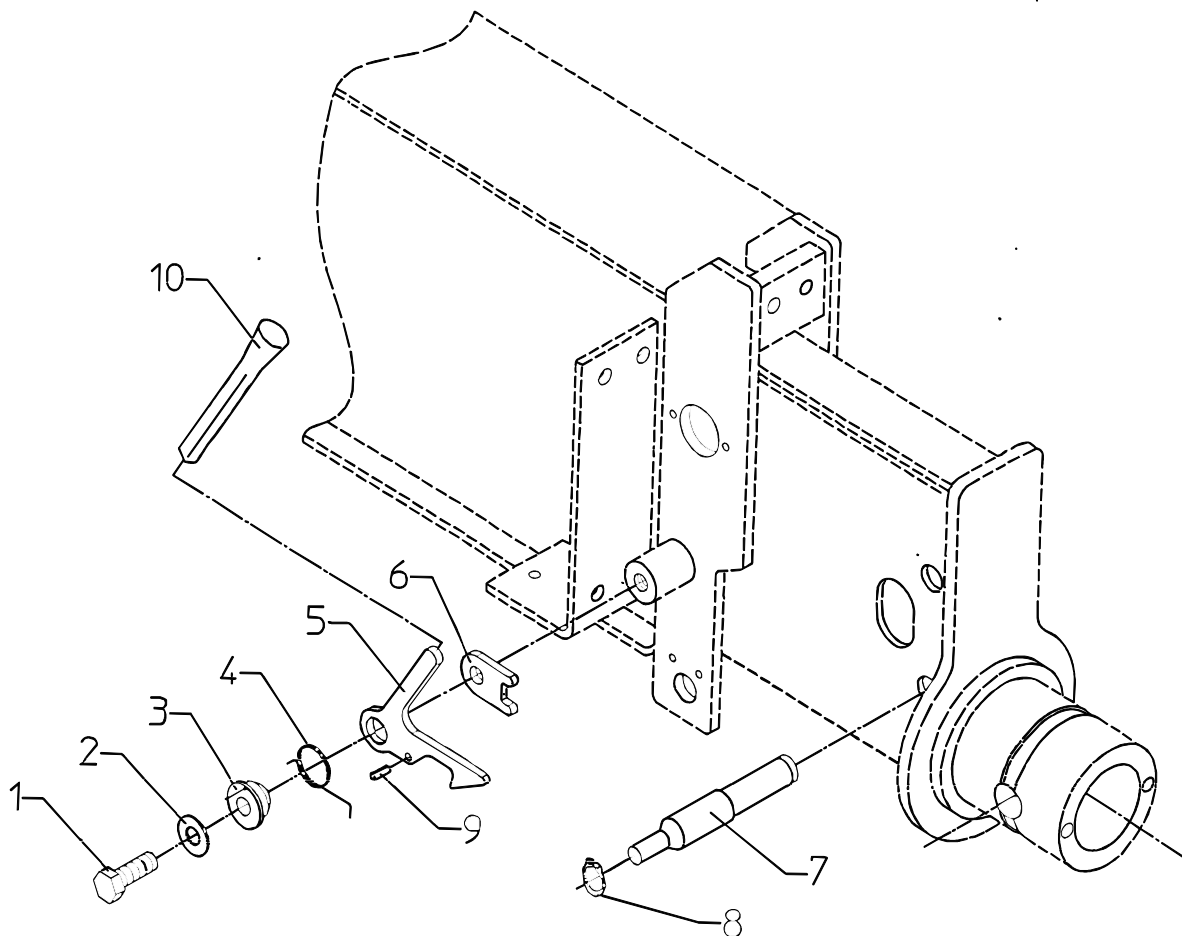


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PARTS - 29

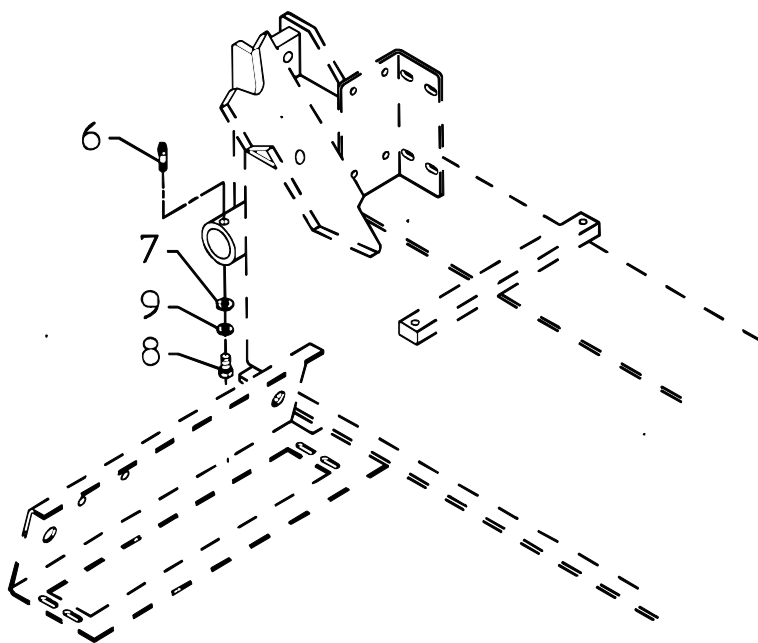
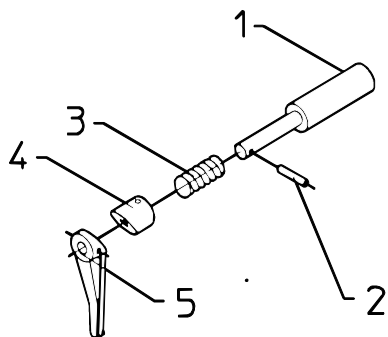
STABILIZER LOCK

1.	30178	SET SCREW M12 x 35	2
2.	31194	WASHER 12mm	2
3.	6323864	SPRING GUIDE	2
4.	33473	SPRING	2
5.	6323294	HOOK	2
6.	6323914	PLATE	2
7.	6323874	LOCKING PIN	2
8.	33111	SNAP RING 19U	2
9.	31205	RETAINING PIN $\varnothing 5 \times 15$	2
10.	48406	KNOB	2



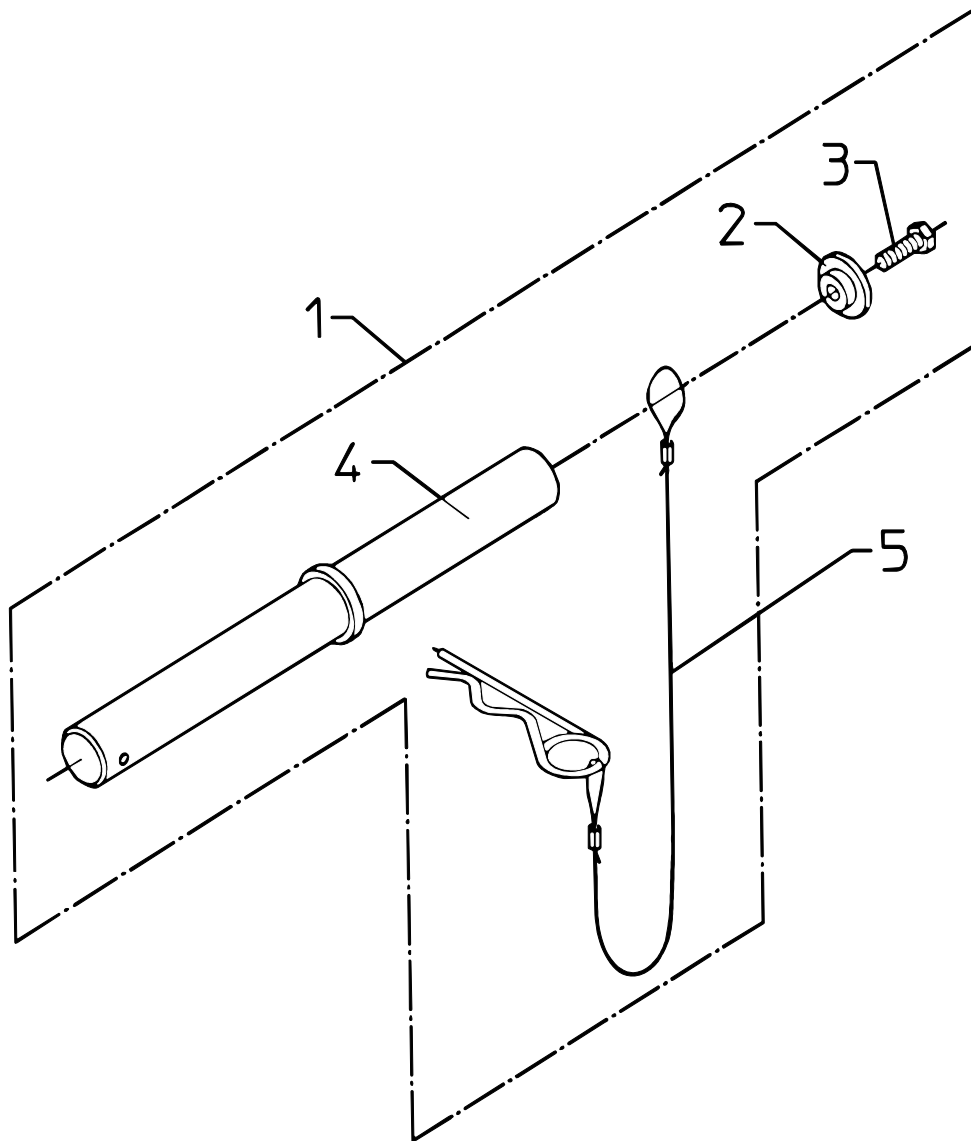
STABILIZER LOCK

	6323990	STABILIZER LOCK	1
1.	6244844	LOCK PIN	1
2.	31210	RETAINING PIN $\varnothing 6 \times 36$	1
3.	33305	SPRING	1
4.	6233504	HOUSING	1
5.	6233524	LEVER	1
6.	31328	LUBRICATOR M6X1-0	1
7.	31136	WASHER 8mm	1
8.	30131	SET SCREW M8 x 16	1
9.	31155	SPRING WASHER 8mm	1



**LOCK BOLT FOR
STABILIZER LEG**

1.	6324850	LOCK BOLT	1
2.	6323904	WIRE BRACKET	
3.	30113	SET SCREW M6 x 20	
4.	6323924	PIN	
5.	6324190	WIRE ROPE	1



VALVE GROUP RS210

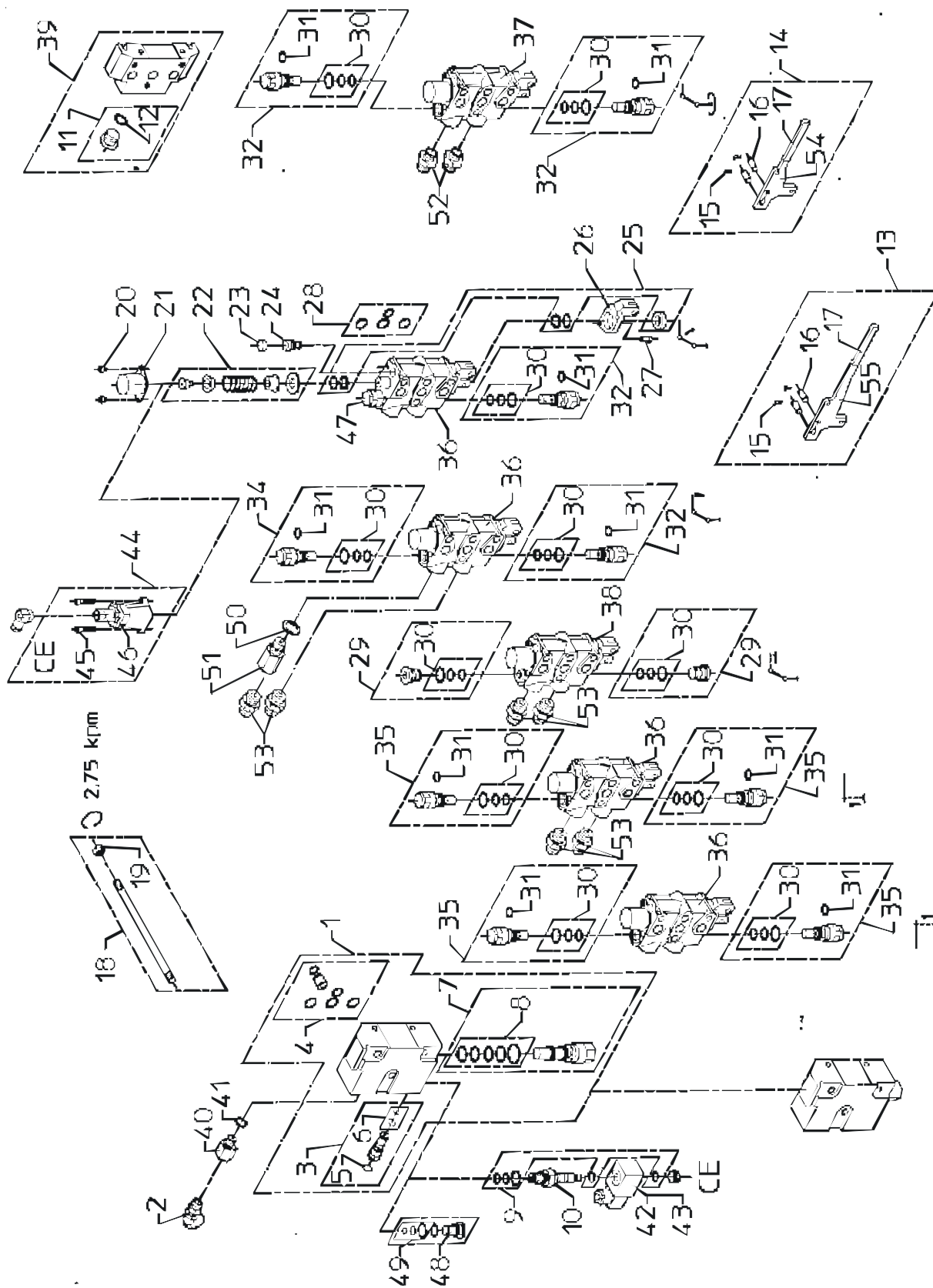
	6649580	VALVE BLOCK - 6 SECTIONS
	6649590	VALVE BLOCK - 6 SECTIONS
1.	59529	INLET SECTION
2.	59840	QUICK-RELEASE COUPLING M
		1
3.	59242	RELIEF VALVE
4.	61782	SEAL KIT
5.	61786	WASHER
6.	59236	SEAL KIT
7.	61783	FLOW-CONTROL VALVE
8.	61774	SEAL KIT
9.	61779	SEAL KIT
10.	59642	MAGNETIC CARTRIDGE
11.	61366	PLUG 1/2" BSP
12.	20129	O-RING 17.3 x 2.4
13.	6882770	CONTROL LEVER, LONG
14.	6882760	CONTROL LEVER, SHORT
15.	61320	LOCK FOR PIN
16.	61364	PIN
17.	48406	KNOB
18.	59585	KIT OF STAY BOLTS 6 SEC.
19.	30888	LOCK NUT M10
20.	31596	SCREW MC 5 x 6
21.	61353	COVER
22.	61482	SPRING KIT
23.	61688	PLUG
24.	61480	CHECK VALVE
25.	61365	SEAL KIT
26.	61362	BRACKET FOR LEVER
27.	30420	SCREW MC 5 x 14
28.	61490	SEAL KIT
29.	61479	PLUG
30.	61493	SEAL KIT
31.	20121	O-RING 13.3 x 2.4
32.	61476	RELIEF AND ANTI-CAV. V. 150 BAR

CONTINUED ON NEXT PAGE

34.	61771	PORT-RELIEF VALVE 275 BAR	
35.	61467	PORT-RELIEF VALVE 150 BAR	
36.	59141	CONTROL VALVE 1K	
37.	59142	CONTROL VALVE 1M	
38.	59143	CONTROL VALVE 4K	
39.	61426	OUTLET SECTION	
40.	25859	SOCKET NV 18	1
41.	21102	SEAL WASHER ø14 x 18.7 x 1.5	
42.	61777	SOLENOID 12V	
43.	61778	SOLENOID 26V	
44.	59594	SPOOL SENSOR KIT	
45.	30425	SCREW MC 5 x 30	
46.	30433	SCREW MC 5 x 16	
47.	58827	PORT-RELIEF VALVE 325 BAR	
48.	61780	PLUG	
49.	61781	SEAL KIT	
50.	21106	SEAL WASHER ø21.5 x 28.7 x 2.5	
51.	60295	FLOW-CONTROL VALVE FKA 162 - 50 1.	1
52.	25108	CONNECTION P-GEV12 LR 1/2 - WD	2
53.	25832	CONNECTION, JIC F40XS12 - 1/2	6
54.	6882163	CONTROL LEVER, SHORT	
55.	6882053	CONTROL LEVER, LONG	

VALVE GROUP RS210

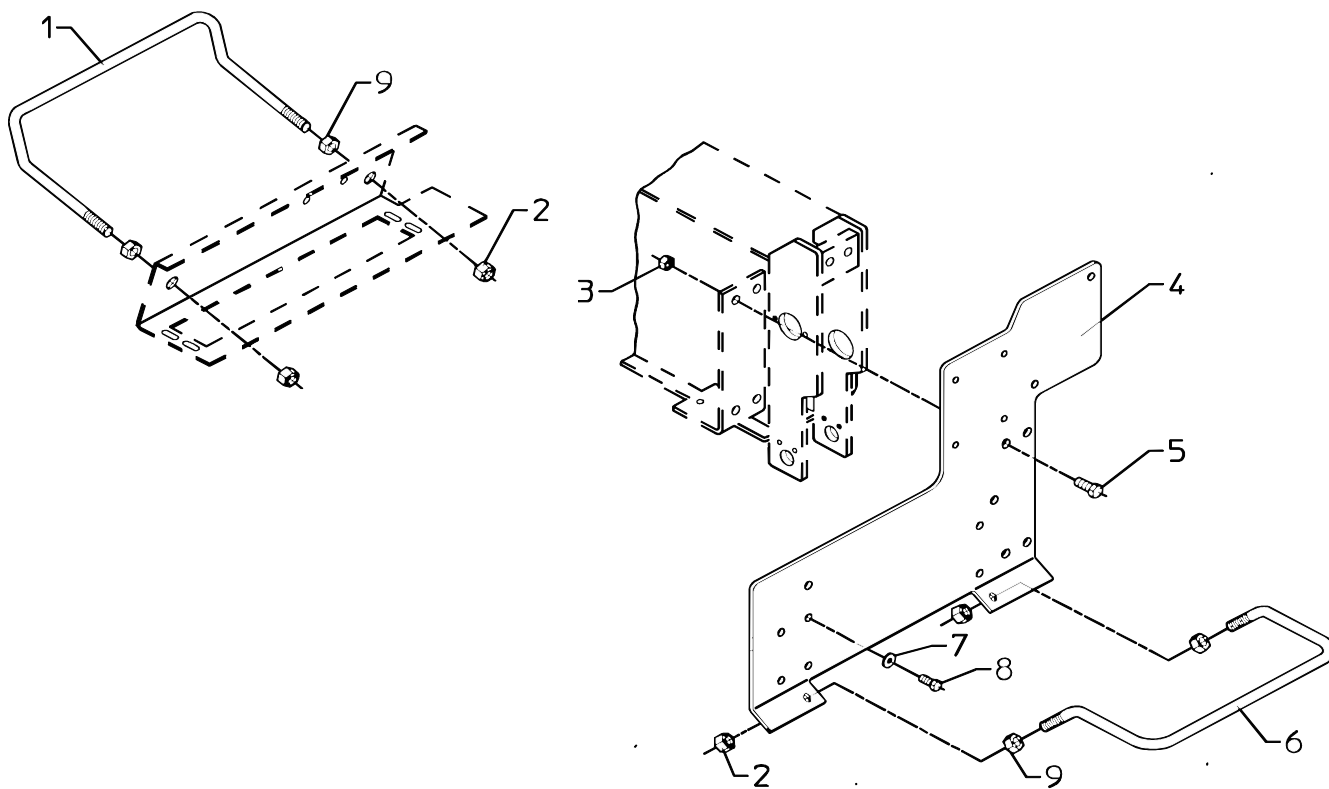
(PARTS LIST ON PREVIOUS PAGE)



VALVE BRACKET

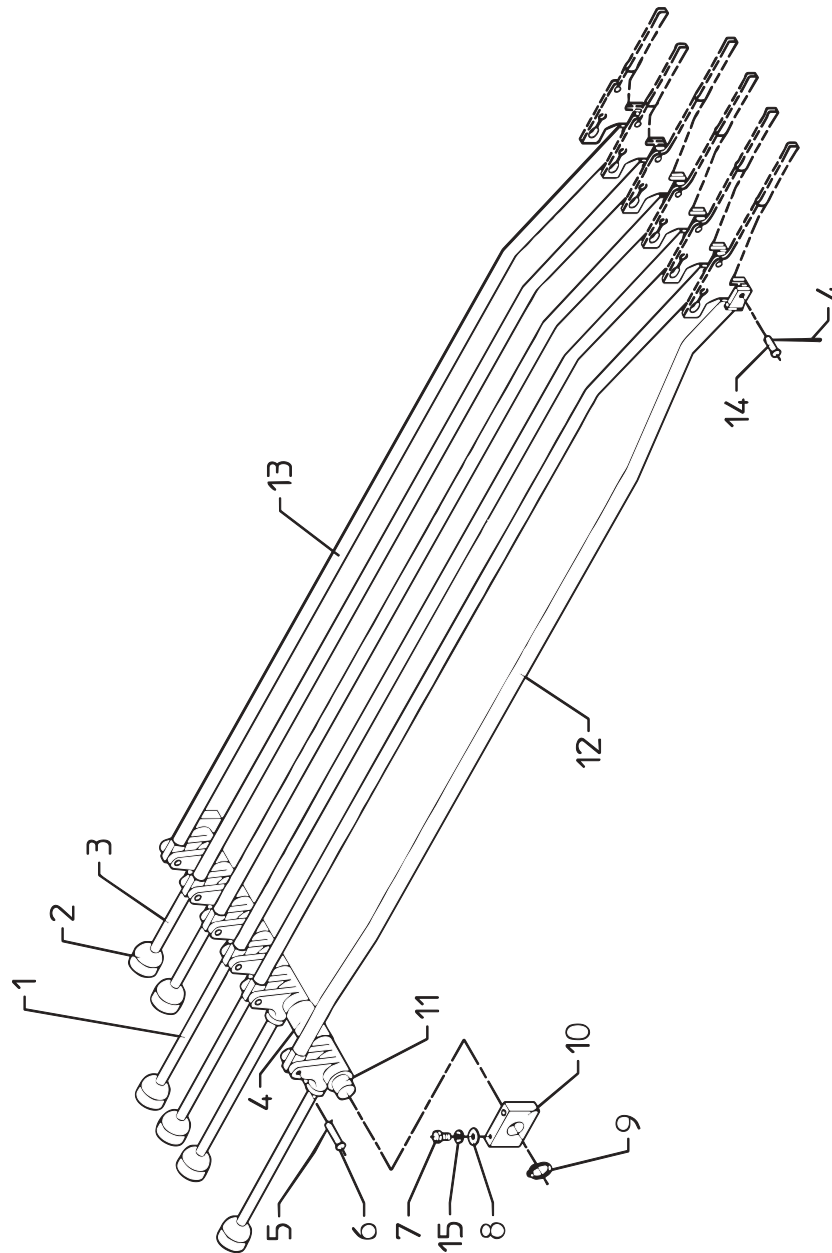
	6323820	VALVE BRACKET	
1.	6884293	SAFETY GUARD	1
2.	30890	LOCK NUT M12	4
3.	30888	LOCK NUT M10	4
4.	6243092	VALVE BRACKET	1
5.	30155	SET SCREW M10 x 25	4
6.	52718452	WELDMENT, VALVE HANDLE	1
7.	31136	WASHER 8mm	4
8.	30132	SET SCREW M8 x 20	4
9.	30860	NUT M12	4

NOTE: #6 CLAMP (6216704) CHANGED TO WELDMENT (52718452) ON 1-29-04.



DUAL CONTROL, RS210

	6331740	DUAL CONTROL	
1.	6660913	CONTROL LEVER, LONG	4
2.	64256	BALL WITH BUSHING NO 753	6
3.	6660933	CONTROL LEVER, SHORT	2
4.	64122	BUSHING	1
5.	31601	SPLIT PIN $\varnothing 1.5 \times 20$	12
6.	31274	COTTER BOLT $\varnothing 6 \times 30$	6
7.	30111	SET SCREW M6 x 12	4
8.	31134	WASHER 6mm	4
9.	33107	SNAP RING 19U	2
10.	6243124	MANIFOLD	2
11.	6660974	PIN FOR 7 LEVERS	1
12.	6331684	CONNECTING ROD	1
13.	6331704	CONNECTING ROD	5
14.	31271	COTTER BOLT $\varnothing 6 \times 20$	6
15.	31154	SPRING WASHER 6mm	4



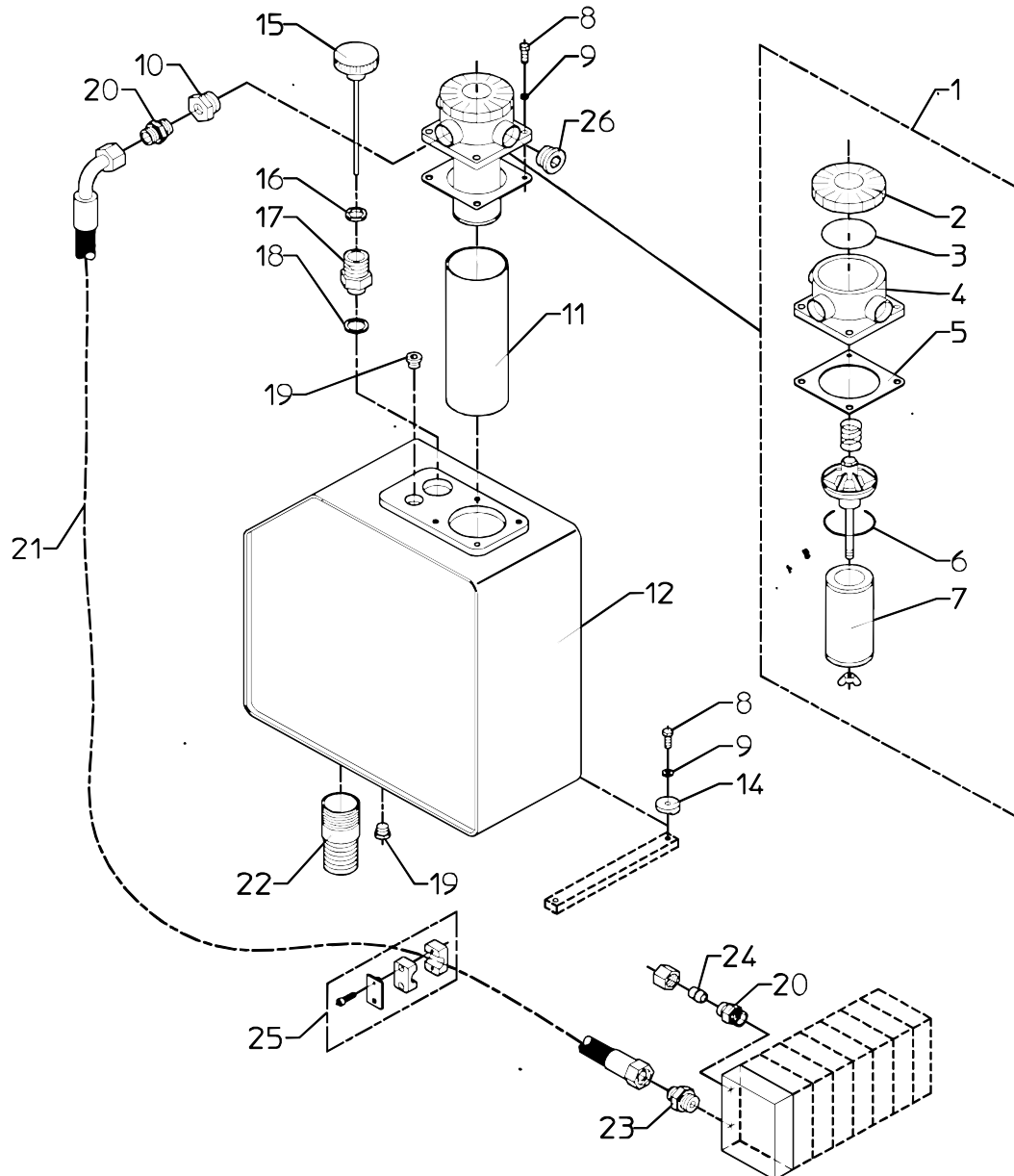
9-63: 52005140: 20010522

PARTS - 36

HYDRAULIC SYSTEM, PUMP AND TAN, RS210

	6323940	TANK, CPL.	
	6329330	TANK CONNECTION, STD.	
1.	60251	RETURN FILTER 1"	1
2.	60264	COVER	
3.	60293	O-RING 82.14 x 2.53	
4.	60267	FILTER CARTRIDGE	
5.	60261	SEAL	
6.	20188	O-RING 74.5 x 3	
7.	60258	FILTER CARTRIDGE	
8.	30134	SET SCREW M8 x 25	8
9.	31155	SPRING WASHER 8mm	8
10.	25227	REDUCING CONNECTION	
		RED-R 1-WD/R1/2	1
11.	60253	PIPE VS-R1-WD	1
12.	58703	TANK	1
14.	6323854	LOCK WASHER	4
15.	59301	FILLER PLUG	1
16.	20817	RUBBER SEAL $\varnothing 22 \times 30 \times 4$	1
17.	6202624	OIL FILLER NECK	1

18.	21108	SEAL WASHER	
		$\varnothing 27 \times 34, 93 \times 2, 34$	1
19.	25277	PLUG VS-R-3/8 WD	2
20.	25833	CONNECTION, JIC	
		F40XS12/16 - 1/2	2
21.	62994	HOSE, JIC 1/2" x 1700 90/L	1
22.	60991	NIPPLE 2"	1
23.	25866	CONNECTION 14/16-3/4	1
24.	25841	PLUG, JIC FNTXS14/16	1
25.	31429	CLAMP 22	1
26.	26321	PLUG VS-R1-WD	1

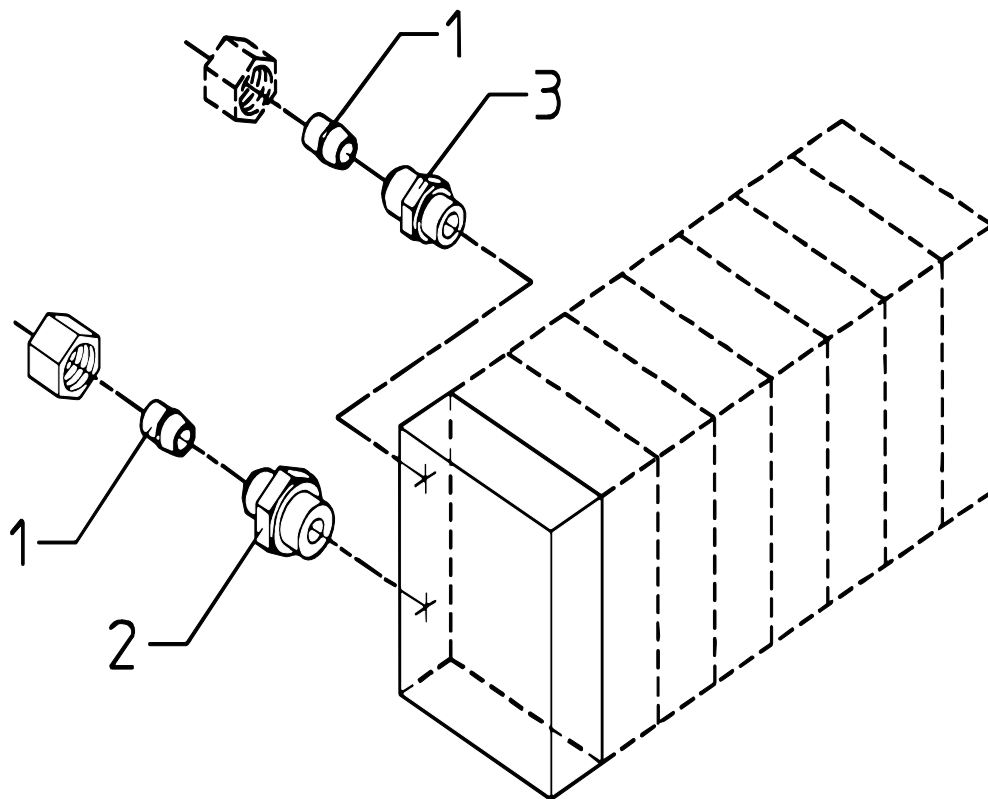


9-63: 52005150: 20010522

PARTS - 37

HYDRAULIC SYSTEM, RETURN, RS210

1.	25841	PLUG, JIC FNTXS14/16	2
2.	25866	CONNECTION 14/16-3/4	1
3.	25833	CONNECTION, JIC F40XS14/16-1/2	1

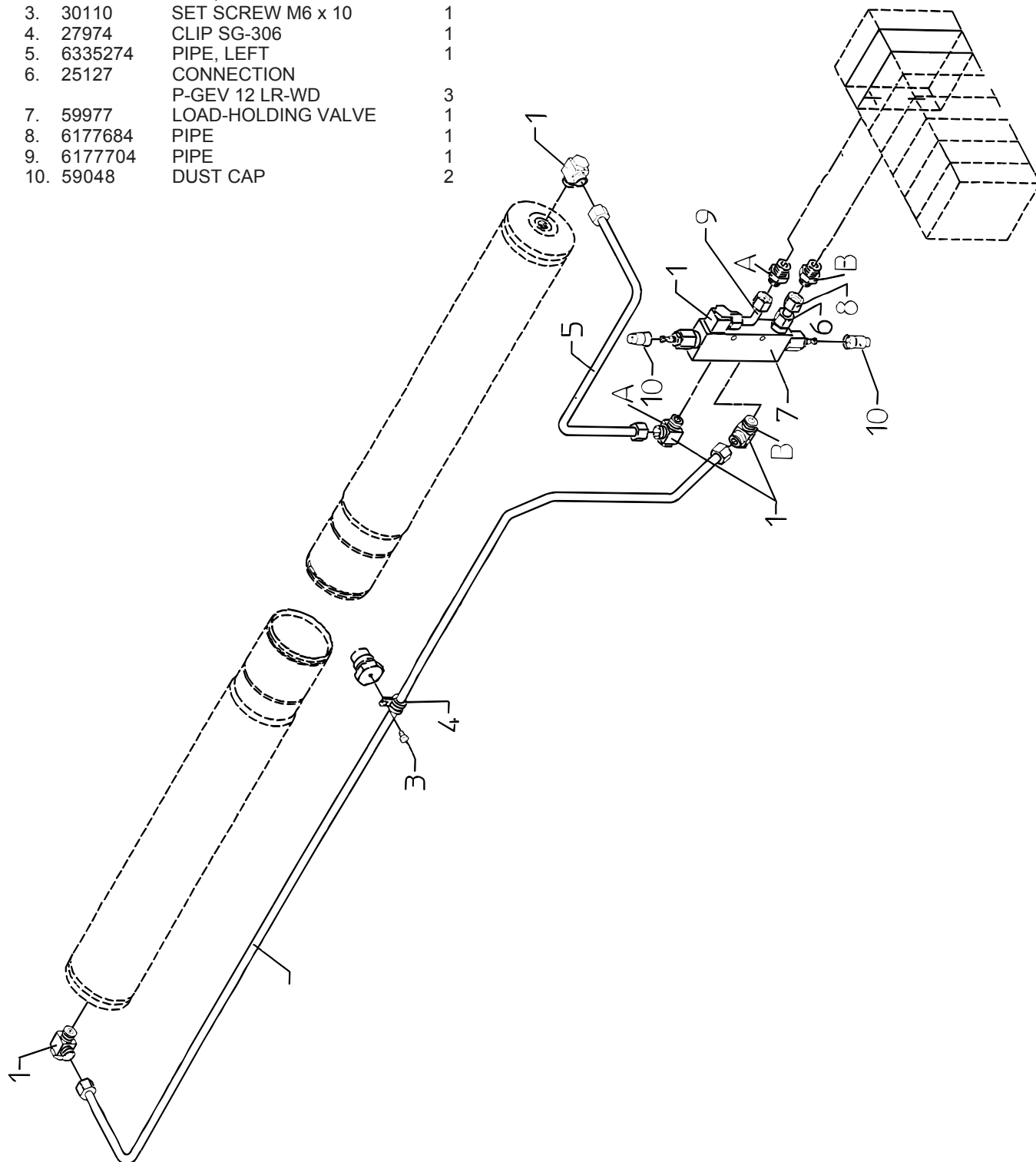


9-63: 52005210: 20020821

PARTS - 38

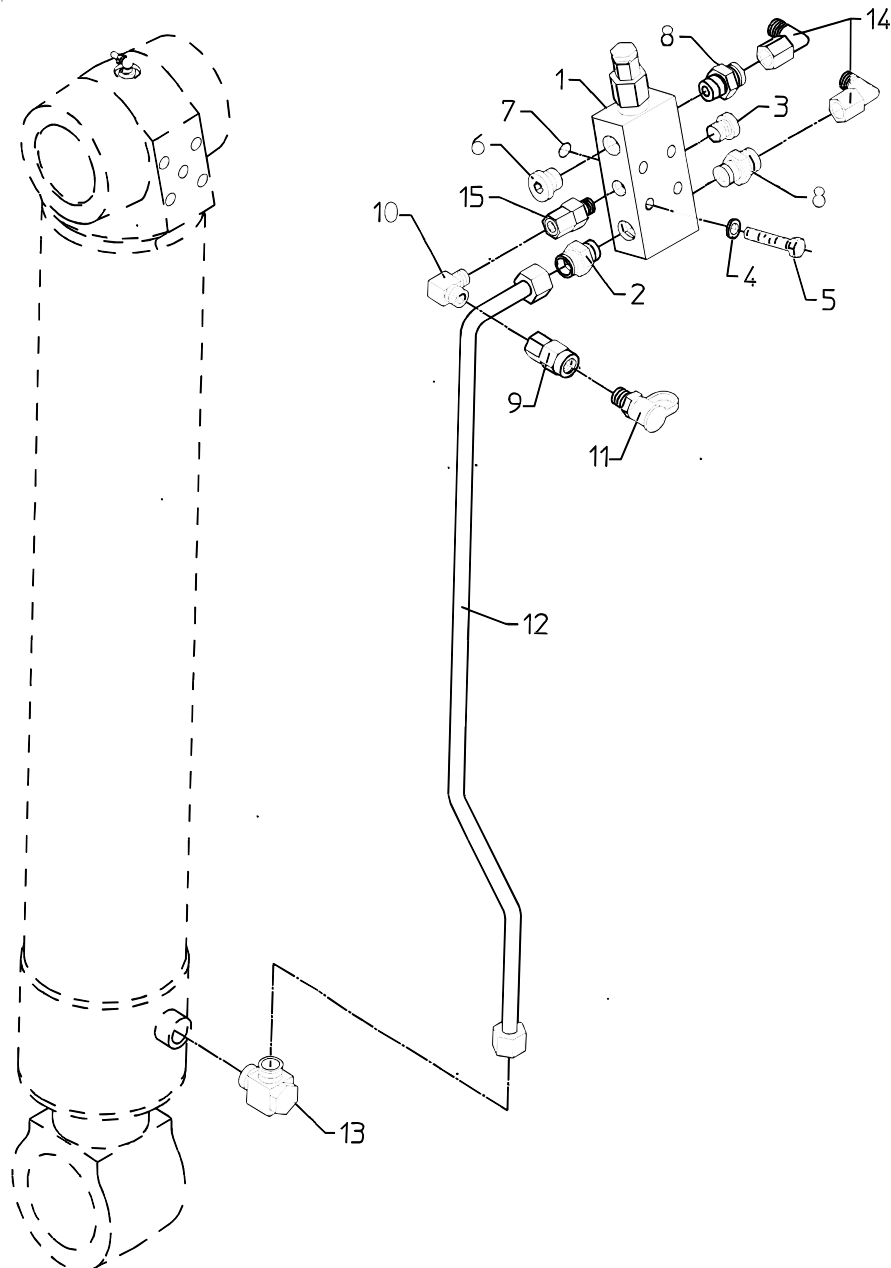
HYDRAULIC SYSTEM, SLEWING CYL., LHV, RS210

6335200	SLEWING CIRCUIT + LHV	
1. 25130	BANJO CONNECTION	3
	P-RSWV 12 LR	1
2. 6335264	PIPE, RIGHT	1
3. 30110	SET SCREW M6 x 10	1
4. 27974	CLIP SG-306	1
5. 6335274	PIPE, LEFT	1
6. 25127	CONNECTION	1
	P-GEV 12 LR-WD	3
7. 59977	LOAD-HOLDING VALVE	1
8. 6177684	PIPE	1
9. 6177704	PIPE	1
10. 59048	DUST CAP	2



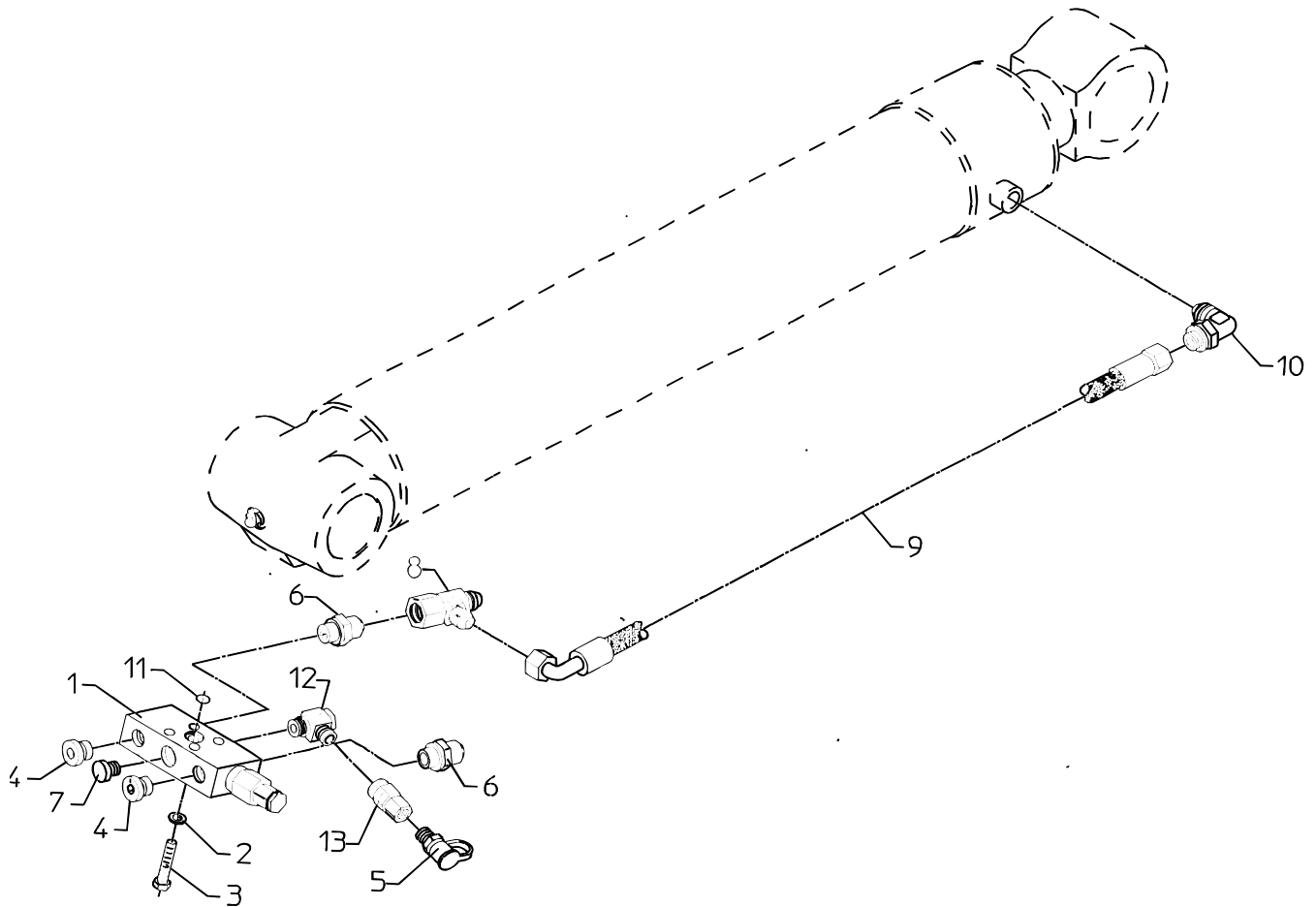
HYDRAULIC SYSTEM, BOOM CYLINDER WITH LHV

1.	59955	LOAD-HOLDING VALVE	1
2.	25127	CONNECTION	1
3.	25197	PLUG	1
4.	31155	SPRING WASHER 8mm	4
5.	30138	SET SCREW M8 x 45	4
6.	25277	PLUG VS-R-3/8 WD	1
7.	20138	O-RING 10.77 x 2.62	1
8.	25831	CONNECTION JIC	2
9.	26370	F40XS12 - 3/8	2
		SEAL WASHER	
		ø14 x 18.7 x 1.5	1
10.	25247	SOCKET NV 18	1
11.	59840	QUICK-RELEASE	
		COUPLING M	1
12.	6332094	PIPE	1
13.	25130	BANJO CONNECTION	1
		P-RSWV 12 LR	1
14.	25877	ELBOW 12 MM	2
15.	26104	CONN EGESD 8 LR-WD	1



HYDRAULIC SYSTEM, JIB CYLINDER WITH LHV

1.	59955	LOAD-HOLDING VALVE	1
2.	31155	SPRING WASHER 8mm	4
3.	30138	SET SCREW M8 x 45	4
4.	25277	PLUG VS-R-3/8 WD	2
5.	59840	QUICK-RELEASE COUPLING M	1
6.	25831	CONNECTION JIC F40XS12 - 3/8	2
7.	25197	PLUG VS-R-1/4 WD	1
8.	25874	CONNECTION R6x12	1
9.	62999	HOSE 3/8" x 950 V/O	1
10.	25838	CONNECTION JIC C40XS12 - 3/8	1
11.	20138	O-RING 10.77 x 2.62	
12.	25113	BANJO CONN P-SWV 8 LR	1
13.	26370	CONNECTION EMASD 8 LR	1

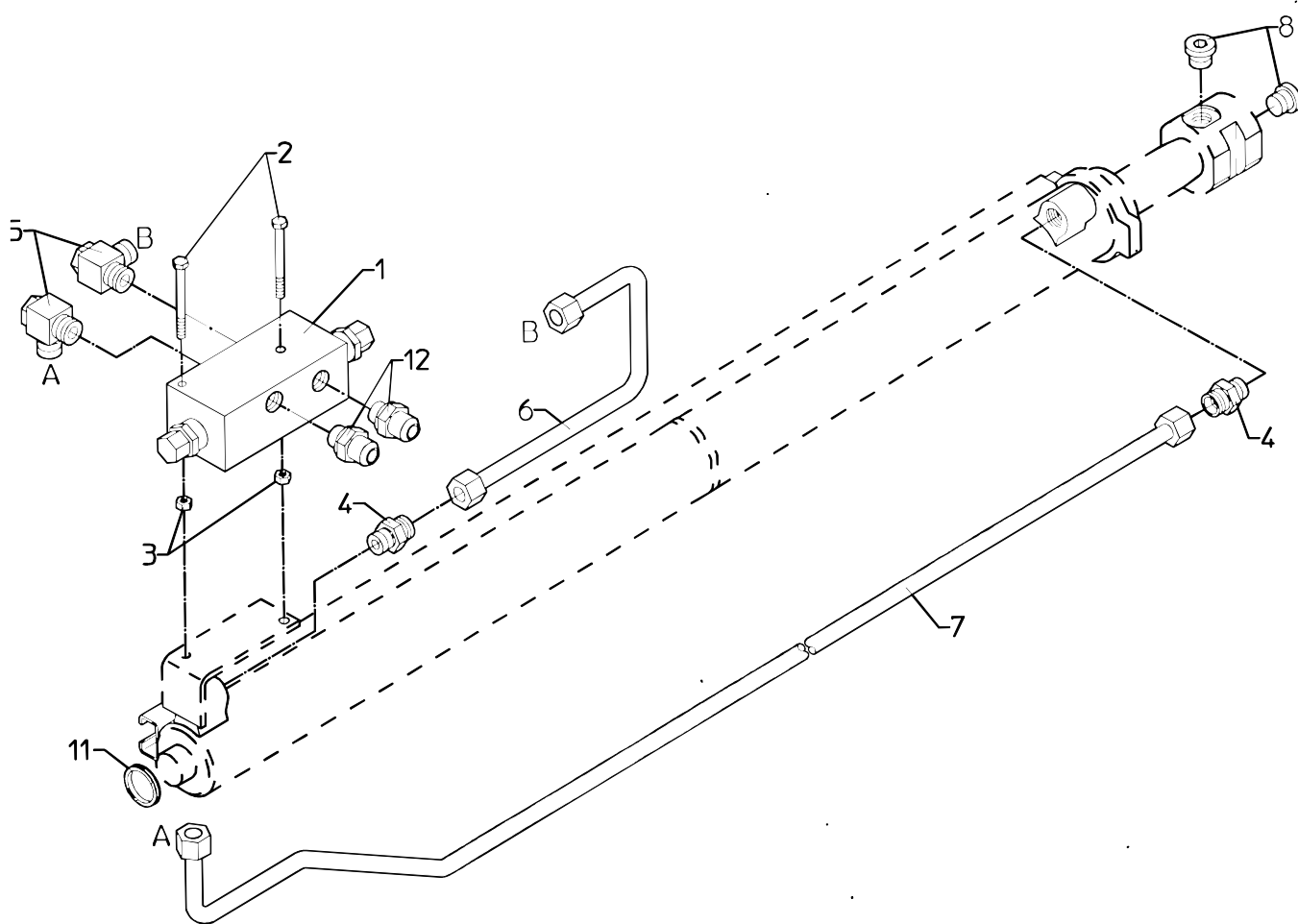


9-63: 52005350: 20020416

PARTS - 41

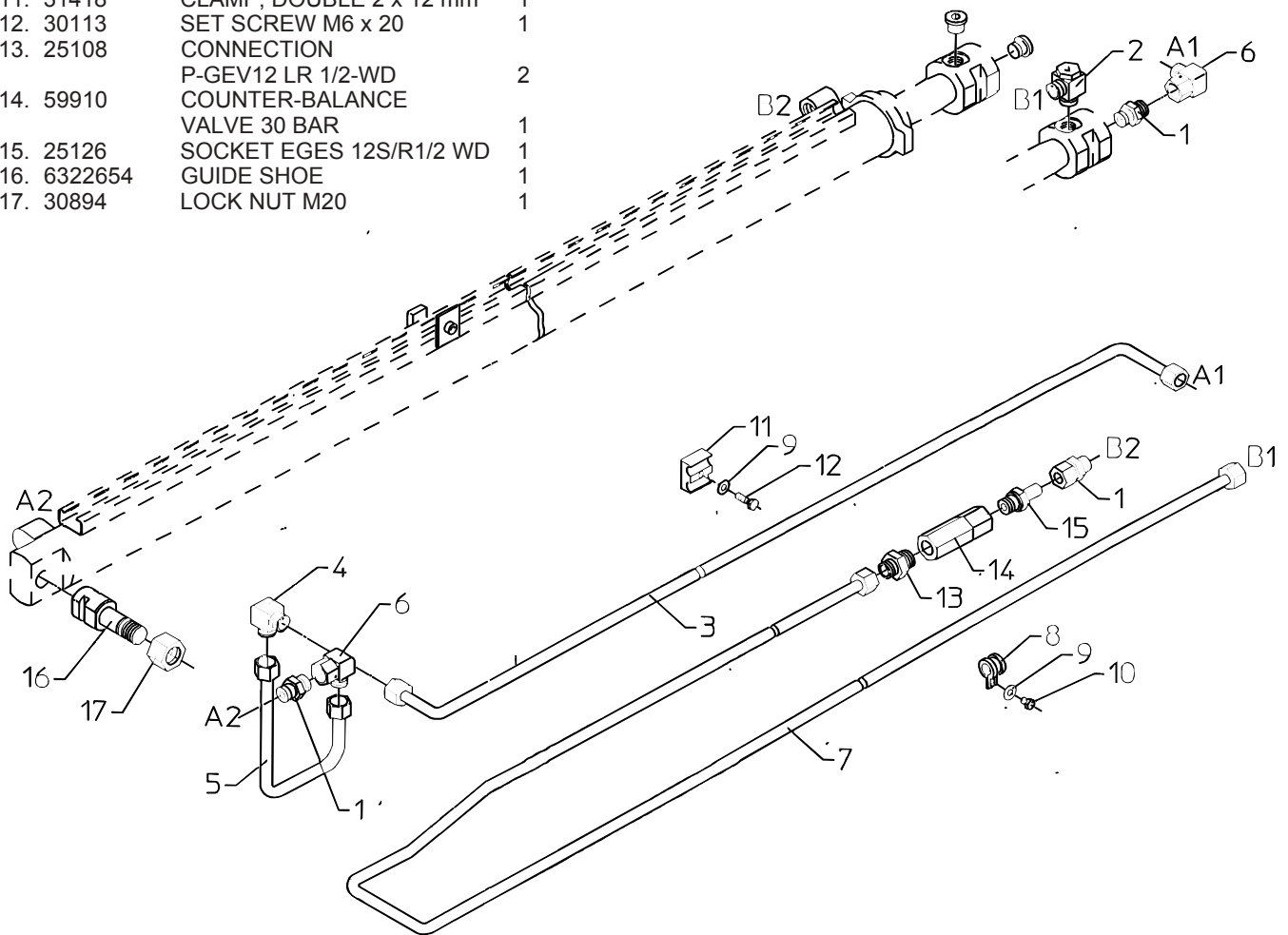
HYDRAULIC SYSTEM, EXTENSION CYLINDER, K1

	6329120	HYDRAULIC PARTS, K1	
1.	59022	LOAD-HOLDING VALVE	1
2.	30199	STEEL BOLT M6 x 65	2
3.	30854	NUT M6	2
4.	25127	CONNECTION P-GEV	
	12 LR-WD		2
5.	25130	BANJO CONNECTION	
	P-RSWV 12 LR		2
6.	6324184	PIPE	1
7.	6331964	PIPE	1
8.	25277	PLUG VS-R-3/8 WD	2
11.	21925	V-RING VA-0025	1
12.	25931	CONNECTION JIC	
	F40XS12 - 3/8		2



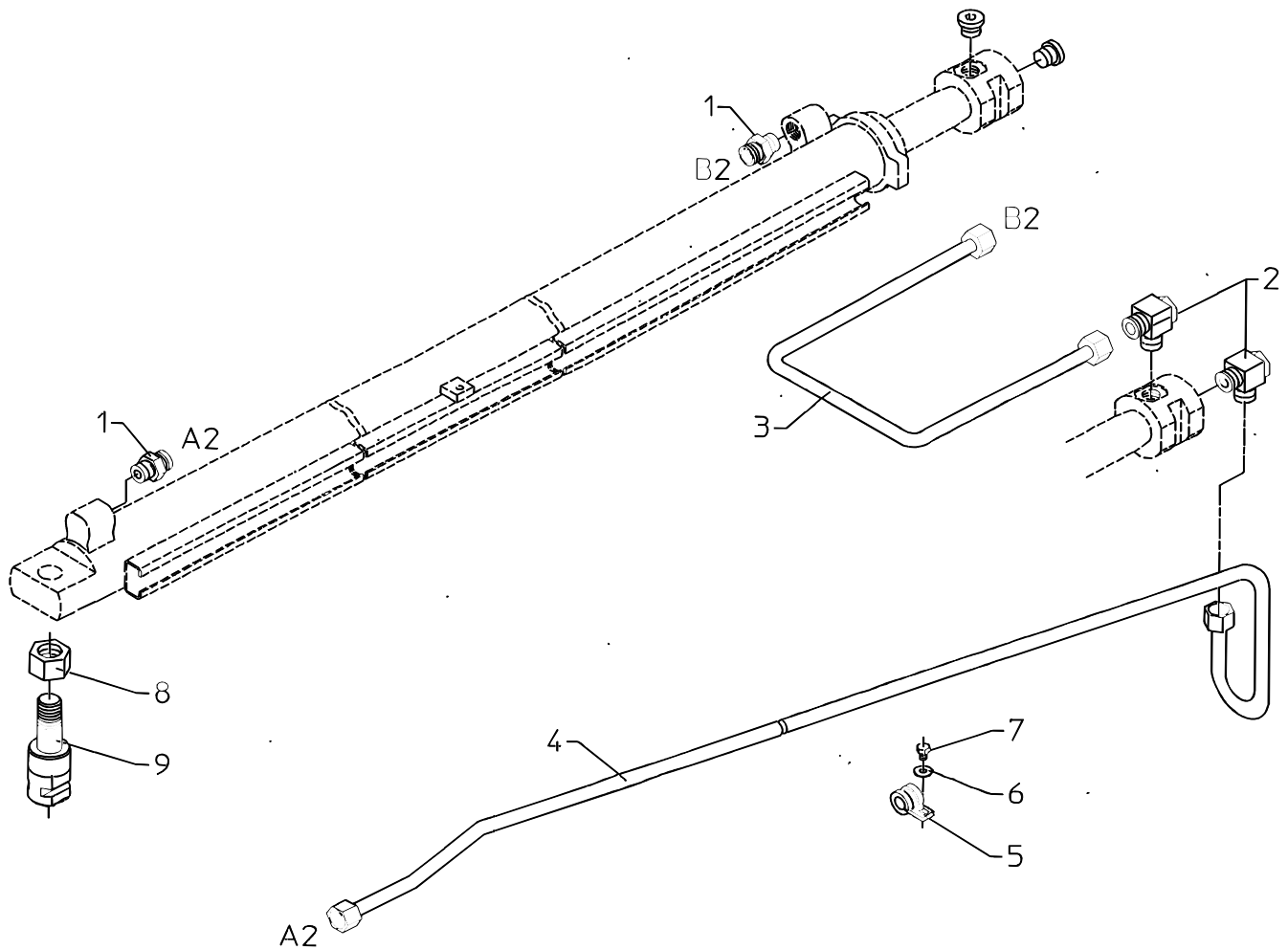
HYDRAULIC SYSTEM, EXTENSION CYLINDER, K2

	6329120	HYDRAULIC PARTS, K1	
	6329130	HYDRAULIC PARTS, K2	
1.	25127	CONNECTION	
		P-GEV 12 LR-WD	3
2.	25130	BANJO CONNECTION	
		P-RSWV 2 LR	1
3.	6332744	PIPE	1
4.	25129	CONNECTION P-WV 12 L	1
5.	6324314	PIPE	1
6.	25242	CONNECTION EWSD 12 L	2
7.	6332024	PIPE	1
8.	27974	CLIP SG-306	1
9.	31134	WASHER 6mm	2
10.	30109	SET SCREW M6 x 8	1
11.	31418	CLAMP, DOUBLE 2 x 12 mm	1
12.	30113	SET SCREW M6 x 20	1
13.	25108	CONNECTION	
		P-GEV12 LR 1/2-WD	2
14.	59910	COUNTER-BALANCE	
		VALVE 30 BAR	1
15.	25126	SOCKET EGES 12S/R1/2 WD	1
16.	6322654	GUIDE SHOE	1
17.	30894	LOCK NUT M20	1



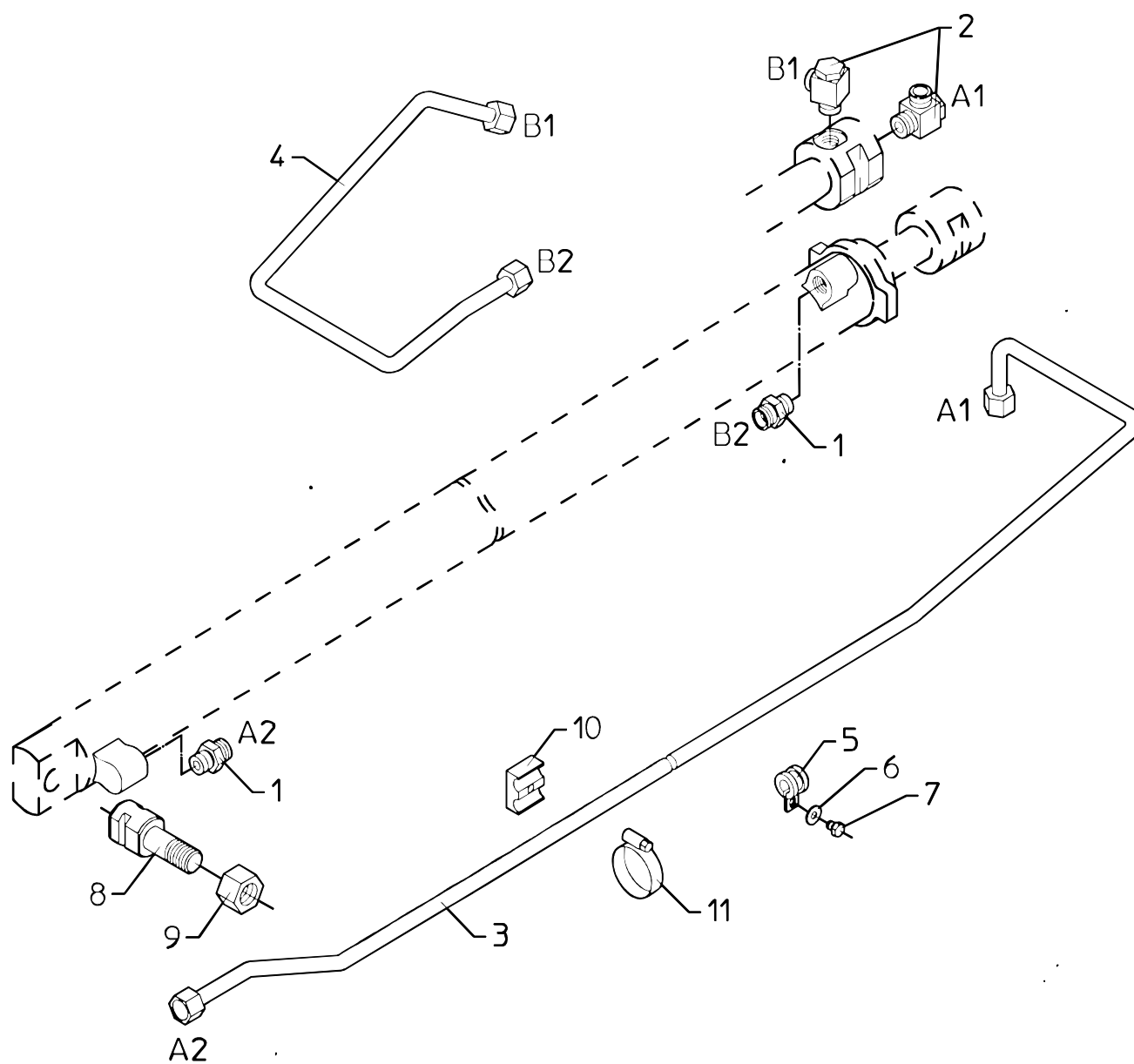
**HYDRAULIC SYSTEM, EXTENSION CYLINDER,
K3**

	6329120	HYDRAULIC PARTS, K1	
	6329130	HYDRAULIC PARTS, K2	
	6329140	HYDRAULIC PARTS, K3	
1.	25127	CONNECTION P-GEV 12 LR-WD	2
2.	25130	BANJO CONNECTION P-RSWV 12 LR	2
3.	6324374	PIPE	1
4.	6332044	PIPE	1
5.	27974	CLIP SG-306	1
6.	31134	WASHER 6mm	1
7.	30109	SET SCREW M6 x 8	1
8.	30894	LOCK NUT M20	1
9.	6322664	GUIDE SHOE	1



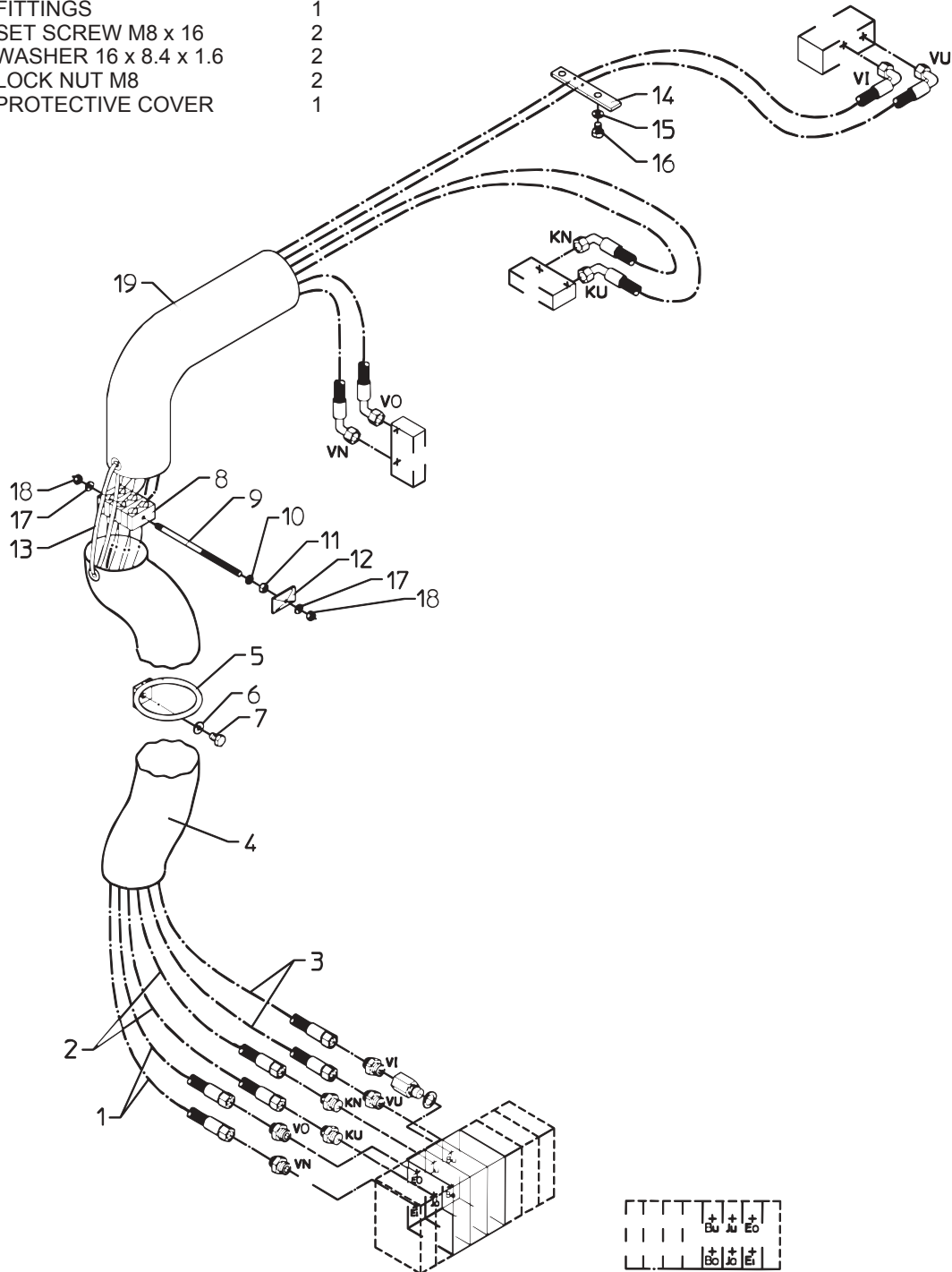
**HYDRAULIC SYSTEM, EXTENSION CYLINDER,
K4**

	6329120	HYDRAULIC PARTS, K1	
	6329130	HYDRAULIC PARTS, K2	
	6329140	HYDRAULIC PARTS, K3	
	6329150	HYDRAULIC PARTS, K4	
1.	25127	CONNECTION P-GEV 12 LR-WD	2
2.	25130	BANJO CONNECTION P-RSWV 12 LR	2
3.	6324394	PIPE	1
4.	6324404	PIPE	1
5.	27974	CLIP SG-306	1
6.	31134	WASHER 6mm	1
7.	30109	SET SCREW M6 x 8	1
8.	6322654	GUIDE SHOE	1
9.	30894	LOCK NUT M20	1
10.	21801	CLAMP 12mm	1
11.	31401	CLIP HS 36	1



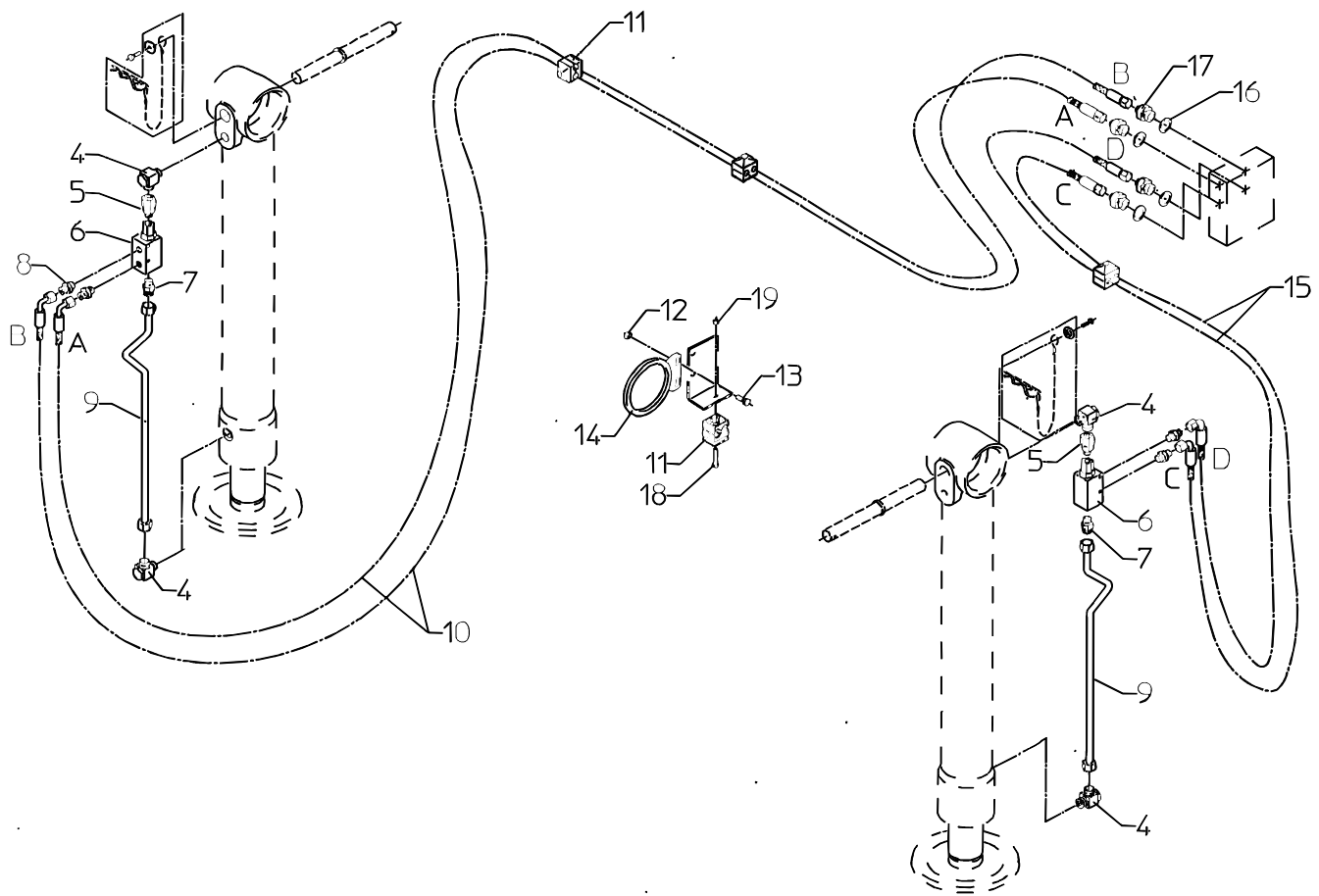
HYDRAULIC SYSTEM, BOOM, JIB, EXTENSION

1.	62996	HOSE, JIC 3/8" x 5700 90/L	2
2.	62995	HOSE, JIC 3/8" x 4900 90/L	2
3.	62948	HOSE, JIC 3/8" X 3700 O/O	2
4.	62602	PROTECTIVE COVER	
		150 x 2200 mm	1
5.	6136574	CLAMP	1
6.	31571	SPRING WASHER 10mm	1
7.	31510	SET SCREW M10 x 16	1
8.	31833	CLAMP	3
9.	6323644	PIN	1
10.	31155	SPRING WASHER 8mm	3
11.	30856	NUT M8	1
12.	31834	COVER	1
13.	27275	CLIP T8-100X	1
14.	6323634	FITTINGS	1
16.	30131	SET SCREW M8 x 16	2
17.	31147	WASHER 16 x 8.4 x 1.6	2
18.	30918	LOCK NUT M8	2
19.	62937	PROTECTIVE COVER	1



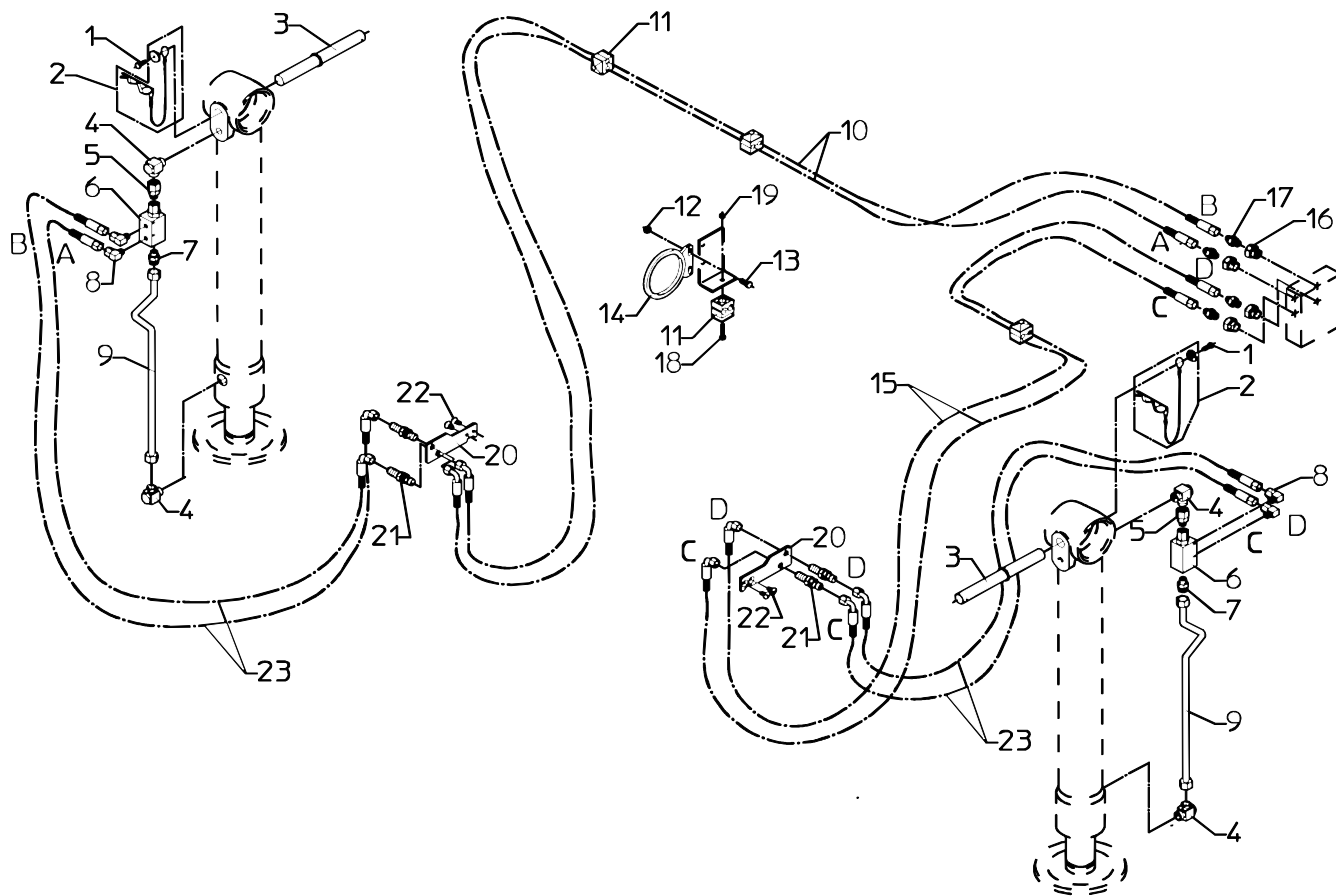
HYDRAULIC SYSTEM, STABILIZER CYLINDER

4.	25130	BANJO CONNECTION P-RSWV 12 LR	4
5.	25241	CONNECTION EGESD 12 LR1/4WD	2
6.	60472	PILOTED CHECK-VALVE	2
7.	25195	CONNECTION, P-GEV12L/R1/4-WD	2
8.	25829	CONN, JIC F40XS8 - 1/4	8
9.	6324344	PIPE	2
10.	62874	HOSE, JIC 1/4" x 3700 V/O	2
11.	31418	CLAMP, DOUBLE 2 x 12mm	4
12.	30886	LOCK NUT M8	2
13.	30132	SET SCREW M8X20	2
14.	6173363	HOSE GUIDE	1
15.	62875	HOSE, JIC 1/4X2150 V/O	2
16.	25180	CONNECTION,RED-R1/2/R1/4	4
17.	30118	STEEL BOLT M6 X 45	1
18.	30884	LOCK NUT M6	1



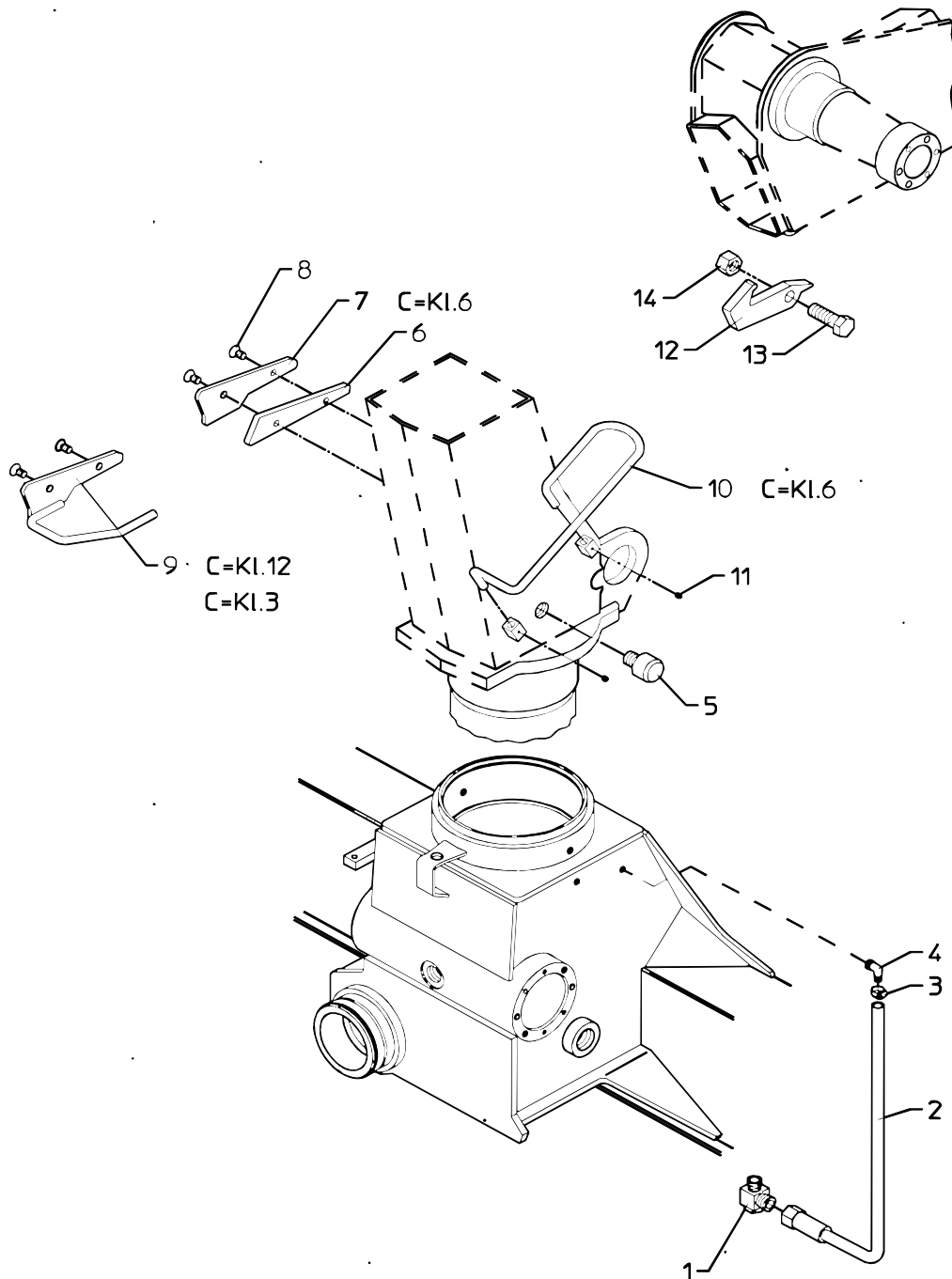
HYDRAULIC SYSTEM, STABILIZER TYPE D

1.	30113	SET SCREW M6 x 20	1
2.	6324190	WIRE ROPE	1
3.	6323874	LOCKING PIN	1
4.	25130	BANJO CONNECTION	2
5.	25241	CONNECTION EGESD	1
		12 LR1/4WD	1
6.	60472	PILOTED CHECK-VALVE	1
7.	25195	CONNECTION	1
		P-GEV12L/R1/4-WD	1
8.	25858	CONNECTION 1/4" x 1/4"	2
9.	6324344	PIPE	1
10.	62874	HOSE, JIC 1/4" x 3700 V/O	2
11.	31418	CLAMP, DOUBLE 2 x 12mm	4
12.	30886	LOCK NUT M8	2
13.	30132	SET SCREW M8 x 20	2
14.	6173363	HOSE GUIDE	1
15.	62875	HOSE, JIC 1/4 x 2150 V/O	2
16.	25180	CONNECTION RED-R1/2/R1/4	4
17.	25829	CONNECTION, JIC	4
		R40XS8 - 1/4	4
18.	30118	STEEL BOLT M6 x 45	1
19.	30884	LOCK NUT M6	1
20.	6324694	STOP	1
21.	25823	BULKHEAD CONNECTION,	2
		JIC WTX-WLNS 8	
22.	30543	COUNTERSUNK	2
		SCREW MK 8 x 16	
23.	62571	HOSE 1/4" x 900 V/O	2



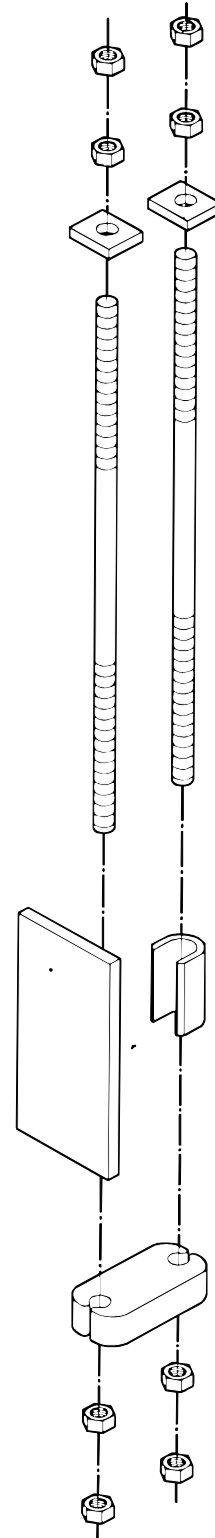
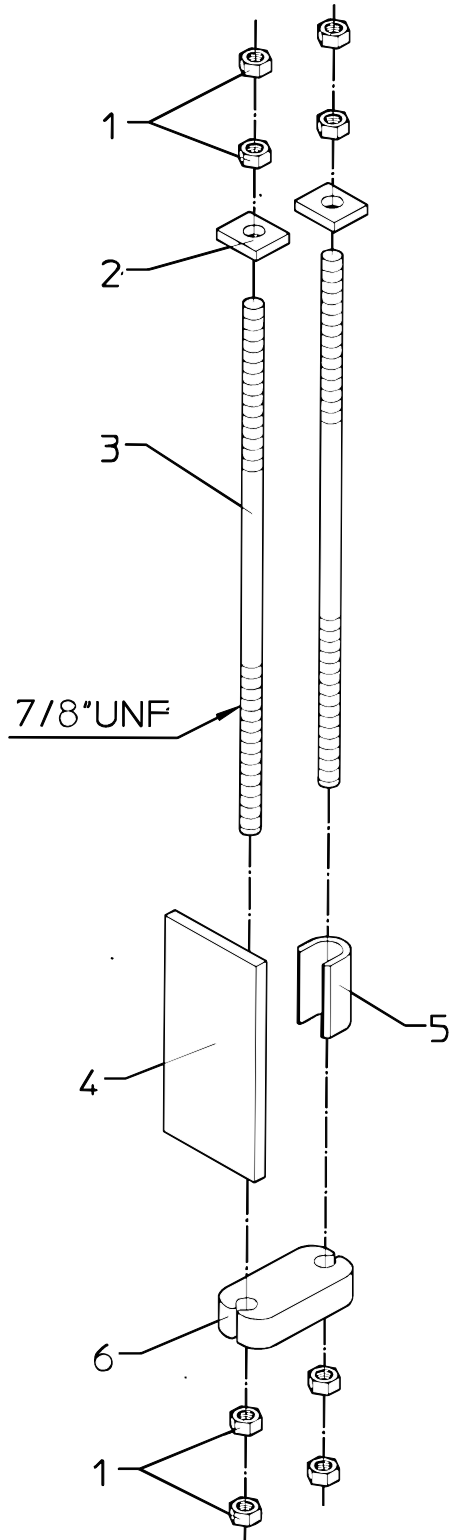
MOUNTING FITTINGS

1.	26344	BANJO CONNECTION	
		P-RSWV 16 SR	1
2.	6226550	HOSE	1
3.	31402	CLIP HS 8	1
4.	25960	CONNECTION VA 8 LK 1/8"	1
5.	60214	AIR FILTER M22x1	1
6.	6246174	DIVISION PLATE	1
7.	6248104	LOCK PLATE	1
8.	30545	SCREW MK10x20	2
9.	6323714	LOCK PLATE	1
10.	6271194	CLAMP	1
11.	31548	POINTED SCREW MSP 6 x 6	2
12.	6126184	BRACKET	1
13.	30245	SET SCREW M20 x 60	1
14.	30894	LOCK NUT M20	1



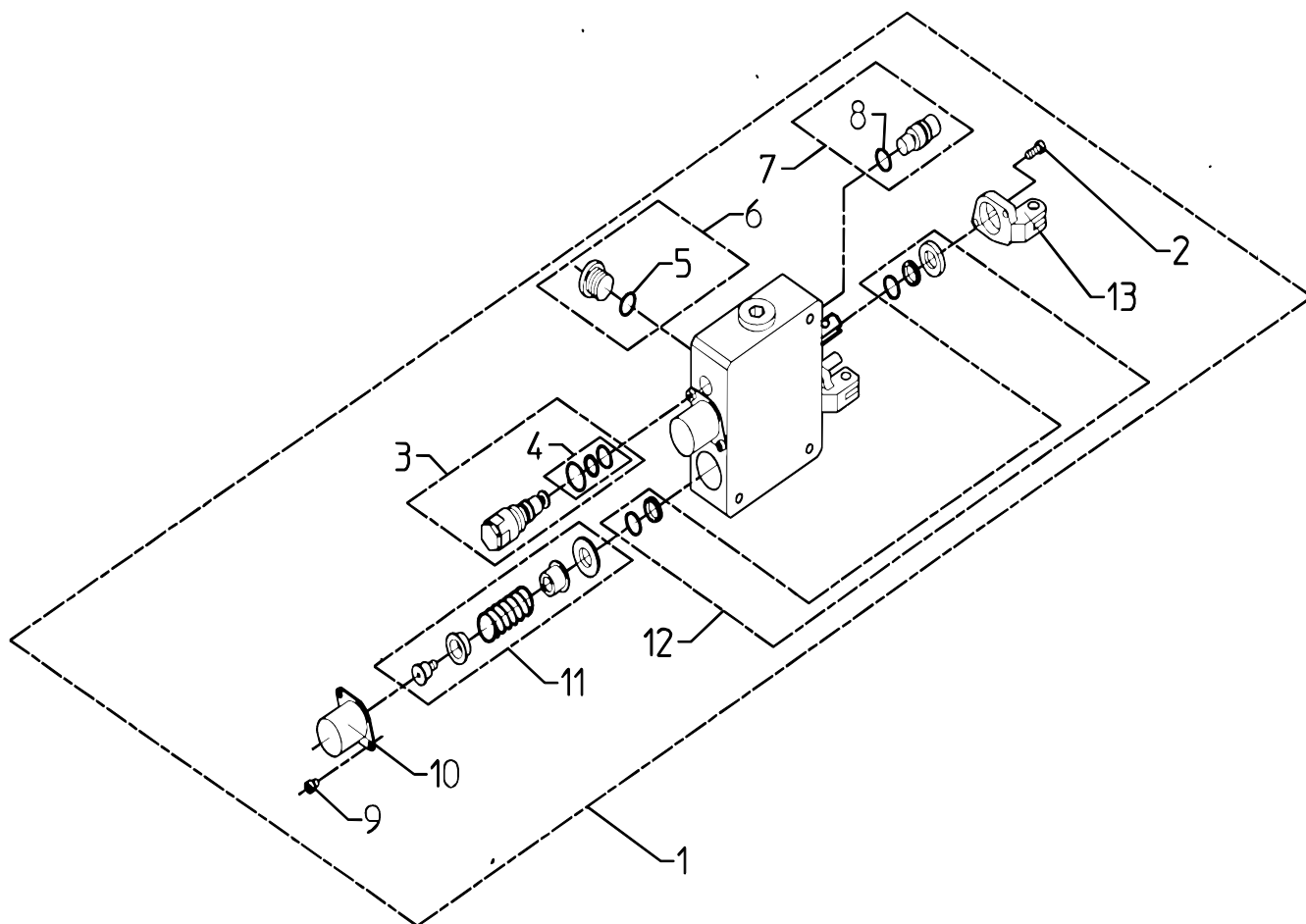
MOUNTING FITTINGS

1.	30833	NUT 7/8" UNF	16
2.	6657044	WASHER	4
3.	6657614	MOUNTING BOLT L= 850 mm	4
4.	6659924	SPACER	2
5.	6659914	U-SECTION	2
6.	5958574	CLAMP	2



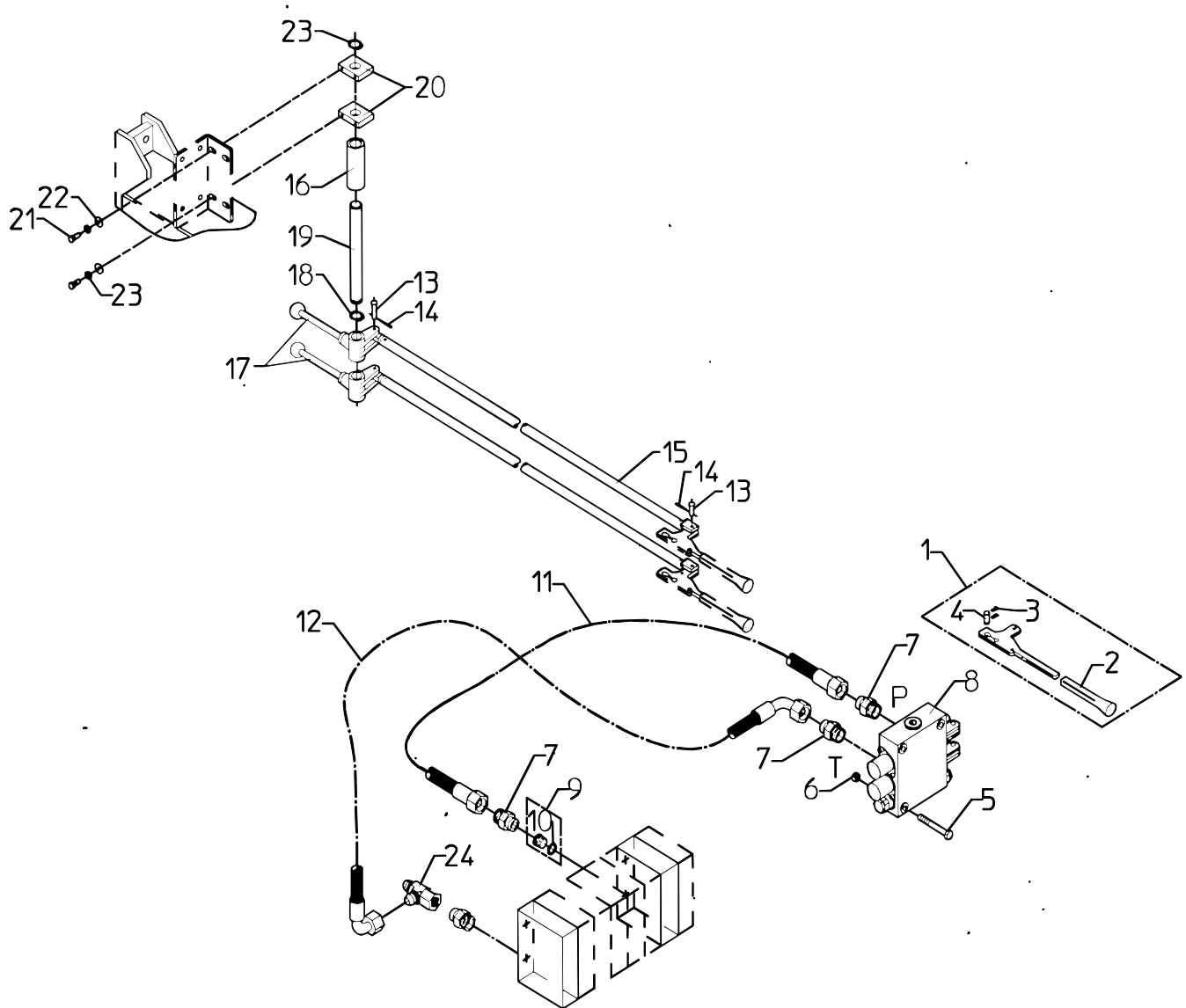
VALVE BLOCK, STABILIZERS, 2 FUNC.

1. 59561 VALVE BLOCK
2. 30433 SCREW MC 5 x 16
3. 61679 MAIN-RELIEF VALVE TB 150
4. 61493 SEAL KIT
5. 20129 O-RING 17.3 x 2.4
6. 61366 PLUG 1/2"BSP
7. 61678 CHECK VALVE
8. 20121 O-RING 13.3 x 2.4
9. 31596 SCREW MC 5 x 6
10. 61353 COVER
11. 61482 SPRING KIT
12. 61365 SEAL KIT
13. 61362 BRACKET FOR LEVER



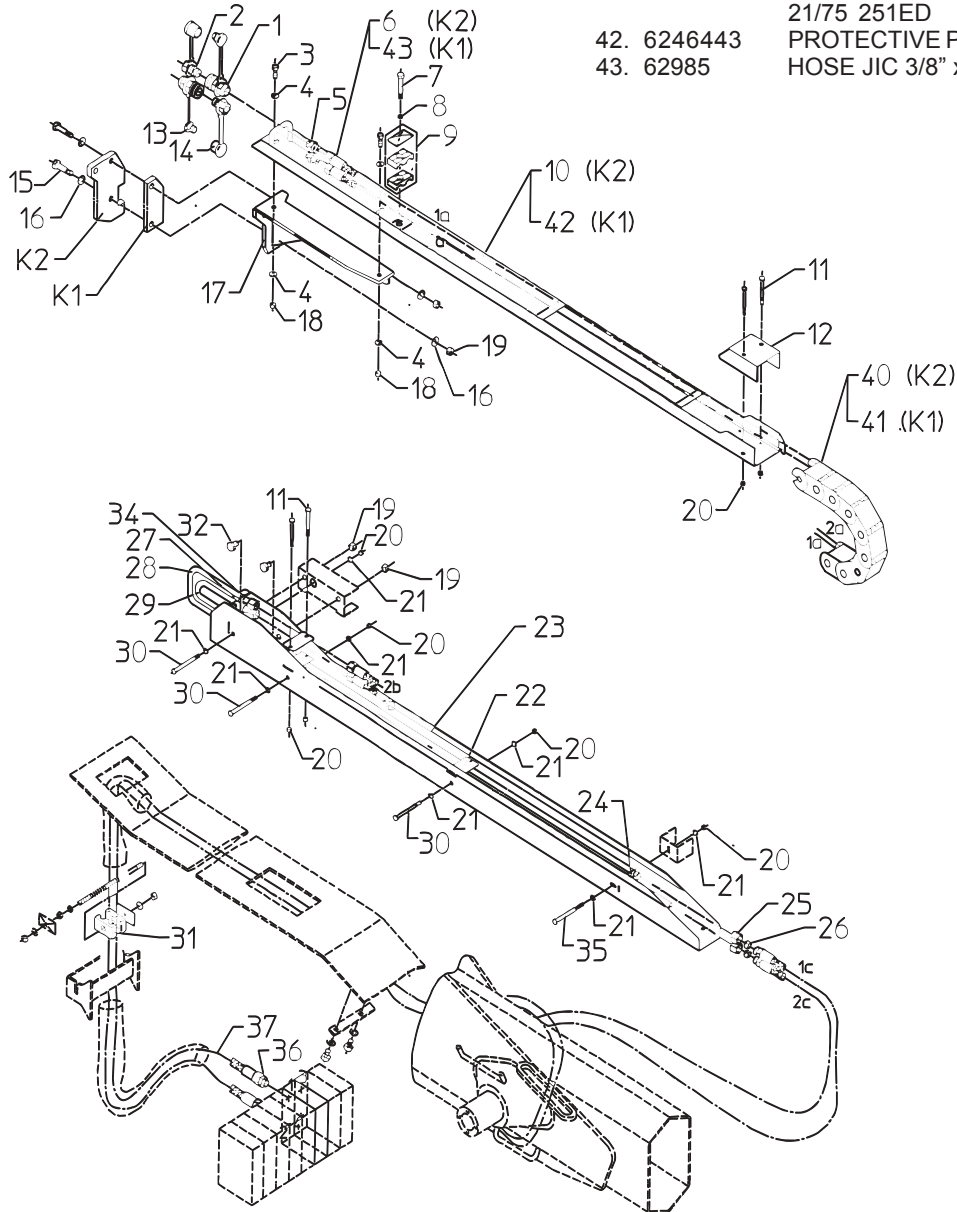
SERIES CONNECTION, 2 FUNCT.

1.	6882760	CONTROL LEVER, SHORT	2	16.	63820	NYLON BUSHING	1
2.	48406	KNOB		17.	6661643	CONTROL LEVER, SHORT	2
3.	61320	LOCK FOR PIN		18.	33107	SNAP RING 19U	2
4.	61364	PIN		19.	6243144	PIN FOR 4 LEVERS	1
5.	30142	STEEL BOLT M8 x 70	3	20.	6243124	MANIFOLD	1
6.	30886	LOCK NUT M8	3	21.	30112	SET SCREW M6 x 16	4
7.	25833	CONNECTION, JIC	3	22.	31134	WASHER 6mm	4
		F40XS12/16-1/2	3	23.	31154	SPRING WASHER 6mm	4
8.	59561	VALVE BLOCK	1	24.	25756	CONNECTION R6BX-S15	1
9.	61367	PLUG 3/8" BSP	1				
10.	20120	O-RING 16.35 x 2.21					
11.	62917	HOSE, JIC 1/2" x 600 O/O	1				
12.	62993	HOSE JIC 1/2" x 850 90/90	1				
13.	31271	COTTER BOLT $\varnothing 6$ x 20	2				
14.	31601	SPLIT PIN $\varnothing 1.5$ x 20	4				
15.	6324224	CONNECTING ROD	2				



1 EXTRA VALVE, K1-K2

1. 60619	QUICK-RELEASE		20. 30884	LOCK NUT M6	8
	COUPLING, F 3/8"	2	21. 31134	WASHER 6mm	8
2. 60620	QUICK-RELEASE		22. 6246404	MOUNTING PLATE	2
	COUPLING, M 3/8"	2	23. 6246581	PROTECTIVE PLATE	1
3. 30134	SET SCREW M8 x 25	2	24. 6246424	CLAMP	1
4. 31755	WASHER 8mm	4	25. 25845	COUPLING NUT BTX-S 12	
5. 25831	CONNECTION JIC		26. 25729	SLEEVE TX-S12	
	F40XS12-3/8	2	27. 6246434	CLAMP	1
6. 62990	HOSE, JIC 3/8" x 4200 S/L	2	28. 6329374	PIPE	1
7. 30140	STEEL BOLT M8 x 55	1	29. 6329384	PIPE	1
8. 31155	SPRING WASHER 8mm	1	30. 30196	STEEL BOLT M6 x 80	3
9. 31808	DOUBLE CLAMP 2 x 18 mm	1	31. 31833	CLAMP	1
10. 6246473	PROTECTIVE PLATE	1	32. 30153	SET SCREW M10 x 16	2
11. 30199	STEEL BOLT M6 x 65	4	34. 28909	RUBBER BUSHING	
12. 6246413	MOUNTING FITTINGS, TOP	1		RM 15096	2
13. 60621	DUST CAP, M. 3/8"	2	35. 30124	STEEL BOLT M6 x 90	1
14. 60622	DUST CAP, F. 3/8"	2	36. 25832	CONNECTION, JIC	
15. 30165	STEEL BOLT M10 x 45	2		F40XS12-1/2	2
16. 31756	WASHER 10mm	4	37. 62997	HOSE, JIC 3/8" x 6800 S/L	2
17. 6246553	BRACKET	1	40. 27596	NYLON DRAG CHAIN	
18. 30886	LOCK NUT M8	2		21/75 511ED	1
19. 30888	LOCK NUT M10	4	41. 27594	NYLON DRAG CHAIN	
				21/75 251ED	1
			42. 6246443	PROTECTIVE PLATE	1
			43. 62985	HOSE JIC 3/8" x 2350 S/L	2

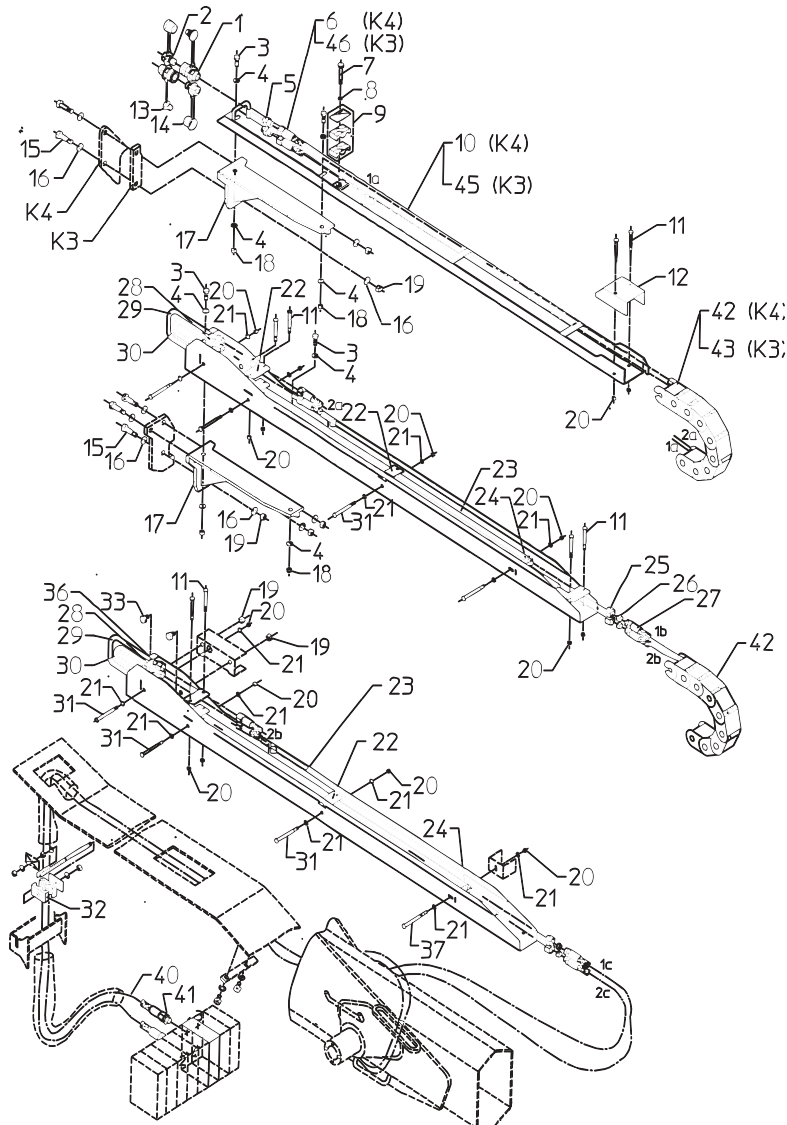


9-63: 52007180: 20030519

PARTS - 53

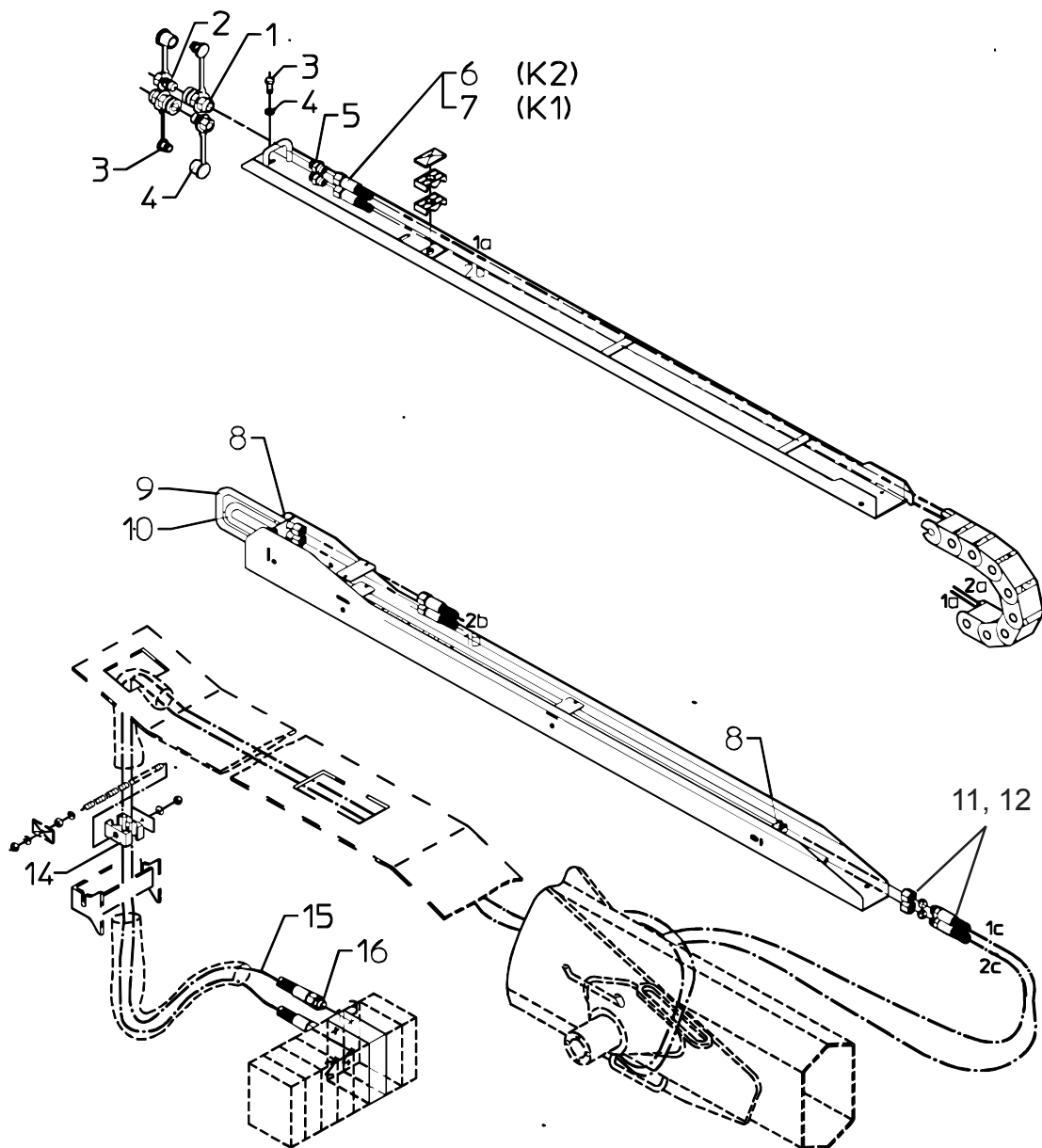
1 EXTRA VALVE, K3-K4

1.	60619	QUICK-RELEASE		21.	31134	WASHER 6mm	16
		COUPLING, F 3/8"	2	22.	6246404	MOUNTING PLATE	7
2.	60620	QUICK-RELEASE		23.	6246581	PROTECTIVE PLATE	2
		COUPLING, M 3/8"	2	24.	6246424	CLAMP	2
3.	30134	SET SCREW M8 x 25	4	25.	25845	COUPLING NUT BTX-S 12	
4.	31755	WASHER 8mm	8	26.	25844	BACK RING	
5.	25831	CONNECTION JIC		27.	62987	HOSE, JIC 3/8" x 3100 S/S	2
		F40XS12-3/8	2	28.	6246434	CLAMP	2
6.	62990	HOSE, JIC 3/8" x 4200 S/L	2	29.	6329374	PIPE	2
7.	30140	STEEL BOLT M8 x 55	1	30.	6329384	PIPE	2
8.	31155	SPRING WASHER 8mm	1	31.	30196	STEEL BOLT M6 x 80	7
9.	31808	DOUBLE CLAMP 2 x 18mm	1	32.	31833	CLAMP	1
10.	6246473	PROTECTIVE PLATE	1	33.	30153	SET SCREW M10 x 16	2
11.	30199	STEEL BOLT M6 x 65	8	34.	31156	SPRING WASHER 10mm	2
12.	6246413	MOUNTING FITTINGS, TOP	1	36.	28909	RUBBER BUSHING RM 15096	
13.	60621	DUST CAP, M. 3/8"	2	37.	30124	STEEL BOLT M6 x 90	1
14.	60622	DUST CAP, F. 3/8"	2	40.	62997	HOSE, JIC 3/8" x 6800 S/L	2
15.	30165	STEEL BOLT M10 x 45	5	41.	25832	CONNECTION, JIC	
16.	31756	WASHER 10mm	10			F40XS12-1/2	2
17.	6246553	BRACKET	2	42.	27596	NYLON DRAG CHAIN	
18.	30886	LOCK NUT M8	4			21/75 511ED	
19.	30888	LOCK NUT M10	7	43.	27594	NYLON DRAG CHAIN	
20.	30884	LOCK NUT M6 16	16			21/75 251ED	
				45.	6246443	PROTECTIVE PLATE	
				46.	62985	HOSE JIC 3/8" 2350 S/L	



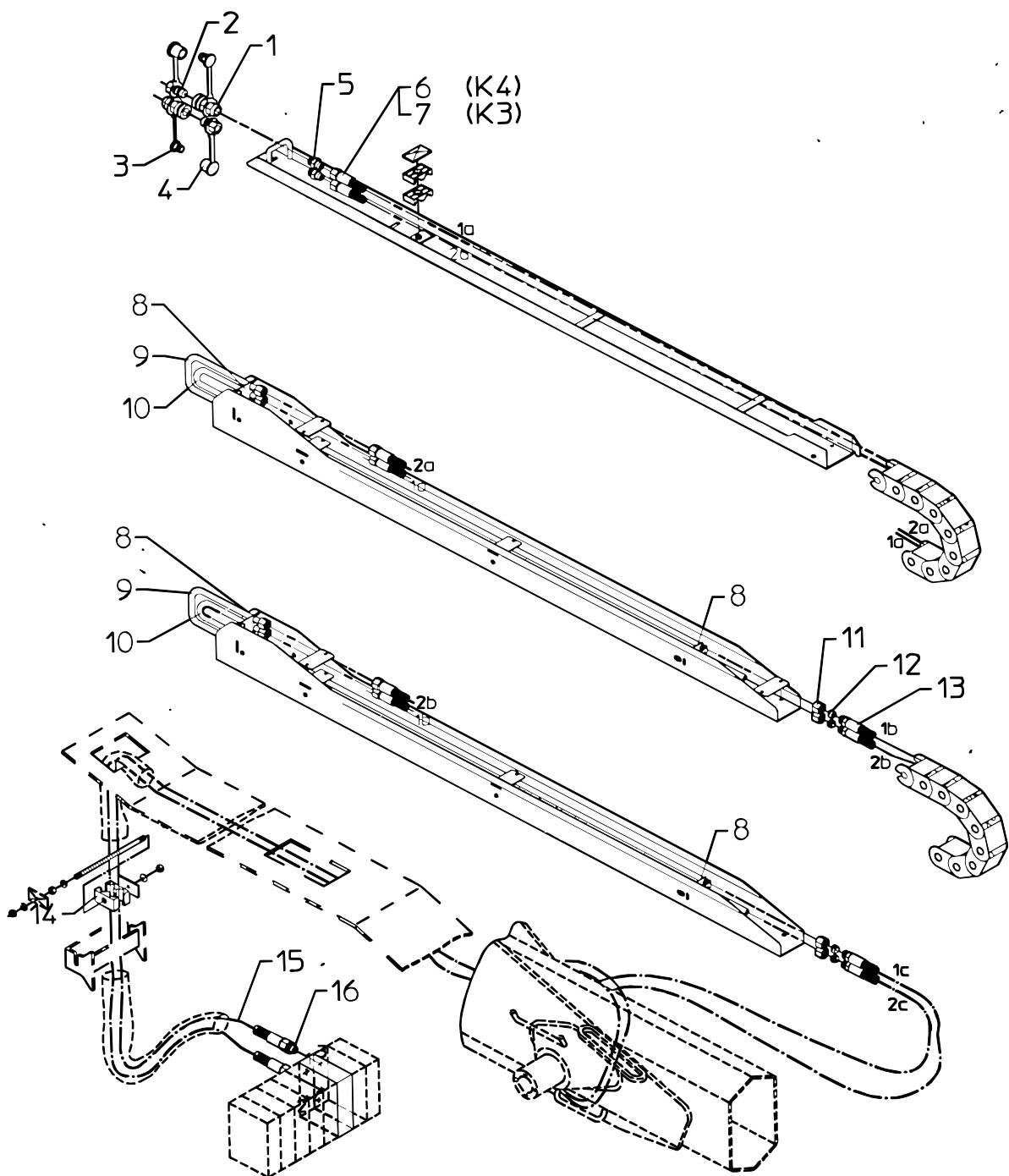
**SUPPLEMENTARY KIT FOR 2 EXTRA VALVES,
K1-K2**

1.	60619	QUICK-RELEASE COUPLING, F 3/8"	2
2.	60620	QUICK-RELEASE COUPLING, M 3/8"	2
3.	60621	DUST CAP, M. 3/8"	2
4.	60622	DUST CAP, F. 3/8"	2
5.	25831	CONNECTION JIC F40XS12 - 3/8	2
6.	62990	HOSE, JIC 3/8" x 4200 S/L	
7.	62985	HOSE JIC 3/8" x 2350 S/L	
8.	28909	RUBBER BUSHING RM 15096	
9.	6329374	PIPE	2
10.	6329384	PIPE	2
11.	25845	COUPLING NUT BTX-S 12	
12.	25729	SLEEVE TX-S12	
14.	31833	CLAMP	2
15.	62997	HOSE, JIC 3/8" x 6800 S/L	2
16.	25832	CONNECTION, JIC F40XS12-1/2	2



SUPPLEMENTARY KIT FOR 2 EXTRA VALVES

1. 60619	QUICK-RELEASE COUPLING, F 3/8"	2	8. 28909	RUBBER BUSHING RM 15096	
2. 60620	QUICK-RELEASE COUPLING, M 3/8"	2	9. 6329374	PIPE	2
3. 60621	DUST CAP, M. 3/8"	2	10. 6329384	PIPE	2
4. 60622	DUST CAP, F. 3/8"	2	11. 25845	COUPLING NUT BTX-S 12	
5. 25831	CONNECTION JIC F40XS12-3/8	2	12. 25729	SLEEVE TX-S12	
6. 62990	HOSE, JIC 3/8" x 4200 S/L		13. 62987	HOSE, JIC 3/8" x 3100 S/S	2
7. 62985	HOSE JIC 3/8" x 2350 S/L		14. 31833	CLAMP	2
			15. 62997	HOSE, JIC 3/8" x 6800 S/L	2
			16. 25832	CONNECTION, JIC F40XS12-1/2	2

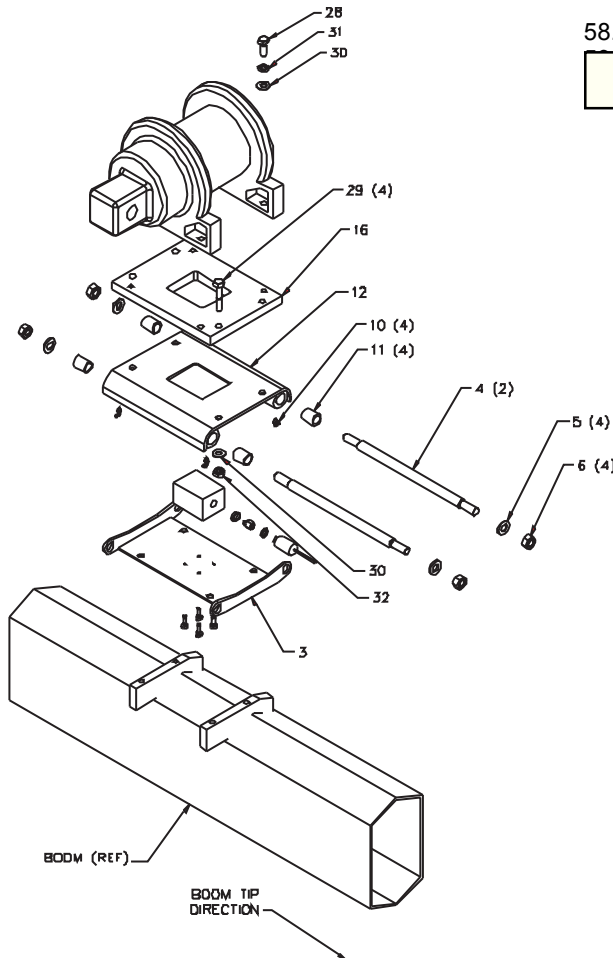


CONVERSION KIT - 9 TM WINCH (99903329-1)

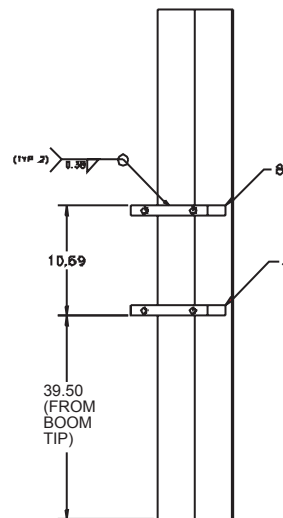
1.	70146287	WINCH ANTI 2-BLK KIT	1
		(INCLUDES 25-27)	
2.	6886840	WINCH MTG KIT	1
		(INCLUDES 3-7, 10-13,22,23,33,45	
		48,49)	
3.	6885213	WINCH MTG BRKT	1REF
4.	6885244	PIN-WINCH MOUNTING	2REF
5.	31179	WASHER 37x21x3MM	4 REF
6.	30894	NUT-LOCK M20	4REF
7.	30155	CAP SCR M10x25	4REF
8.	60123657	BRKT-WINCH MOUNTING	2
9.	72060148	CAP SCR 5/8-11x1.25 HH GR5Z	4
10.	31322	ZERK 1/8 90°	4REF
11.	23307	BUSHING	4REF
12.	6885173	BRKT-SLIDER WINCH	1REF
		(WAS 6886633)	
13.	6885120	WEIGHT HY CELL-WINCH	1REF
14.	72532963	ADPTR-#16MSTR #8FSTR	2
15.	72053763	ELBOW #8MSTR #8MJIC 90°	2
16.	60122941	SPACER-WINCH KIT	1
17.	72532358	ADPTR #8MSTR #8MJIC	6
18.	72532670	ELBOW #8MJIC #8FJIC 45°	2
19.	72532658	ELBOW #8MJIC #8FJIC SW	3
20.	60123658	BRKT MANIFOLD MOUNT	1
21.	72532668	ELBOW #12 JSTR #10MJIC 90°	1
22.	59178	VALVE BANK SECTION	1REF
23.	59586	ROD-VALVEBANK	3REF
25.	73540085	VALVE BLOCK ASSY FV-6130	1REF
26.	71570646	WINCH TH2	1REF
27.	77041614	PRES SWITCH	1REF
28.	72060150	CAP SCR 5/8-11x1.75 HH GR8Z	4

29.	72601482	CAP SCR 5/8-11x2.5 HH GR8Z	4
30.	72063119	WASHER 5/8 N FLAT H	8
31.	72063055	WASHER 5/8 LOCK ZINC	8
32.	72062091	NUT 5/8-11 HEXNYLOC ZINC	4
33.	25832	ADPTR MJIC METRIC STR	2REF
34.	31833	CLAMP 2x81mm	1REF
35.	72533682	ELBOW #10MJIC #10FJIC SW	1
36.	72533731	TEE-SWVL NUT RUN JIC 10	1
37.	72060046	CAP SCR 3/8-16x1.00 HH GR5Z	2
38.	72062103	NUT 3/8-16 HEX NYLOC ZINC	2
39.	51396102	HOSE FF 5/8x32 OAL (10-10)	2REF
40.	51396103	HOSE FJ 1/2-28 OAL (8-8)	3REF
41.	51396478	HOSE-FF 1/2X273 OAL (8-8)	2REF
		(WAS 51396104)	
42.	51717035	HOSE KIT 7/51 WINCH KIT	1
		(INCLUDES 39-41)	
43.	72060034	CAP SCR 5/16-18x3.25 HH GR5 Z	3
44.	72062109	NUT 5/16-18 HEX NYULOC ZINC	3
45.	30888	LOCK NUT M10	3REF
46.	70395990	DECAL-CONTROL KNOBS W/	
		WINCH	2
48.	6886834	ADAPTER-CONVERSION	1REF
49.	21102	SEAL WASHER	2REF
50.	51716903	HARNESS-WINCH 15/113	1
51.	51717042	CONTROL ROD KIT-9/63	1
		(INCLUDES 34,52-59)	
52.	6882770	VALVE HANDLE-LONG	1REF
53.	6331704	CROSS ROD-9/63	1REF
54.	31271	HMF COTTER BOLT	1REF
55.	64122	BUSHING	1REF
56.	6660913	HMF CONTROL LEVER LONG	1REF
57.	64256	KNOBS-CONTROL HANDLES	
		FLAT STYLE	1REF
58.	31601	HMF SPLIT PIN	1REF

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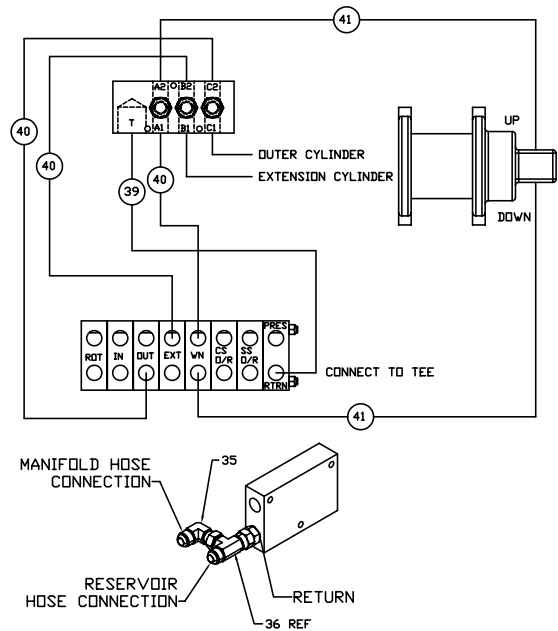
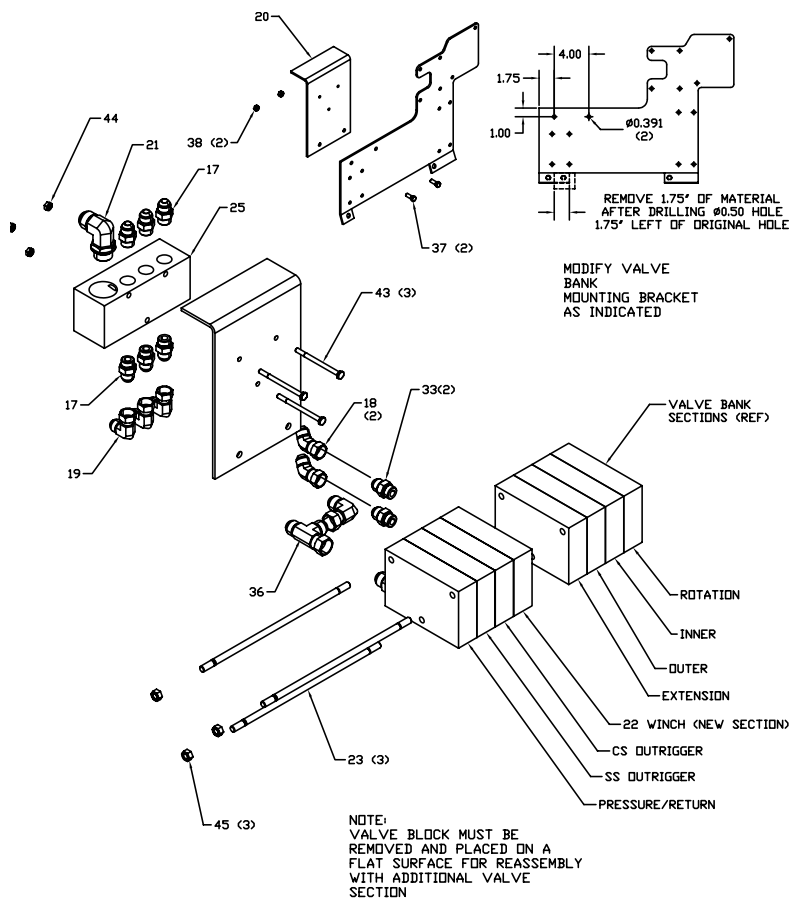
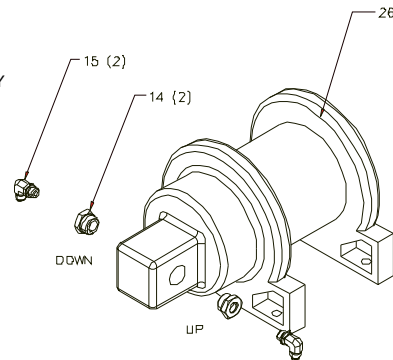
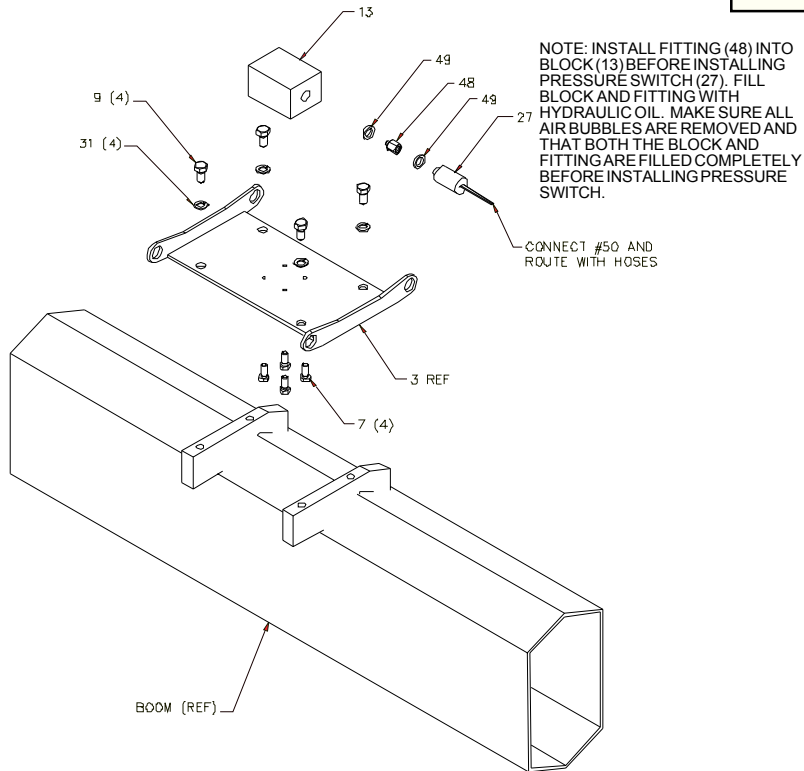
BOOM LAYOUT ASSEMBLY
SHOWN IN THE CRANE
STOWED POSITION



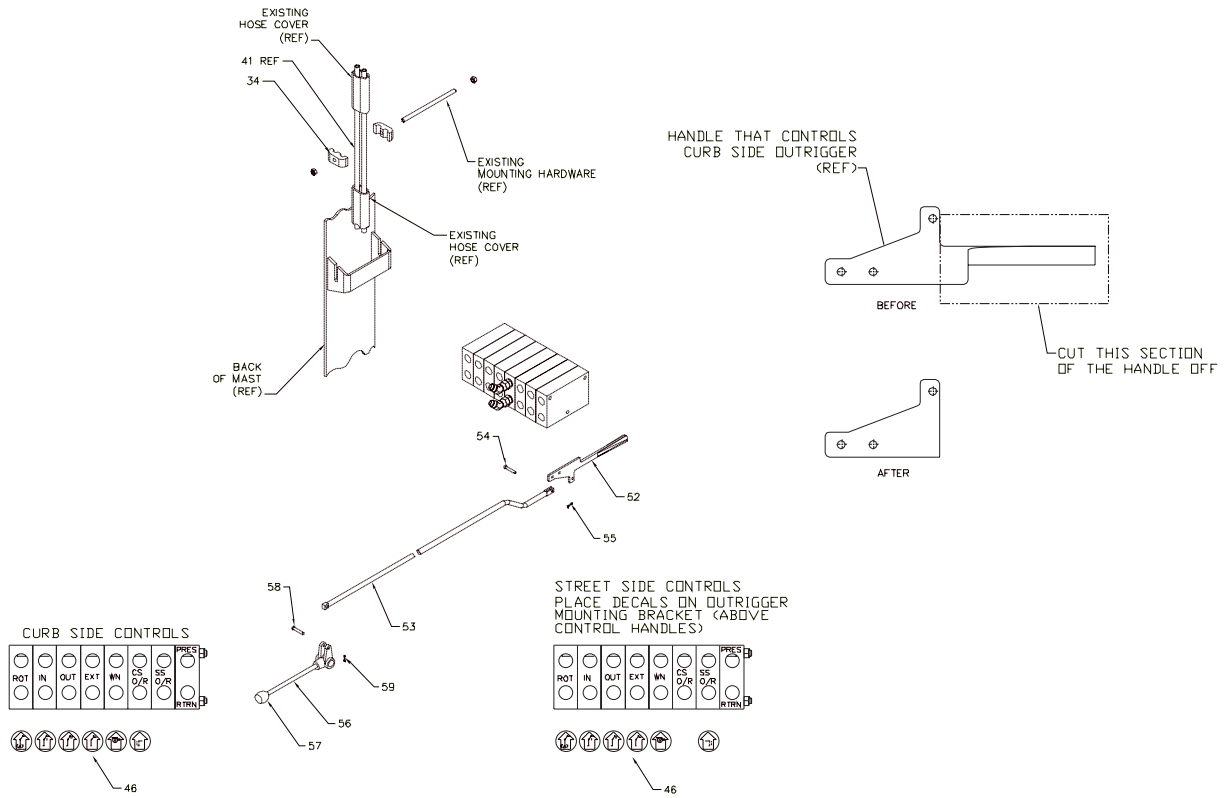
MODIFY BOOM AS
INDICATED. BOLT
WINCH MOUNTING BRACKETS
TO ITEM #3 BRACKET
TO GET PROPER ALIGNMENT
BEFORE WELDING IN PLACE

CONVERSION KIT - 9 TM WINCH (99903329)

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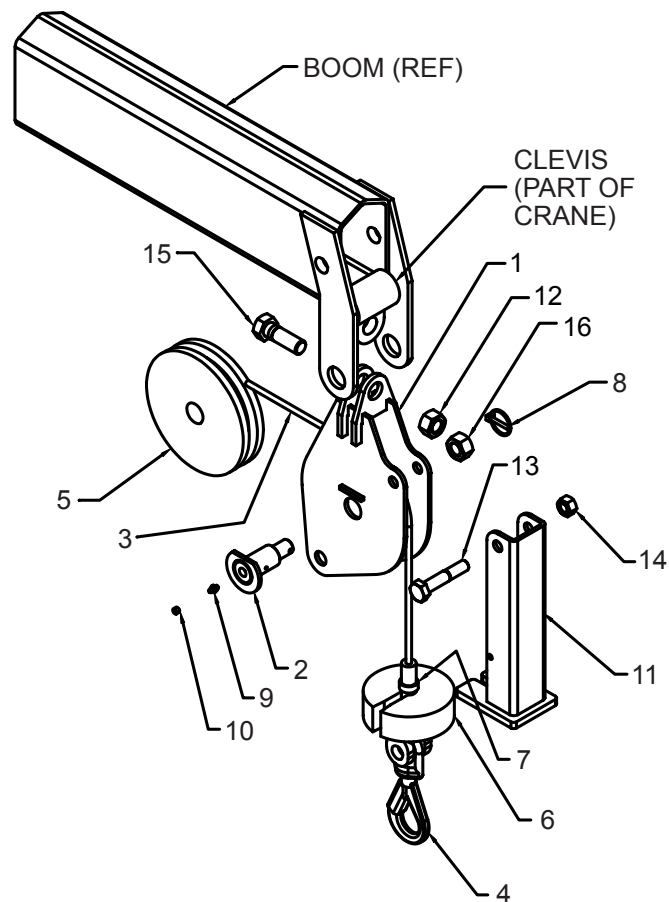


CONVERSION KIT 9-TM WINCH (99903329)



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

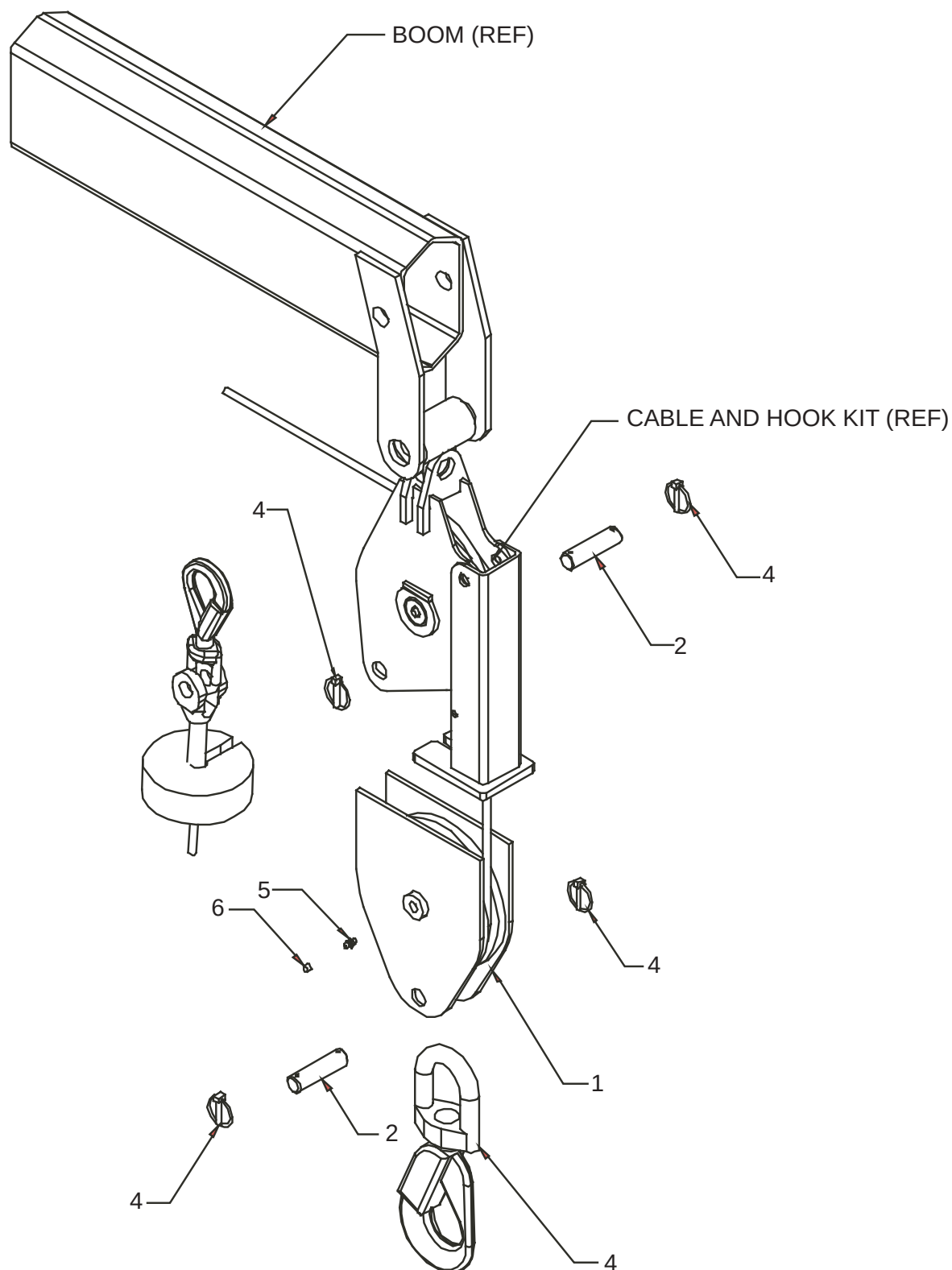


9-63:41716423. 20030325

PARTS - 60

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

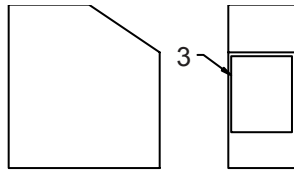


9-63:

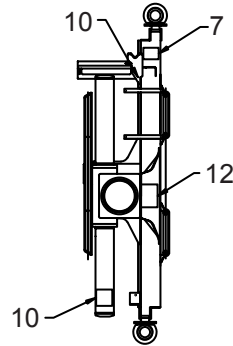
Decal Placement (if not shown on crane)

ITEM#	LOCATION
5,6	One on all four sides of carrier vehicle.
7	Place on curbside control knob.
8	At or near driveline.

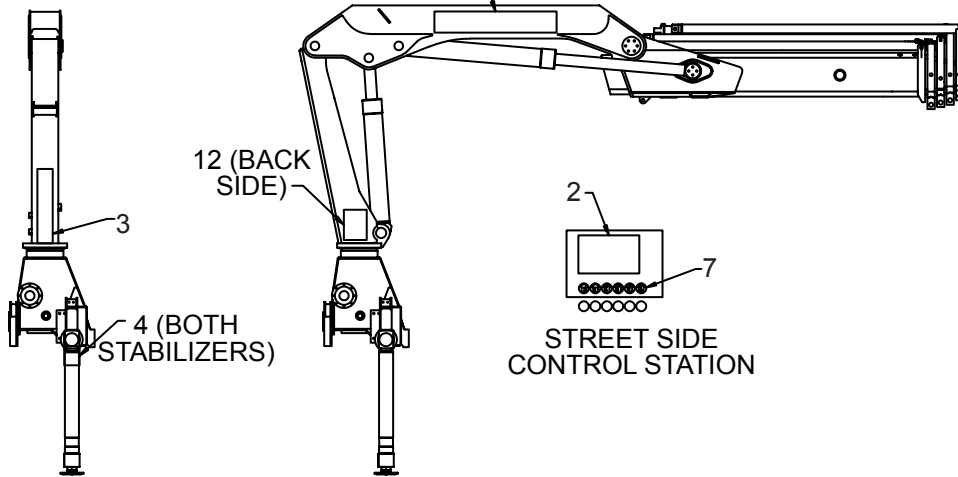
Note: Item #12 is dependent on crane configuration.



RESERVOIR LAYOUT



13 (BOTH SIDES)

STREET SIDE
CONTROL STATION**PARTS - 61 DECAL KIT (KIT 95716620/DWG 99903274)**

1.	95720380	DECAL KIT - COMMON	1
2.	70397053	DECAL-GREASE, 4-9 TM	1
3.	70396919	DECAL-DANGER SMALL ARTICULATING (PART OF #1)	2
4.	70392864	DECAL-DANGER STAB STAND CLEAR (PART OF #1)	2
5.	70392865	DECAL-DANGER ELEC HAZARD LG (PART OF #1)	4
6.	70392868	DECAL-DANGER CR LOADLINE (PART OF #1)	4
7.	70395542	DECAL-CONTROL CIRCLES	2
8.	70392891	DECAL-DANGER DRIVELINE (PART OF #1)	2
9.	70394189	DECAL-MOBILLOIL RESERVOIR (PART OF #1)	1
10.	70391583	DECAL-SET UP/STOW INSTR. (PART OF #1)	2
11.	70029119	PLACARD-SERIAL NO.	1
12.	70395973	DECAL-CP 9/63 K1	2REF
	70395974	DECAL-CP 9/63 K2	2REF
	70395975	DECAL-CP 9/63 K3	2REF
	70395976	DECAL-CP 9/63 K4	2REF
13.	70395977	DECAL-ID 9/63 SERIES	2
14.	70396021	DECAL-MADE IN DENMARK (PART OF #1)	1

DECAL KIT (99903274) (THRU 4-07)

1.	700392887	PLACARD-IMT DIAM. 5.00 X 10.00	2
2.	70392813	DECAL-DANG. ELECTR.	2
3.	70392814	DECAL-DANGER OP. TRAINING	2
4.	70392815	DECAL-DANGER OPERATION	2
5.	70391612	DECAL-GREASE WEEKLY (LEFT)	4
6.	70391613	DECAL-GREASE WEEKLY (RT)	5
7.	70392863	DECAL-DANGER HOIST. PERS.	2
8.	70392864	DECAL-DANGER STAB CLEAR	2
9.	70392865	DECAL-DANGER ELEC HAZARD LARGE	4
10.	70392866	DECAL-DANGER OP COND	2
12.	70392868	DECAL-DANGER CR LOADLIN	4
13.	70392888	DECAL-DANGER OPER RESTRICTIONS	2
14.	70395542	DECAL-CTRL CIRCLES	2
	10.5/12/14		

15.	70392890	DECAL-DANGER STOWING/ UNFOLDING	2
16.	70392891	DECAL-DANGER DRIVELINE	2
17.	70394189	PLACARD-MOBILLOIL RESERVOIR	1
18.	70394670	DECAL-IMT MATL HND SYS	2
19.	70391583	DECAL-SET UP/STOW INSTR.	2
20.	70029119	PLACARD-SERIAL NO.	1
22.	70395973	DECAL-CP 9/63 1H	2REF
	70395974	DECAL-CP 9/63 2H	2REF
	70395975	DECAL-CP 9/63 3H	2REF
	70395976	DECAL-CP 9/63 4H	2REF
23.	70395977	DECAL-ID 9/63 SERIES	2
24.	70392108	DECAL-SUCTION LINE	1
25.	70392109	DECAL-RETURN LINE	1
26.	70392524	DECAL-ROTATE CRANE WHILE GREAS	1

