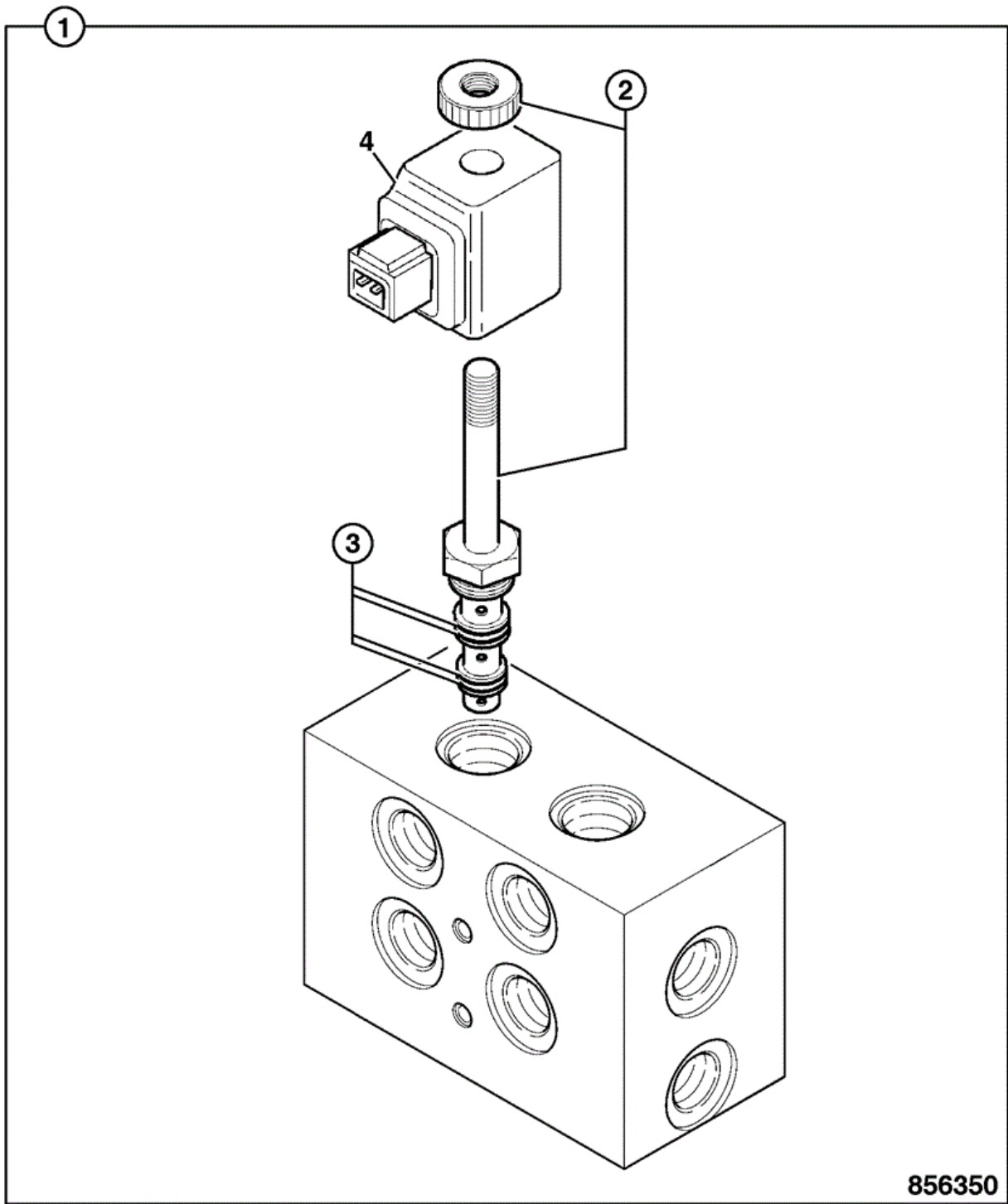


9802/5920 E3-21-1 VALVE, SOLENOID DUAL CONTROLS

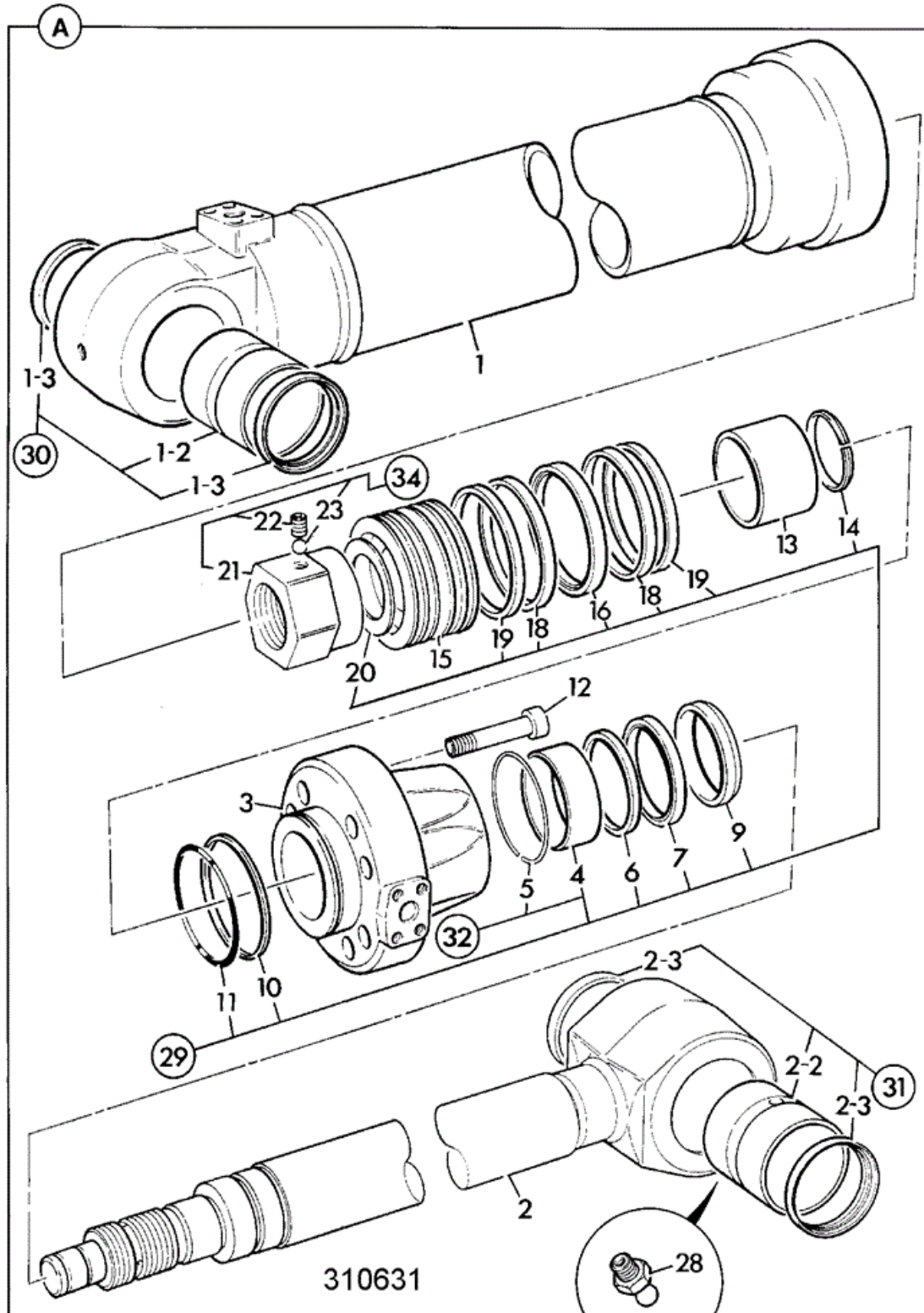


Item	Part #	Change No	Description	Usage Code	QTY
1	25/221066		Valve dual controls		1
2	:25/220937		Cartridge solenoid valve		2
3	::25/221395		Kit-seal		2

4	:25/221263		Coil 24V		1
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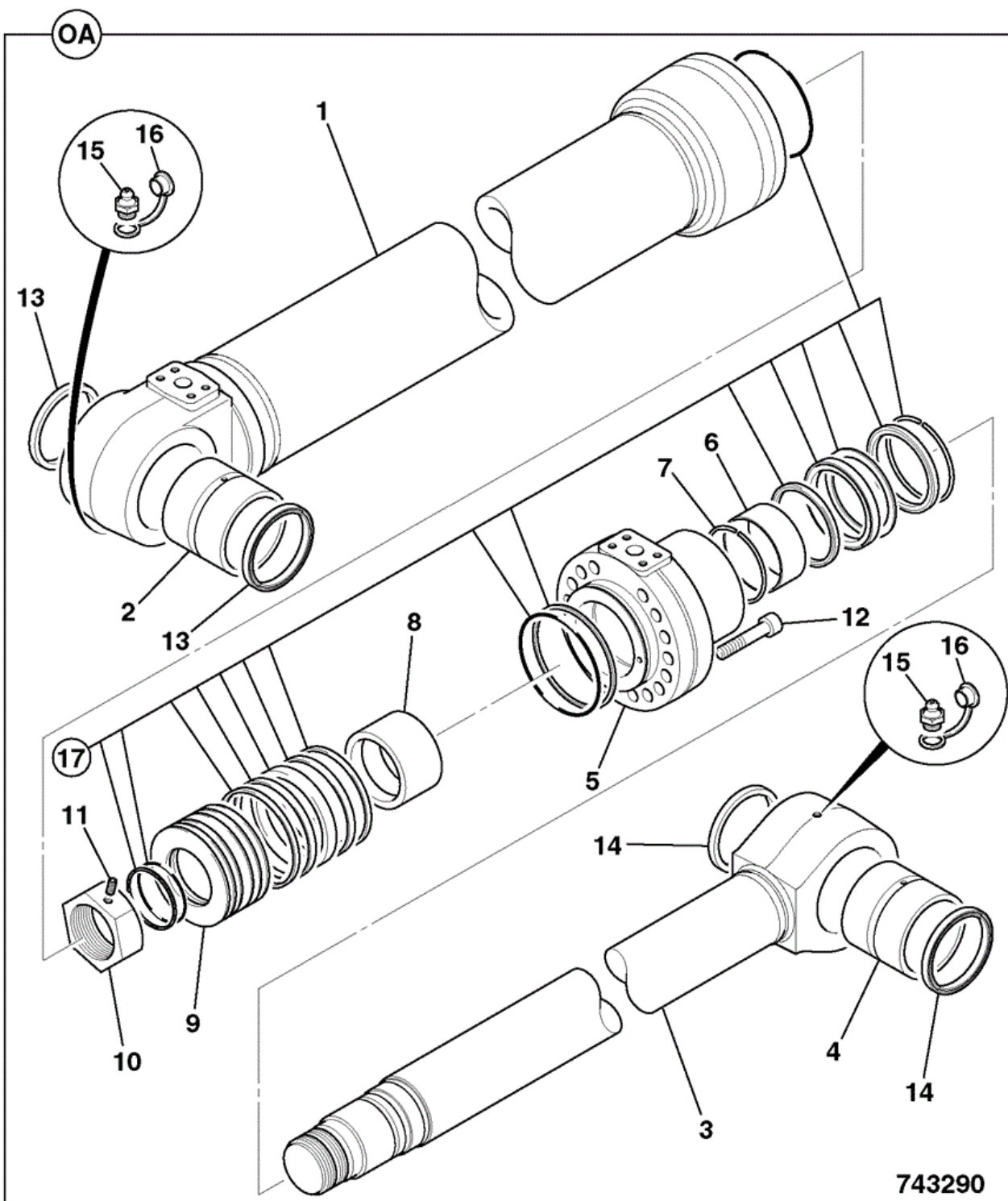


9802/5920 E4-1-1 RAM, BOOM



Item	Part #	Change No	Description	Usage Code	QTY
0	331/17531		Ram Boom	P/Ex	1
1	:331/21129	Superseded	Cylinder tube assembly		1
1	:903/20207		Kit repair cylinder		1
1-2	::331/21130		Bush pin		1
1-3	::6900/0960		Seal wiper		2
2	:903/20200	Superseded	Piston rod assembly		1
2	:903/20208		Piston rod,kit repair		1
2-2	::903/20201		Bush pin		1
2-3	::903/20202		Wiper pin,bushing		2
3	903/20203	Superseded	Cap end		1
3	903/20209		Cap end,repair kit		1
4	****		None serviced part		1
5	****		None serviced part		1
6	****		None serviced part		1
7	****		None serviced part <i>Includes back up ring</i>		1
9	****		None serviced part		1
10	****		None serviced part		1
11	****		None serviced part		1
12	903/20204	Superseded	Screw		12
12	6900/0738		Screw		12
13	6900/0739		Cushion ring		1
14	6900/0740	Superseded	Ring cushion		1
14	****		None serviced part		1
15	903/20205		Piston		1
16	****		None serviced part		1
18	****		None serviced part		2
19	****		None serviced part		2
20	****		None serviced part		1
21	903/20206		Nut		1
22	****		None serviced part		1
23	****		None serviced part		1
28	6900/0723		Nipple grease		1
29	991/10127		Kit Seal <i>Includes items 4,6,7,9,10,11,14,16,18,19,20</i>		1
30	903/20207		Kit repair cylinder <i>Includes items 1,1.2 & 1.3</i>		1
31	903/20208		Piston rod,kit repair <i>Includes items 2,2.2 & 2.3</i>		1
32	903/20209		Cap end,repair kit <i>Repair kit for item 3,includes items 3,4 & 5</i>		1
34	903/20210		Nut kit repair <i>Includes items 21,22,23</i>		1

JCB 9802/5920 E4-1-2 RAM, BOOM

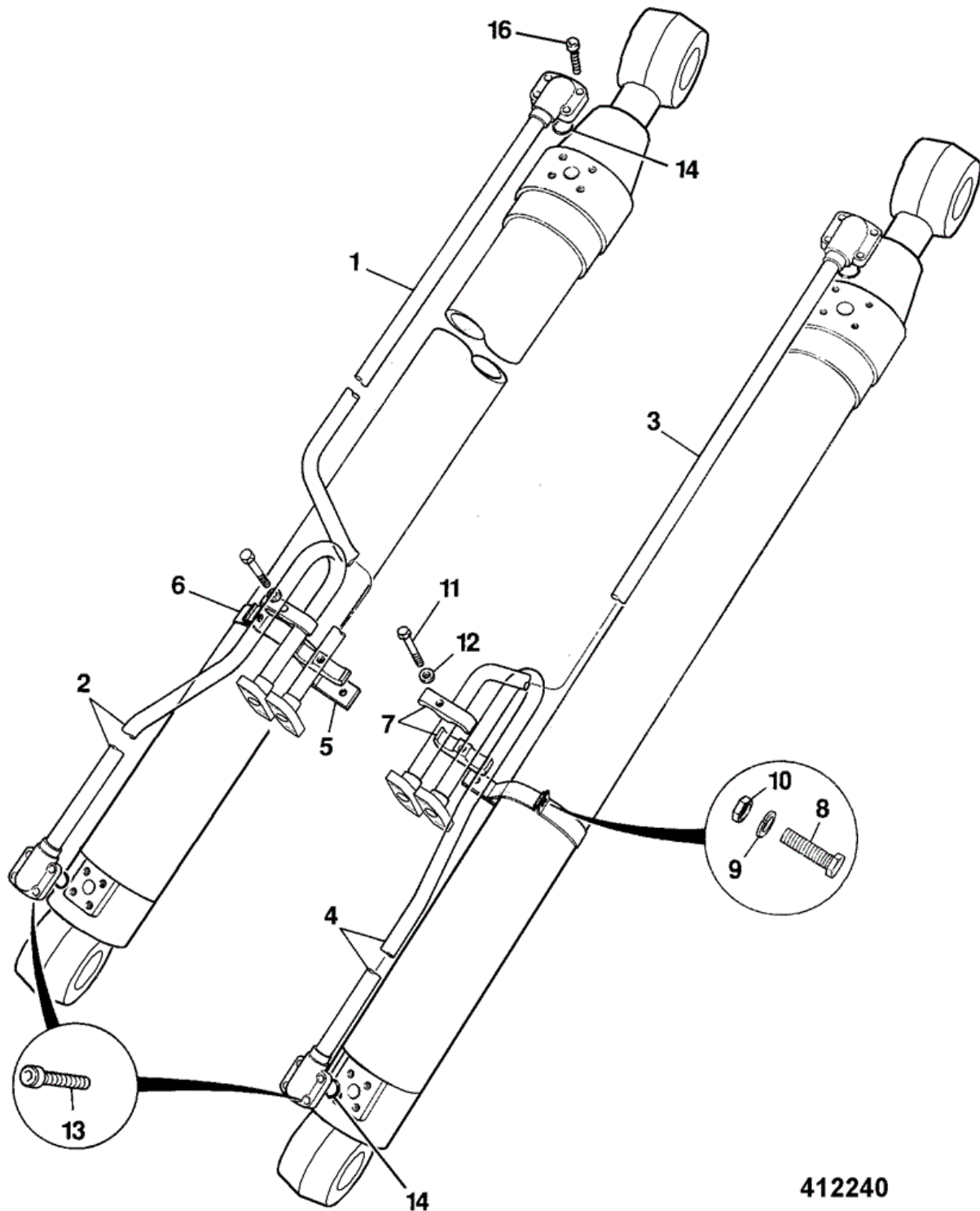


Item	Part #	Change No	Description	Usage Code	QTY
A	331/42426		Ram boom		2
1	****		None serviced part		1
2	:903/21393		Bush pin		1

3	:903/21053		Rod Piston, Boom ram D100mm x L1970mm		1
4	:903/21395		Bush pin		1
5	:903/21054		Head Cylinder		1
6	:903/21027		Bush		1
7	:903/21028		Ring retaining		1
8	:903/21055		Ring cushion		1
9	:903/21030		Piston		1
10	:903/21031		Nut piston		1
11	:826/01832		Screw grub		1
12	:1391/3718		Capscrew		14
13	:903/21396		Wiper pin bushing		2
14	:903/21397		Wiper pin bushing		2
15	:6900/0723		Nipple grease		1
16	:903/20799		Cap Grease Nipple cover		1
17	:903/21024		Kit-repair Boom ram 100mm rodx140mm cyl		1
17A	::332/H6490		Ring dust		2



9802/5920 E4-1-11 RAM, BOOM STANDARD ASSEMBLY



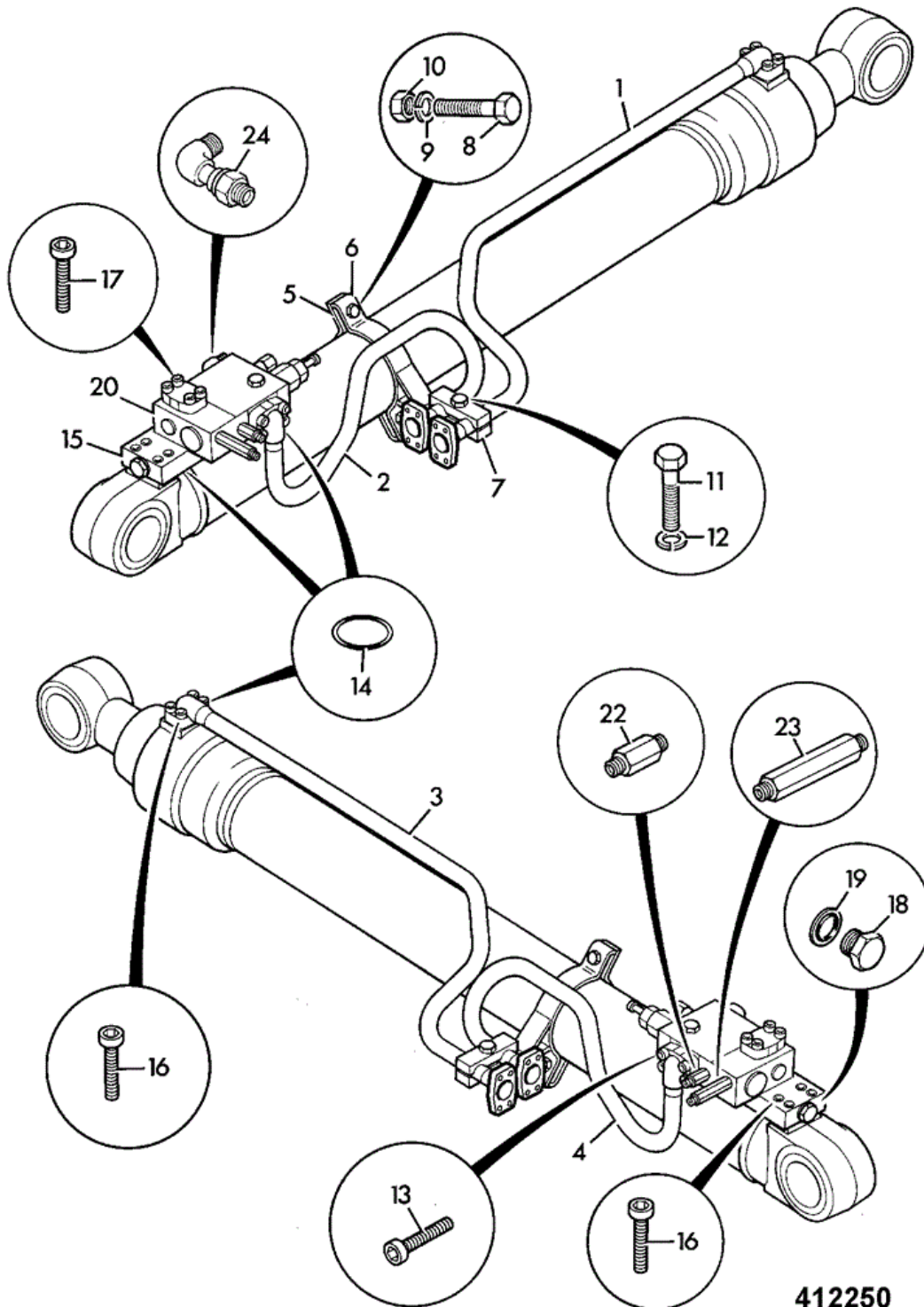
412240

Item	Part #	Change No	Description	Usage Code	QTY
1	JSV0213	<DEC-2004	Pipe boom lift left hand		1
1	830/12122		Pipe boom lift left hand none HBCV		1
2	JSV0279	<DEC-2004	Pipe boom lift left hand none HBCV		1

2	830/12120		Pipe boom lift left hand none HBCV		1
3	JSV0211	<DEC-2004	Pipe boom lift right hand		1
3	830/12124		Pipe boom lift right hand none HBCV		1
4	JSV0277	<DEC-2004	Pipe boom lift right hand none HBCV		1
4	830/12123		Pipe boom lift right hand none HBCV		1
5	KSV0759		Clamp		2
6	JSV0251		Clamp		2
7	KSJ0786		Clamp pipe		4
8	1316/3410D		Bolt		4
9	1425/0008D		Washer Spring M10		4
10	1371/0303D		Nut M10 grade 10.9		4
11	1316/3518D		Bolt		2
12	1425/0009D		Washer M12 spring		2
13	1391/3509Z		Capscrew		8
14	2400/0210	Superseded	O Ring		4
14	2407/0210		O Ring		4
15	1371/0403D		Nut		2
16	1391/3509D		Capscrew M12x35mm		8



9802/5920 E4-1-21 RAM, BOOM H.B.C.V. ASSEMBLY



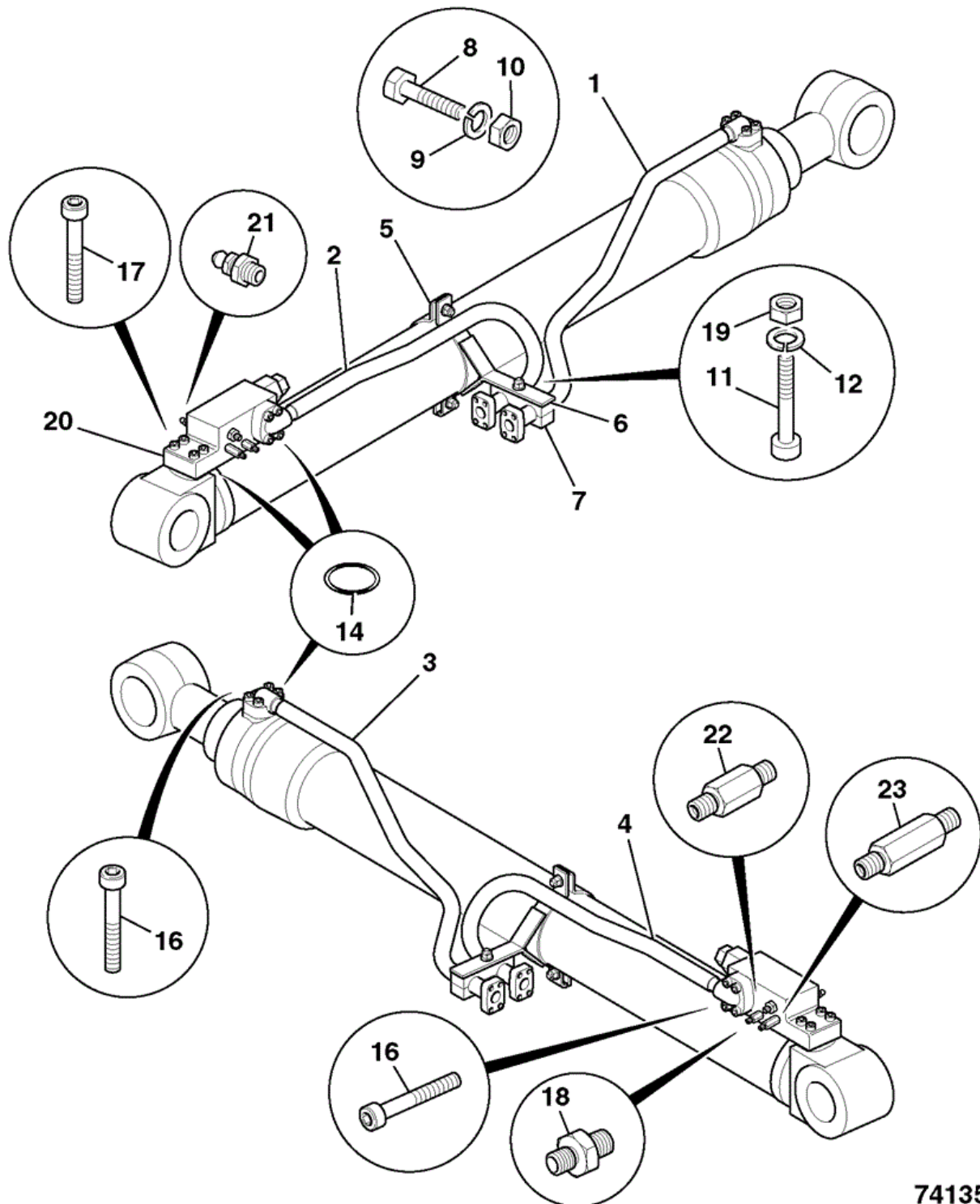
412250

Item	Part #	Change No	Description	Usage Code	QTY
1	JSV0213		Pipe boom lift left hand		1
2	JSV0287		Pipe left hand boom lift HBCV		1
3	JSV0211		Pipe boom lift right hand		1

4	JSV0288		Pipe right hand boom lift HBCV		1
5	KSV0759		Clamp		2
6	JSV0251		Clamp		2
7	KSJ0786		Clamp pipe		4
8	1316/3410Z		Bolt M10x40		4
9	1425/0008Z		Spring Washer		4
10	1371/0301Z		Nut High Strength, M10		4
11	1316/3518Z		Bolt		2
12	1425/0009Z		Washer Spring M12		2
12-1	1371/0401Z		Nut Hex 12		2
13	1391/3510Z		Capscrew M12x40		8
14	2400/0210	Superseded	O Ring		6
14	2407/0210		O Ring		6
15	JSV0247		Manifold block <i>LH</i>		1
15-1	JSV0248		Manifold <i>RH</i>		1
16	1391/3510Z		Capscrew M12x40		8
16-1	1391/3516Z		Capscrew		8
17	1391/3521Z		Bolt		8
18	G8/7		Plug		2
19	1406/0026		Washer Seal		2
20	JSV0372		Valve hose burst		2
20A	:6900/0067		O Ring		1
20B	:6900/0068		Ring anti-extrusion		1
20C	:6900/0304		Kit-seal dipper holding valve		1
22	JHV0215		Adapter		2
23	JHV0216		Adapter		2
24	JHJ0037	Superseded	Adapter elbow 9/16UNF-3/8BSP		2
24	816/90548		Adaptor elbow M/M		2
24-1	JHJ0038		Adaptor elbow 7/8"UNF-1/2BSP		2



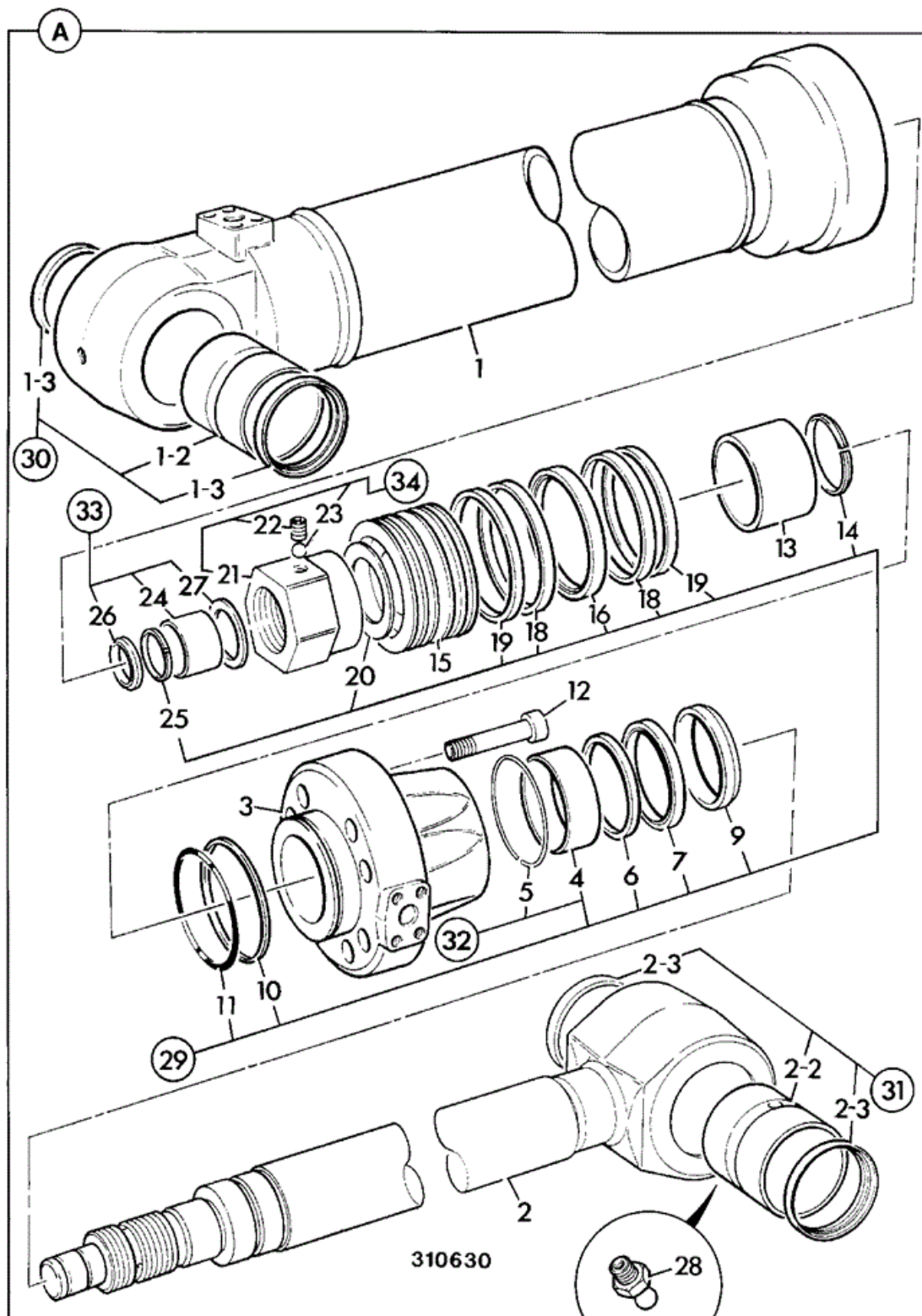
9802/5920 E4-1-22 RAM, BOOM H.B.C.V. ASSEMBLY



741350

Item	Part #	Change No	Description	Usage Code	QTY
1	830/12122		Pipe boom lift left hand none HBCV		1
2	830/12129		Pipe left hand boom ram piston side HBCV		1
3	830/12124		Pipe boom lift right hand none HBCV		1

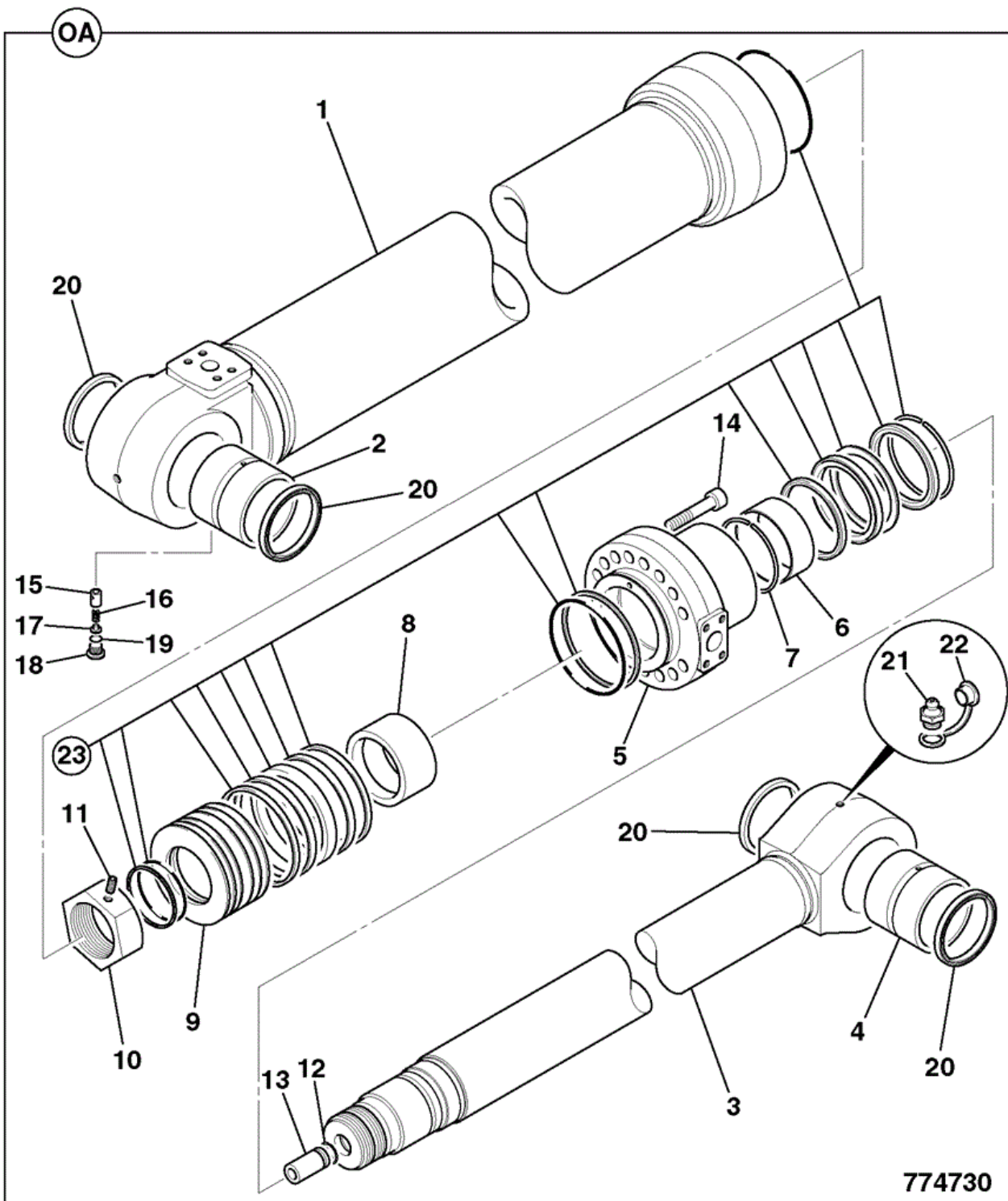
4	830/12130		Pipe right hand boom ram rod side HBCV		1
5	331/50023		Clamp cylinder		2
6	335/09251		Bracket cylinder pipe clamp		2
7	KSJ0786		Clamp pipe		4
8	1316/3410D		Bolt		4
9	1420/0008D		Washer (M10)		4
10	1370/0303D		Nut Self Lock M10		4
11	1316/3518D		Bolt		2
12	1420/0009D		Washer (M12)		2
13	1391/3409D		Capscrew M10x35mm		16
14	2407/0210		O Ring		4
16	1391/3510D		Capscrew		8
17	1391/3513D		Capscrew		4
18	816/17060		Adapter reducing		2
19	1371/0403D		Nut		2
20	25/222383		Valve HBCV boom ram		2
20A	:904/20338		Kit Seal HBCV		1
21	816/13417		Nipple bleed 9/16 UNF		2
22	JHV0215		Adapter		2
23	JHV0216		Adapter		2



Item	Part #	Change No	Description	Usage Code	QTY
A	331/17532		Ram Arm		1
1	:331/21168	Superseded	Cylinder assy		1
1	:903/20223		Cylinder assy		1
1-2	::6900/0847		Bush		1
1-3	::6900/0848		Seal wiper		2
2	:903/20211	Superseded	Rod Piston		1
2	:903/20224		Rod Piston		1
2-2	::6900/0847		Bush		1
2-3	::6900/0848		Seal wiper		2
3	903/20212	Superseded	Cap End		1
3	903/20225		Cap end		1
4	****		None serviced part		1
5	****		None serviced part		1
6	****		None serviced part		1
7	****		None serviced part		1
9	****		None serviced part		1
10	****		None serviced part		1
11	****		None serviced part		1
12	903/20213		Screw		12
13	903/20214		Ring Cushion		1
14	903/20215	Superseded	Ring		1
14	903/20222		Kit seal		1
15	903/20216		Piston		1
16	****		None serviced part		1
18	****		None serviced part		2
19	****		None serviced part		2
20	****		None serviced part		1
21	903/20217	Superseded	Nut		1
21	903/20226		Nut		1
22	****		None serviced part		1
23	****		None serviced part		1
24	903/20218	Superseded	Ring Cushion		1
24	****		None serviced part <i>Use 903/20227</i>		1
25	903/20219	Superseded	Ring		1
25	903/20222		Kit seal		1
26	903/20220		Stopper		2
27	903/20221		Ring Snap		1
28	6900/0753		Nipple grease		1
29	903/20222		Kit seal <i>Inc's items 4,6,7,9,10,11,14,16,18,19,20,25.</i>		1
30	903/20223		Cylinder assy <i>Includes items 1,1.2 & 1.3</i>		1
31	903/20224		Rod Piston <i>Includes items 2,2.2 & 2.3</i>		1
32	903/20225		Cap end <i>Repair kit for item 3 includes 4,5.</i>		1
33	903/20227		Kit Cushion repair <i>Includes items 24,26,27.</i>		1
34	903/20226		Nut <i>Repair kit,nut includes 22,23.</i>		1



9802/5920 E4-2-2 RAM, DIPPER (ARM)

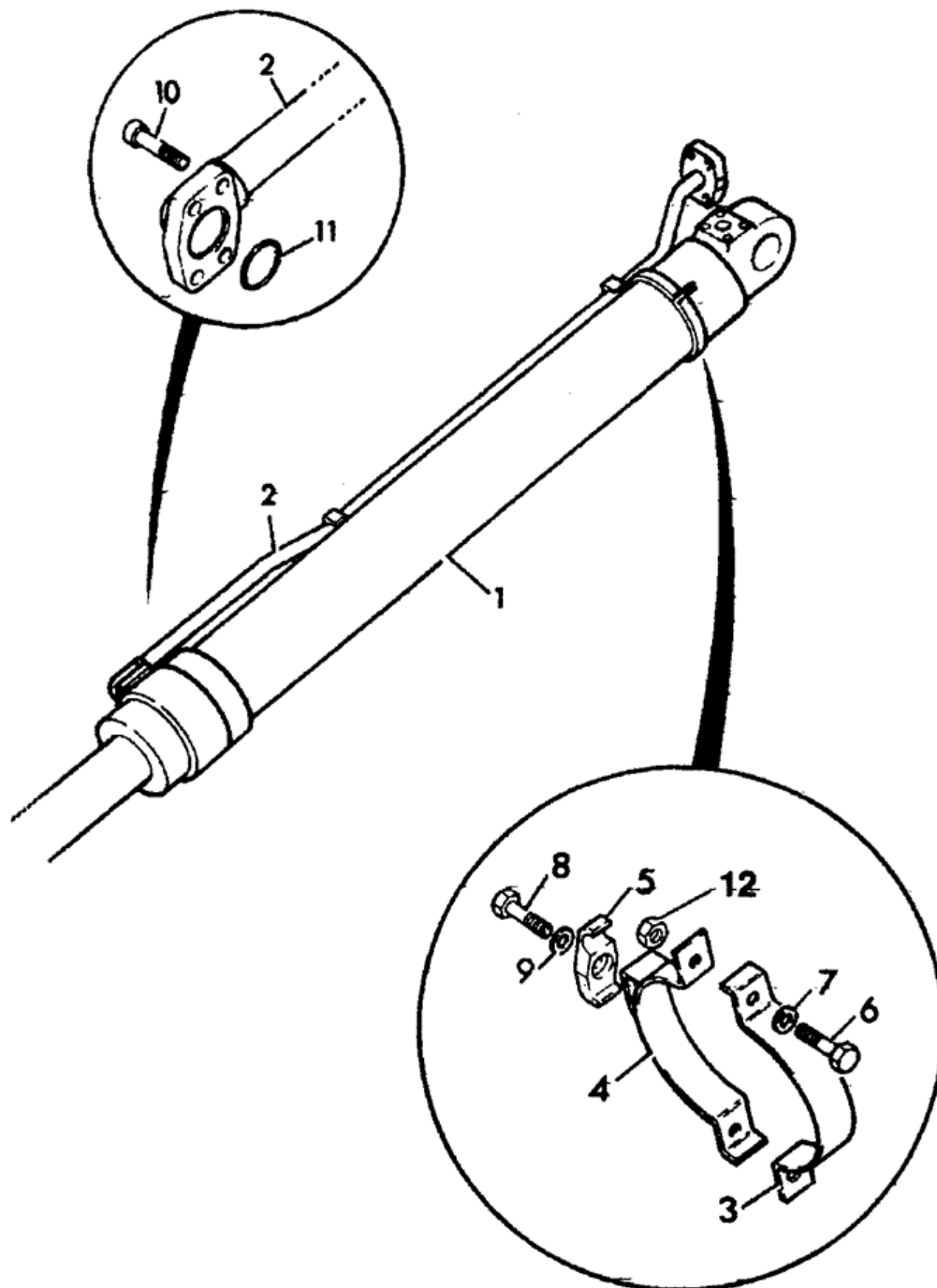


Item	Part #	Change No	Description	Usage Code	QTY
A	331/42428		Ram arm		1
1	****		None serviced part		1
2	:903/21057		Bush		1

3	:903/21056		Rod Piston	1
4	:903/21057		Bush	1
5	:903/21058		Head Piston	1
6	:903/21059		Bush	1
7	:903/21060		Ring retaining	1
8	:903/21062		Ring cushion	1
9	:903/21063		Piston	1
10	:903/21064		Nut piston	1
11	:826/01832		Screw grub	1
12	:903/21065		Plunger cushion	1
13	:903/21066		Ring stop	1
14	:826/01479		Capscrew M18 x 80mm long	16
15	:903/21067		Valve check	1
16	:903/21035		Spring	1
17	:903/21036		Spring support	1
18	:32/925712		Plug	1
19	:828/10343		O Ring	1
20	:903/21068		Seal wiper	4
21	:6900/0723		Nipple grease	1
22	:903/20799		Cap Grease Nipple cover	1
23	:903/21061		Kit-repair dipper ram	1
23	::332/H6493		Ring dust	2



9802/5920 E4-2-11 RAM, DIPPER STANDARD, ASSEMBLY



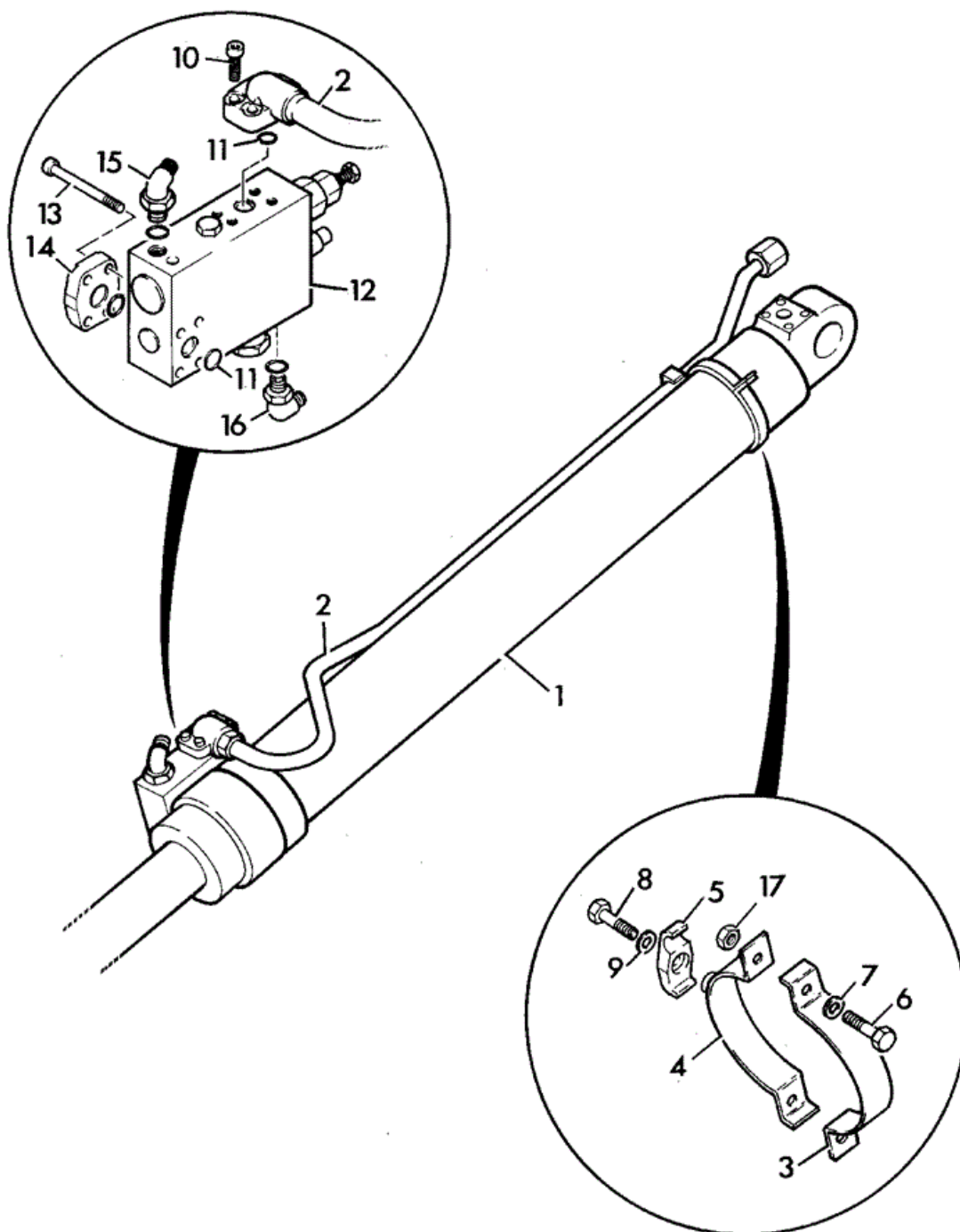
251783

Item	Part #	Change No	Description	Usage Code	QTY
1	331/17532	<DEC-2004	Ram Arm		1
1	331/42428		Ram arm		1

2	830/10568	<DEC-2004	Pipe assembly		1
2	830/12125		Pipe arm ram none HBCV		1
3	KSV0773		Clamp		1
4	JSV0283		Clamp		1
5	JRV0278		Clamp Pipe		1
6	1316/3410Z		Bolt M10x40		4
7	1425/0008D		Washer Spring M10		2
8	1316/3717D		Bolt M16 x 75		1
9	1425/0011D		Washer spring		1
10	1391/3612D		Capscrew M14 x 50mm		4
11	2400/0213		O Ring		1
12	1371/0303D		Nut M10 grade 10.9		2



9802/5920 E4-2-21 RAM, DIPPER H.B.C.V., ASSEMBLY



251421

Item	Part #	Change No	Description	Usage Code	QTY

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