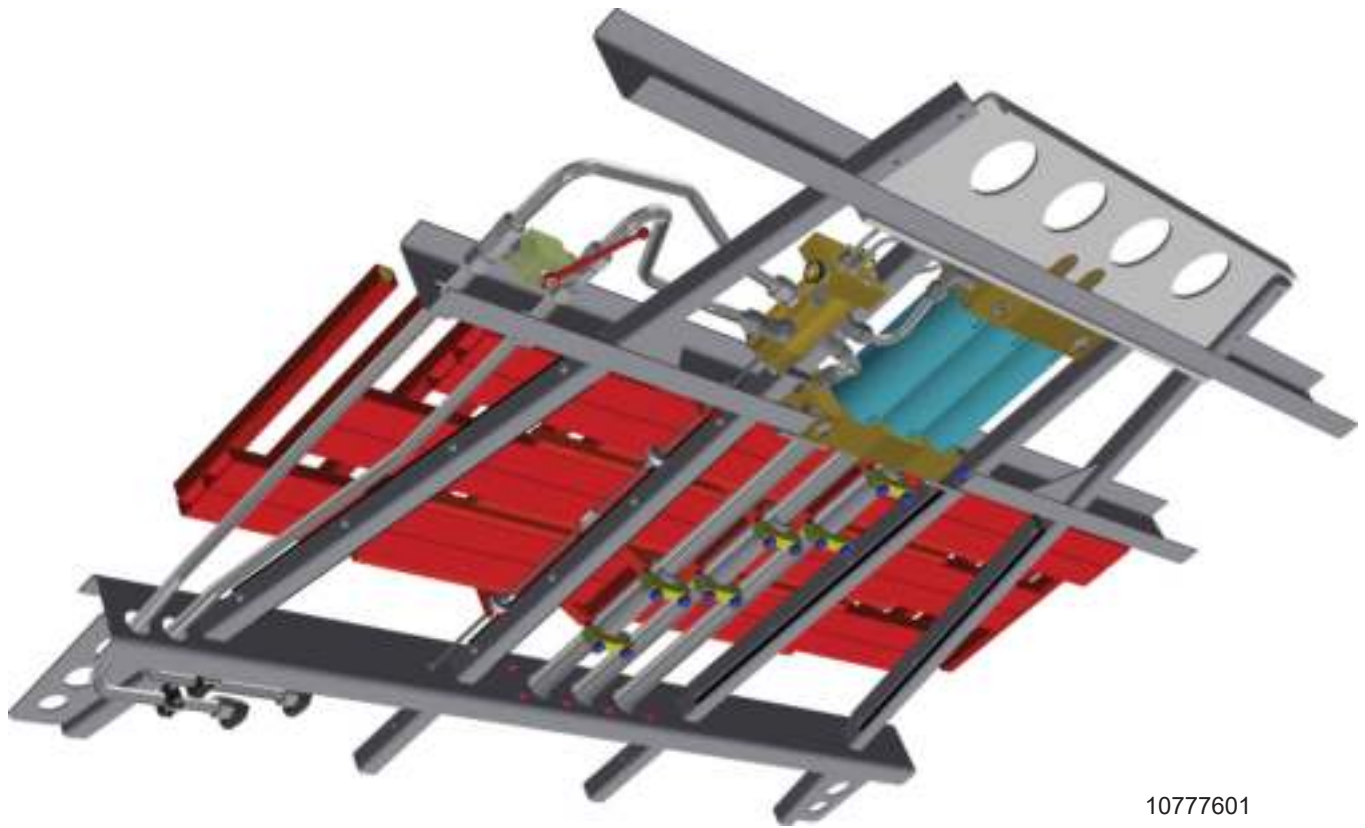




KICD - Container Drive

KEITH Manufacturing Co.
www.KeithWalkingFloor.com
World Headquarters
Toll-Free: 800-547-6161
Phone: +1-541-475-3802

Europe Headquarters
Phone: +31-342-422007



10777601



PARTS CATALOG

Original Instructions

©2022 KEITH Manufacturing Co. All Rights Reserved. KEITH, KEITH logo and WALKING FLOOR are registered trademarks of KEITH Manufacturing Co. Equipment manufactured by KEITH Manufacturing Co. is protected by numerous patents both domestic and foreign.

Released: 2022-01-18

DOC06438 Rev. B

Table of Contents

Contact Information - KEITH Manufacturing Co.....	ii
Service Information.....	iii
Frame Assembly.....	1
Cross-Drive Support Assembly.....	2
Cross-Drive Assembly.....	3
Cylinder Identification.....	4
Cylinder #1 Parts Identification.....	5
Cylinder #2 Parts Identification.....	6
Cylinder #3 Parts Identification.....	7
Switching Valve Assembly - Inside Detail.....	10
Switching Valve Assembly - Outside Detail.....	11
Hydraulic Tubes & Clamps.....	14
Manual On/Off Ball Valve Assembly.....	16

Contact Information - KEITH Manufacturing Co.

World Headquarters - USA

401 NW Adler St.
P.O. Box 1
Madras, OR 97741
Toll-Free: 800-547-6161
Phone: +1-541-475-3802
Email: Sales@KeithWalkingFloor.com

Europe Headquarters

Barneveld, The Netherlands
Phone: +31-342-422007
Email: EuroSales@KeithWalkingFloor.com

Canada

Brantford, ON
Phone: +1-519-756-9178
Email: CanadaSales@KeithWalkingFloor.com

México

Guadalajara, Jal.
Phone: +52-333-616-5079
Email: KMC_Mexico@KeithWalkingFloor.com

Australia

Waverley Gardens, VIC
Phone: +61-3-9562-2190
Email: AUSales@KeithWalkingFloor.com

Not all parts or services available in all regions. Contact your regional office for information on available parts and services.

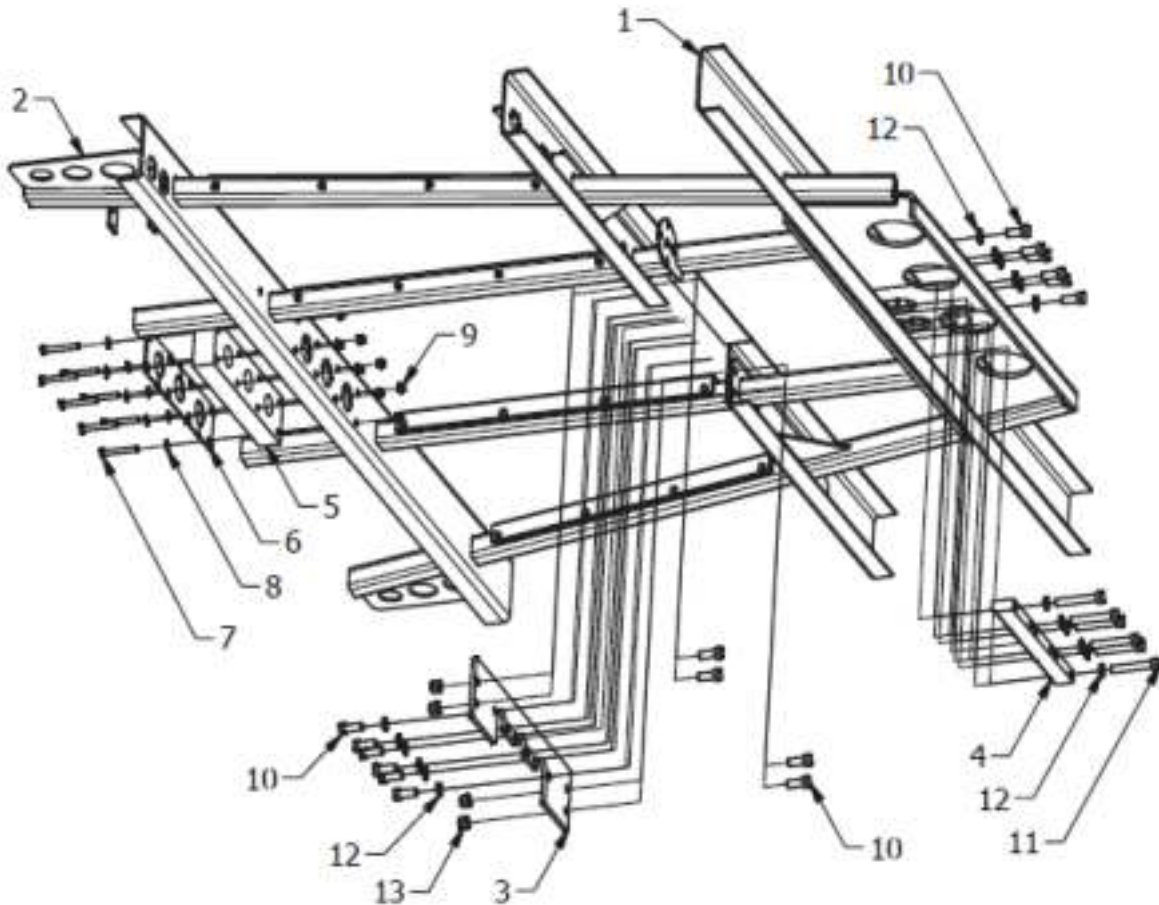
Service Information

- Use hydraulic oil or Vaseline to lubricate seals. Do NOT use grease.
- **IMPORTANT:** When you perform welding on the system, the part on which welding is performed must be directly connected to earth (properly grounded). Failure to do so can short across component assemblies ruining seals and gaskets.
- KEITH sells flow meters, pressure testers for troubleshooting and several tools to aid in rebuilding components and drives.

Please have the following information readily available before contacting KEITH for support:

- Model Number (Located on the Serial Plate of the drive unit)
- Serial Number (Located on the Serial Plate on the drive unit)
- Quantity & Length of floor slats
- Vehicle make and unit installer

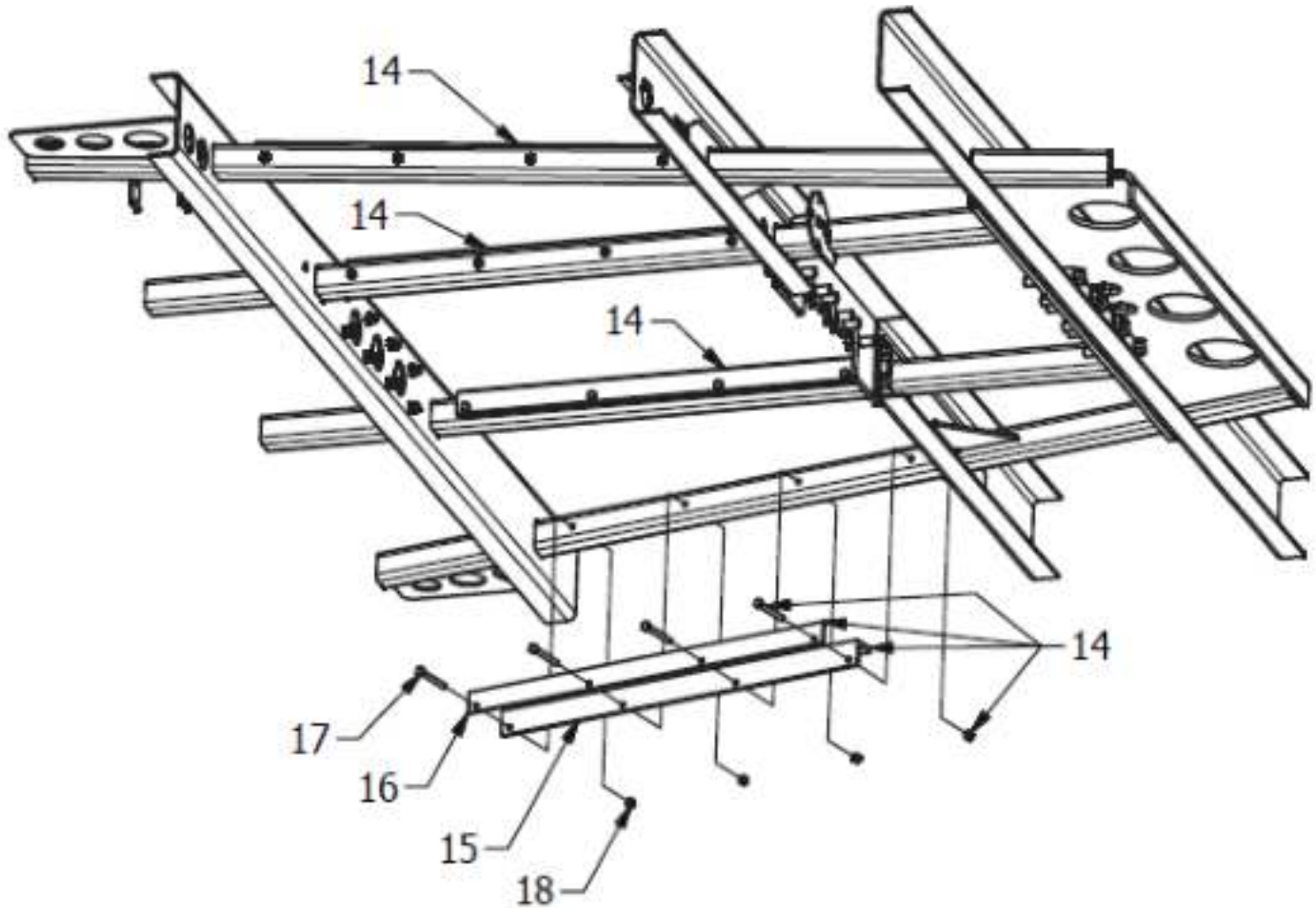
Frame Assembly



Frame Assembly

ID#	QTY	PART #	DESCRIPTION
1	1		Drive Frame Assembly
			Includes items 2 - 13
2	1	07474301	Drive Frame
3	1	07474601	Load End Cylinder Mount Plate
4	1	05200001	Cylinder Bolt Bar Spacer
5	1	05198101	UHMW Guide Bearing Block
6	1	05198201	Guide Block Retainer
7	8	87010000	Bolt Hex 10.9 M10 x 80mm
8	8	87076000	Washer Flat M10
9	8	87102000	Nut Hex Nylock M10
10	16	87006000	Bolt Hex 10.9 M16 x 40mm
11	6	87017890	Bolt Hex 10.9 M16 x 100mm
12	18	87078000	Washer Lock M16
13	4	87103010	Nut Hex Nylock M16

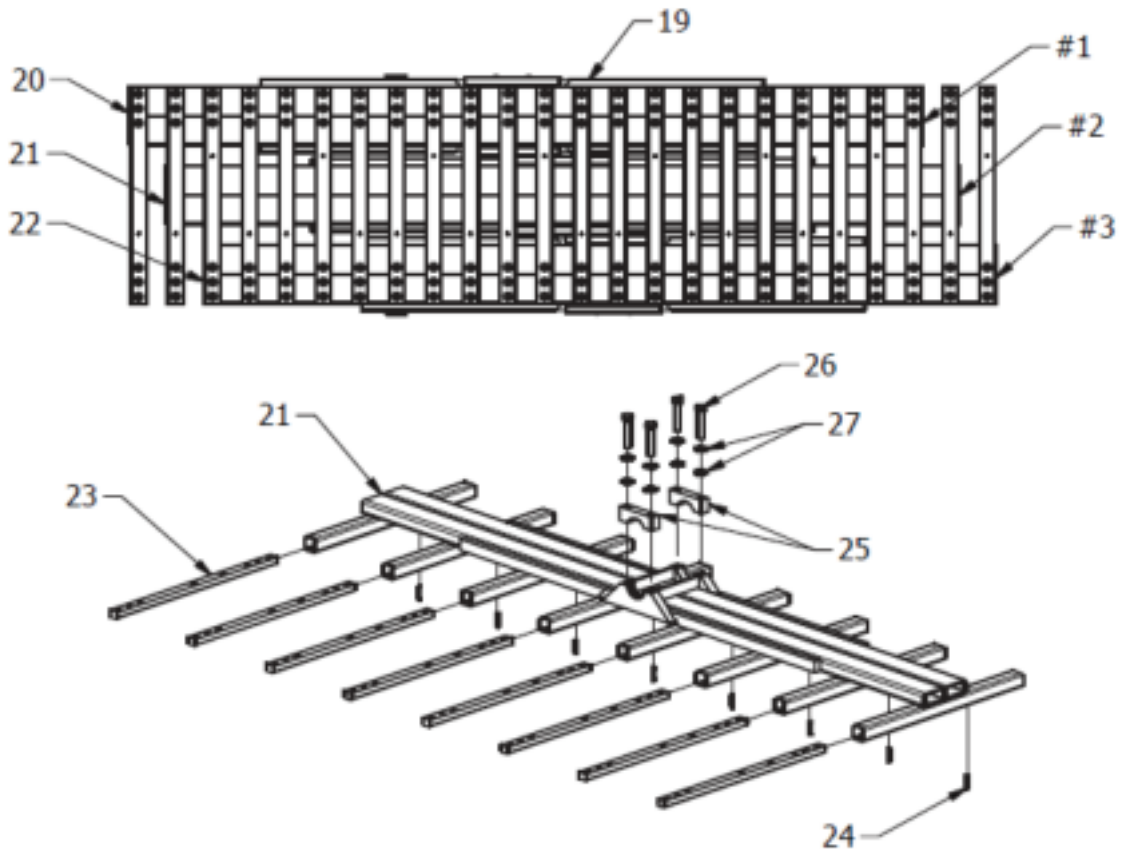
Cross-Drive Support Assembly



Cross-Drive Support Assembly

ID#	QTY	PART #	DESCRIPTION
14	1	07526602	Cross Drive Support Assembly Includes items 15 - 18
15	1	07526601	Bearing UHMW Cross-Drive Support
16	1	07526001	Clamp Plate Cross-Drive Support
17	4	87006450	Bolt Hex M8x80
18	4	87101000	Nut Hex Nylock M8

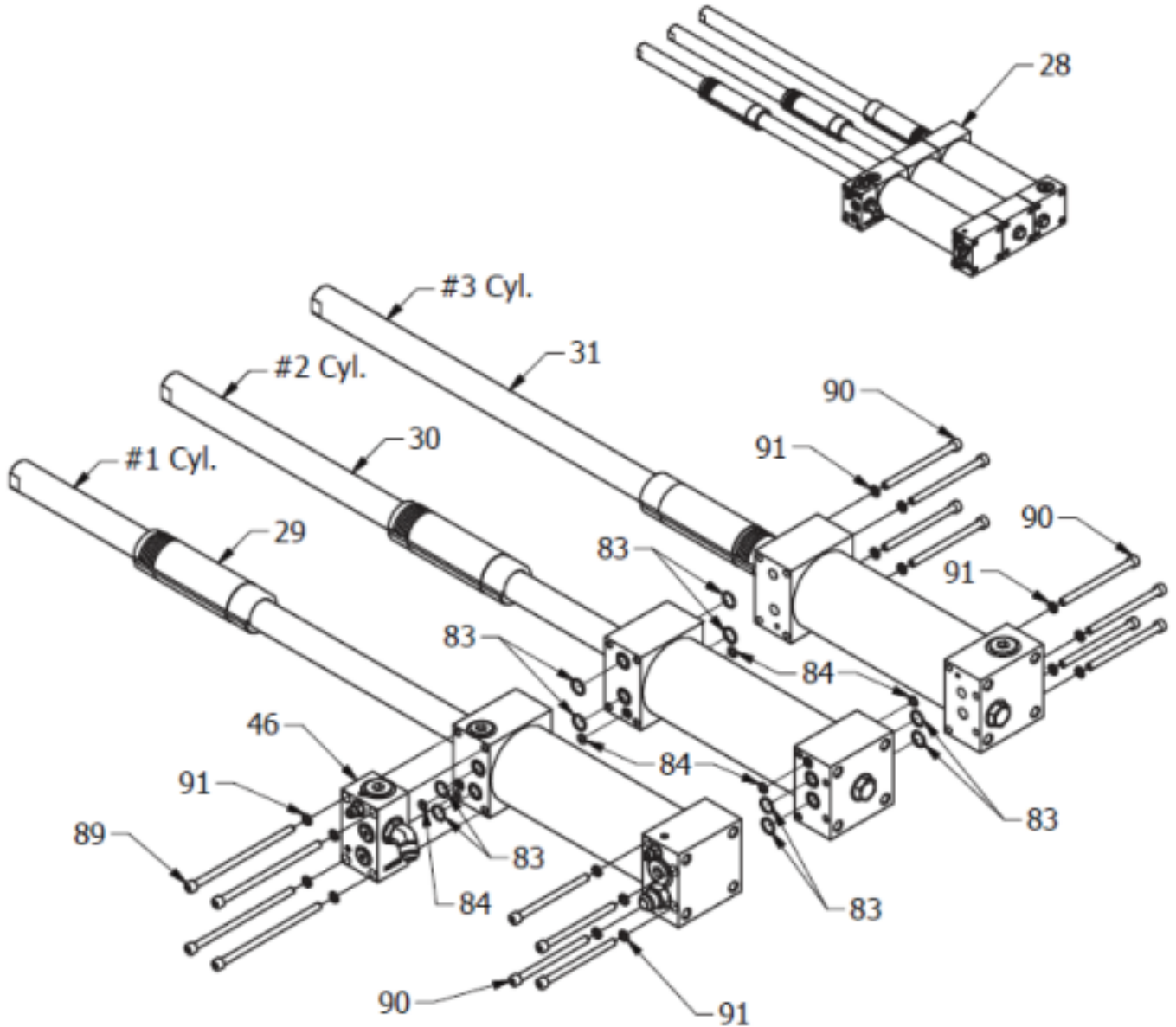
Cross-Drive Assembly



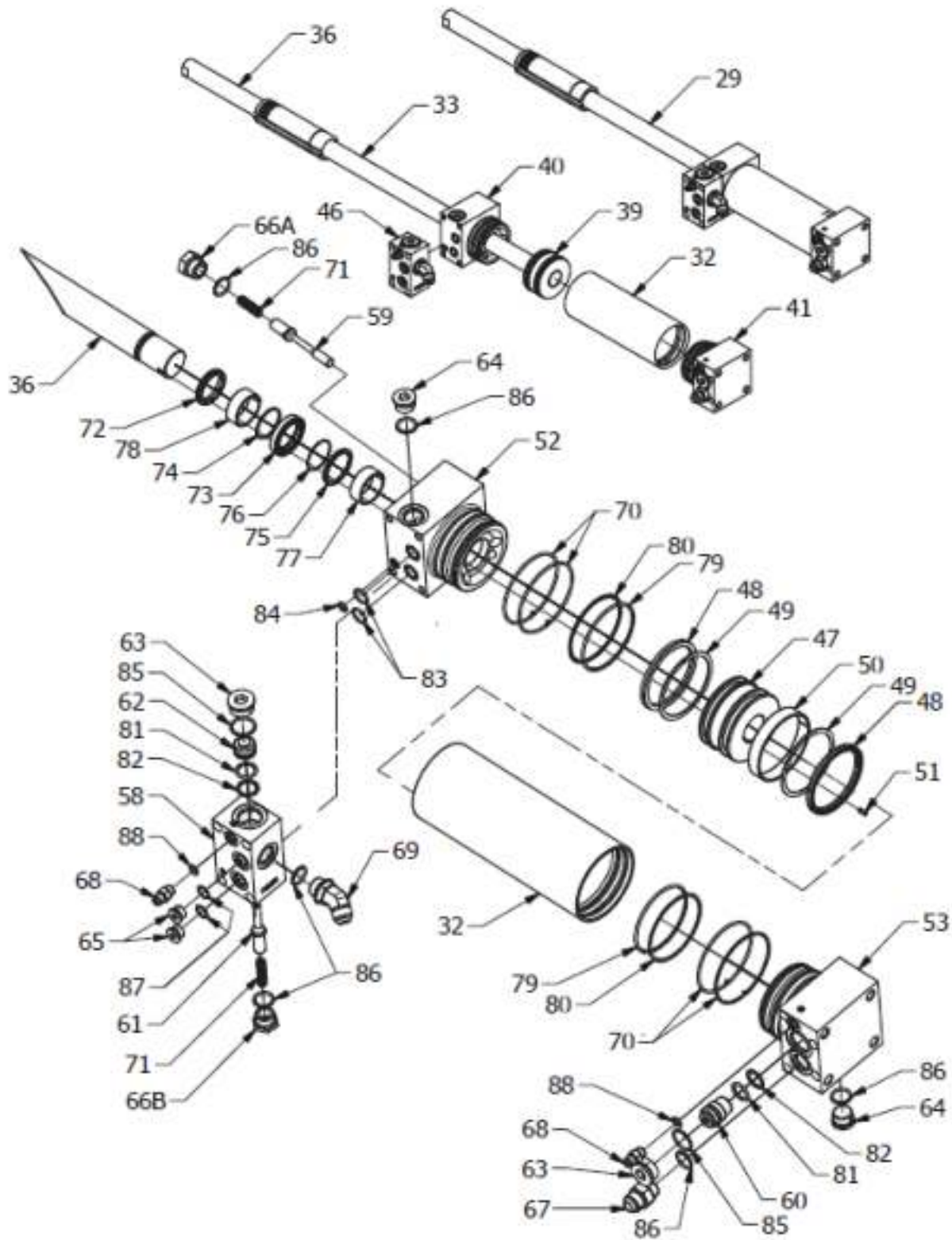
Cross-Drive Assembly

ID#	QTY	PART #	DESCRIPTION
19	1	07534401	Cross-Drive Set, 24 Slat, 3.65" Slat Centers
20	1	07534402	Cross-Drive 24 Slat, 3.65" Slat Centers #1
21	1	07534403	Cross-Drive 24 Slat, 3.65" Slat Centers #2
22	1		Cross-Drive 24 Slat, 3.65" Slat Centers #3
19	1	07872301	Cross-Drive Set, V18 Slat, 5.0" Slat Centers
20	1	07872302	Cross-Drive V18 Slat, 5.0" Slat Centers #1
21	1	07872303	Cross-Drive V18 Slat, 5.0" Slat Centers #2
22	1		Cross-Drive V18 Slat, 5.0" Slat Centers #3
			Includes items 23-27
23	1/Shoe	05755202	Bolt Bar Drive Shoe
24	1/Shoe	86651450	Roll Pin 1/4 x 1-1/2"
25	2/X-Dr.	07460901	Clamp KICD Lower Cross-Drive
26	4/X-Dr.	87017010	Bolt Hex 10.9 M16 x 80mm w/Patch-Lock
27	4/X-Dr.	86559090	Washer Wedge Lock M16

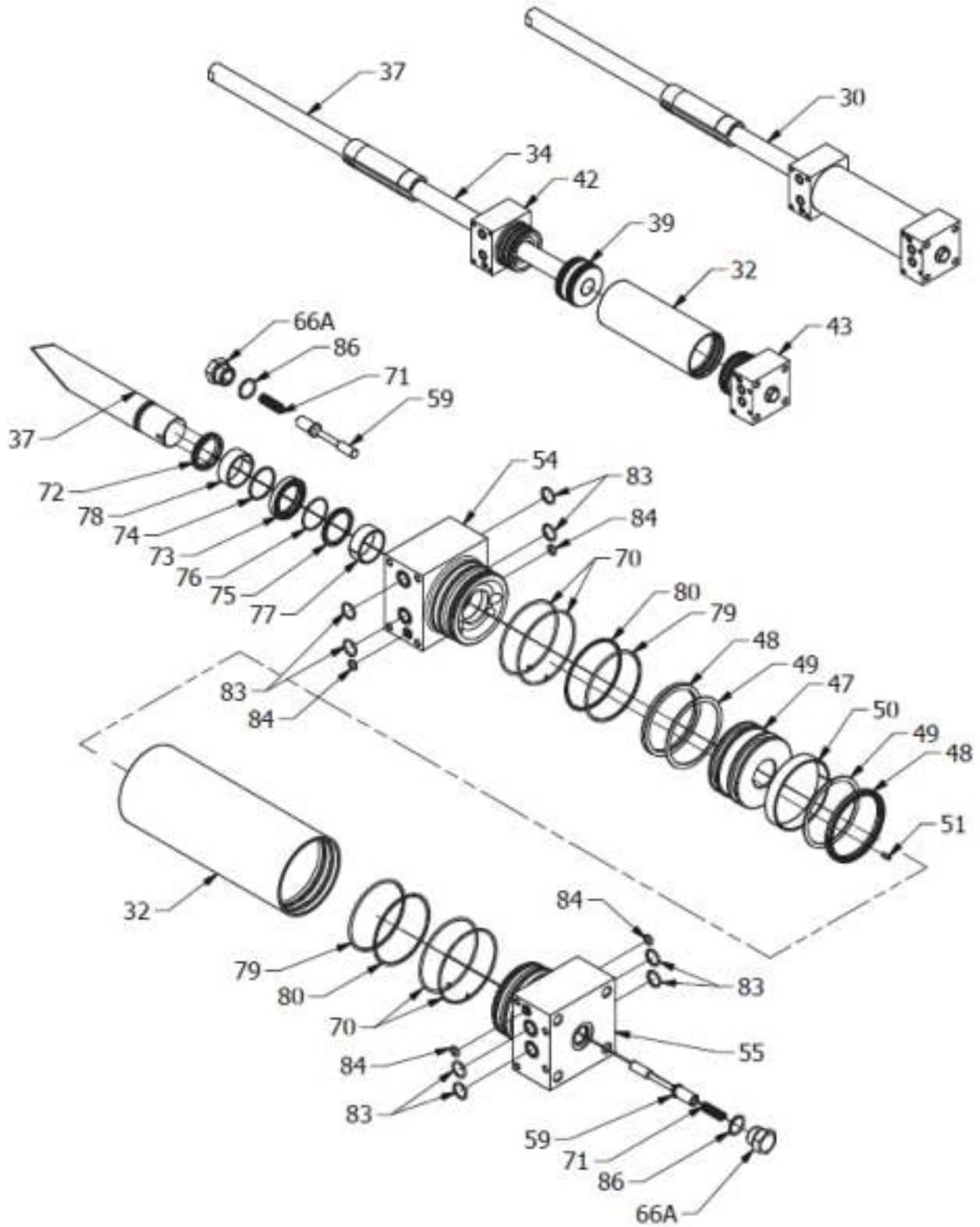
Cylinder Identification



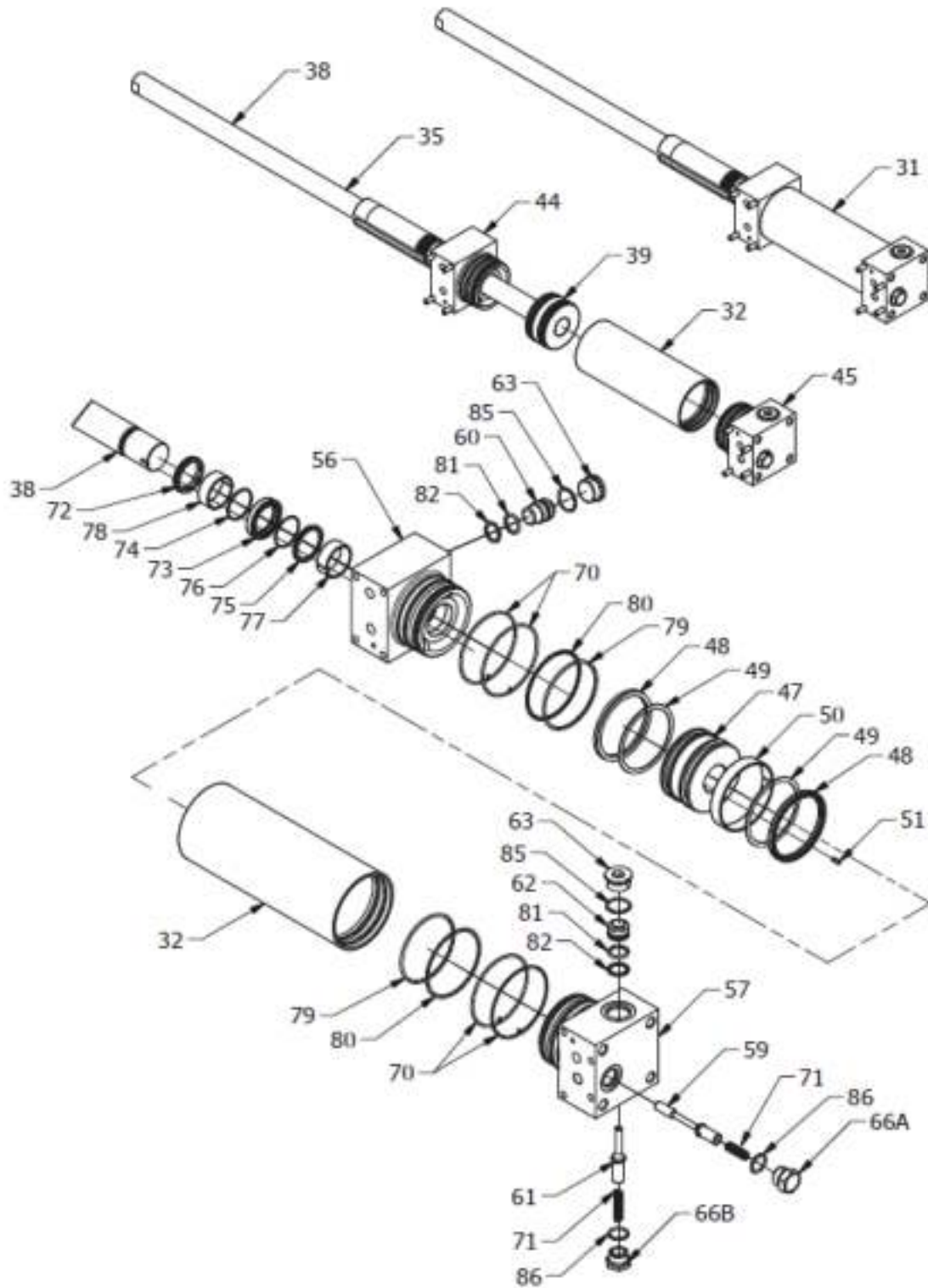
Cylinder #1 Parts Identification



Cylinder #2 Parts Identification



Cylinder #3 Parts Identification



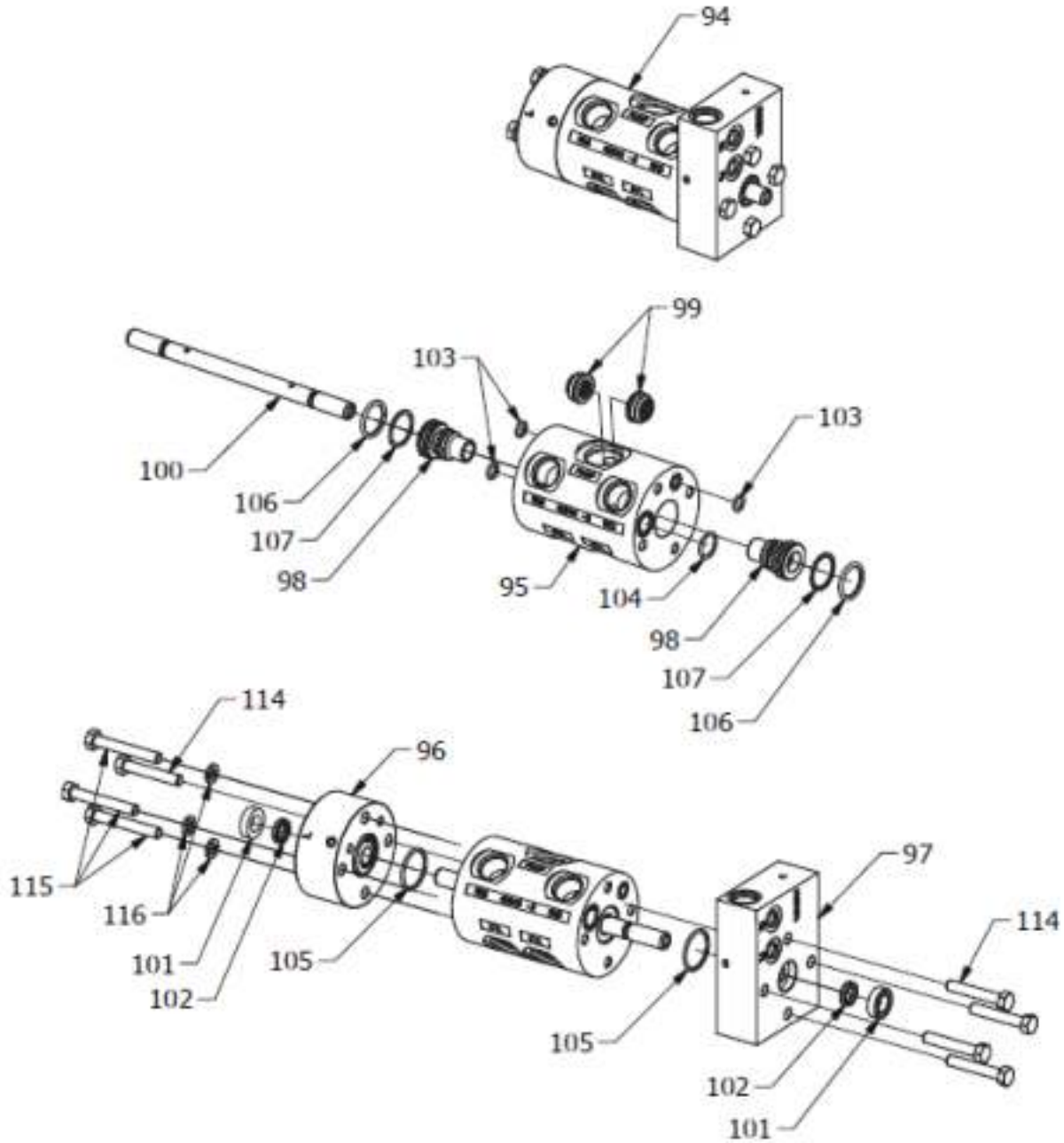
Cylinder Assembly

ID#	QTY	PART #	DESCRIPTION
28	1	07413302	Cylinder Pack Assembly Includes items 29 - 31
29	1	07365301	Cylinder #1 Assembly
30	1	07365401	Cylinder #2 Assembly
31	1	07365501	Cylinder #3 Assembly Parts listed below are for One Cylinder
32	1	07412901	Barrel 4.25" Cylinder
33	1	07412001	#1 Rod Assy. w/Piston & Head Assembly Includes items 36, 39 & 40
34	1	07412002	#2 Rod Assy. w/Piston & Head Assembly Includes items 37, 39 & 42
35	1	07412003	#3 Rod Assy. w/Piston & Head Assembly Includes items 38, 39 & 44
36	1	07411901	#1 Rod Assembly
37	1	07411902	#2 Rod Assembly
38	1	07411903	#3 Rod Assembly
39	1	07413202	Piston Assembly Includes items 47 - 51
40	1	07413402	Rod Head Assembly #1 Cylinder Includes items 52, 59, 64, 66, 70(2) 71-80, 83(2) & 84
41	1	07413502	Blind Head Assembly #1 Cylinder Includes items 53, 60, 63, 64, 70(2), 79, 80
42	1	07413602	Rod Head Assembly #2 Cylinder Includes items 54, 59, 66, 70(2) 71-80, 83(4) & 84(2)
43	1	07413702	Blind Head Assembly #2 Cylinder Includes items 55, 59, 66, 70(2), 79, 80, 83(4), 84(2)
44	1	07413802	Rod Head Assembly #3 Cylinder Includes items 56, 60, 63, 70(2) 72-82
45	1	07413902	Blind Head Assembly #3 Cylinder Includes items 57, 59, 61-63, 66, 70(2), 71, 79-82
46	1	07467902	Restrictor Valve Assembly #1 Cylinder Includes items 58, 61-66, 81 & 82
47	1	07413201	Piston 4.25"
48	2	84352510	Seal Piston Cylinder 425
49	2		Seal Back-Up Ring included w/Seal Piston
50	1	84403850	Wear Ring Piston 425
51	1	86650400	Pin Drive Lock 3/16" x 1/2"
52	1	07413401	Rod Head Body #1 Cylinder
53	1	07413501	Blind Head Body #1 Cylinder

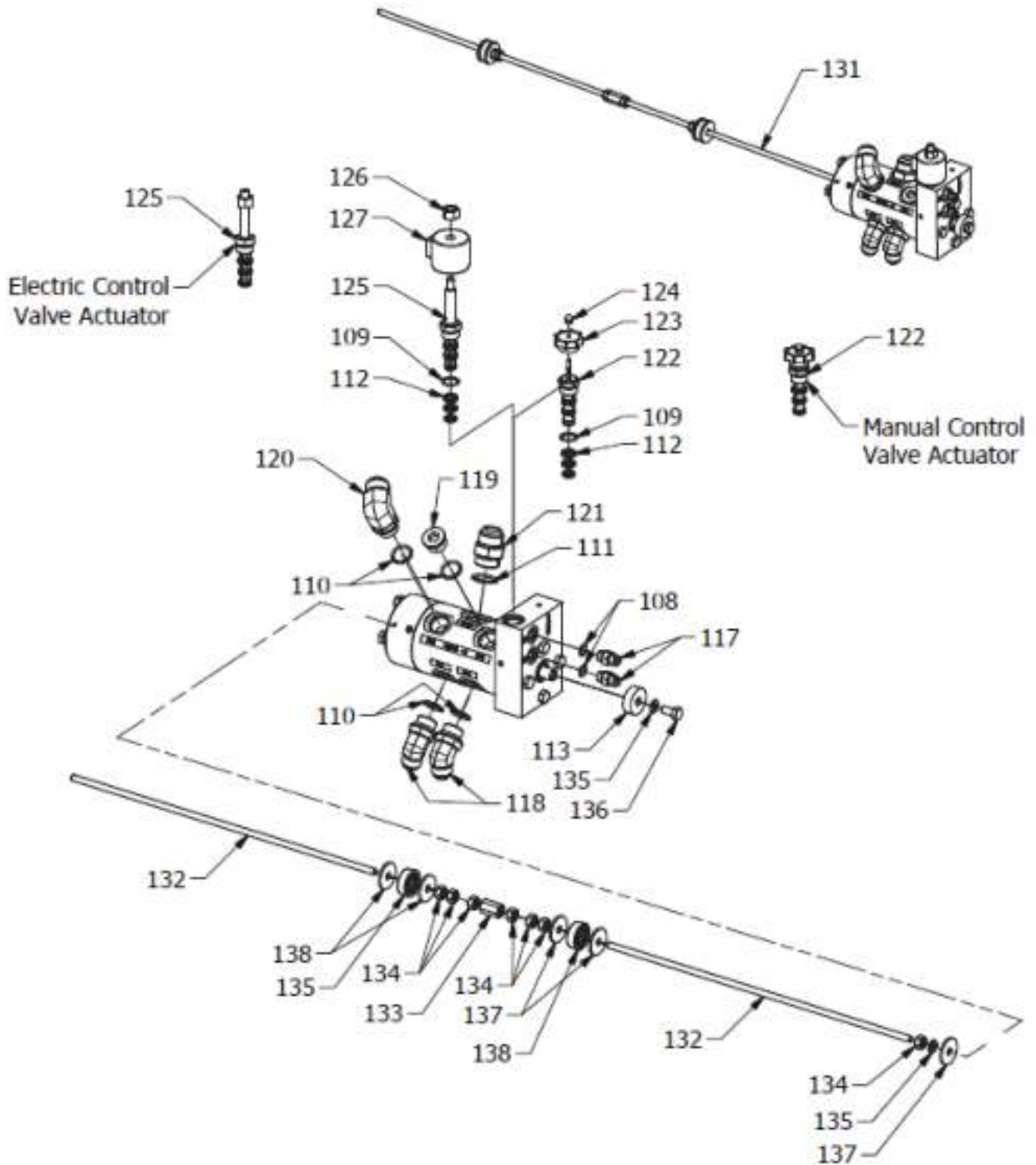
Cylinder Assembly

ID#	QTY	PART #	DESCRIPTION
54	1	07413601	Rod Head Body #2 Cylinder
55	1	07413701	Blind Head Body #2 Cylinder
56	1	07413801	Rod Head Body #3 Cylinder
57	1	07413901	Blind Head Body #3 Cylinder
58	1	07467901	Restrictor Valve Body
59	1	07416001	Check Valve Internal
60	1	07414001	Control Valve
61	1	07415301	Restrictor Valve
62	1	07457701	Piston Restrictor Valve
63	2	84687900	O-Ring Socket Plug -16
64	2	64687700	O-Ring Socket Plug -12
65	2	84687500	O-Ring Socket Plug -08
66A	4	07549401	Check Valve Spring End Cap
66B	2	07415401	Restrictor Valve Spring End Cap
67	1	84685000	6400-12-12 Straight Connector
68	2	84684000	6400-06-06 Straight Connector
69	1	84691950	6802-12-12 O-Ring 45° Elbow
70	4	06201701	Lock Wire 425 Head Cylinder
71	2	84453400	Spring Check Valve
72	1	84426605	Wiper Rod Cylinder 45mm
73	1	84354200	Seal Rod Cylinder 45mm
74	1	w/Seal	Seal Back-Up Rod Cylinder 45mm
75	1	84400201	Buffer Seal Rod Cylinder 45mm
76	1	W/Buffer	Buffer Seal Back-Up Rod Cylinder 45mm
77	1	84401105	Wear Ring Rod Cylinder 45mm
78	1	84401205	PTFE Wear Ring Rod Cylinder 45mm
79	2	84385230	O-Ring 242
80	2	84393230	O-Ring 242 Back-Up
81	1	84381200	O-Ring 213
82	1	84391200	O-Ring 213 Back-Up
83	10	84377000	O-Ring 117
84	5	84376200	O-Ring 111
85	4	84387800	O-Ring 916
86	10	84387400	O-Ring 912
87	2	84387000	O-Ring 908
88	2	84386800	O-Ring 906
89	4	87009103	Bolt Socket Head M10x1.5 x 200mm
90	12	87009105	Bolt Socket Head M10x1.5 x 140mm
91	16	87076510	Washer Lock High Collar

Switching Valve Assembly - Inside Detail



Switching Valve Assembly - Outside Detail



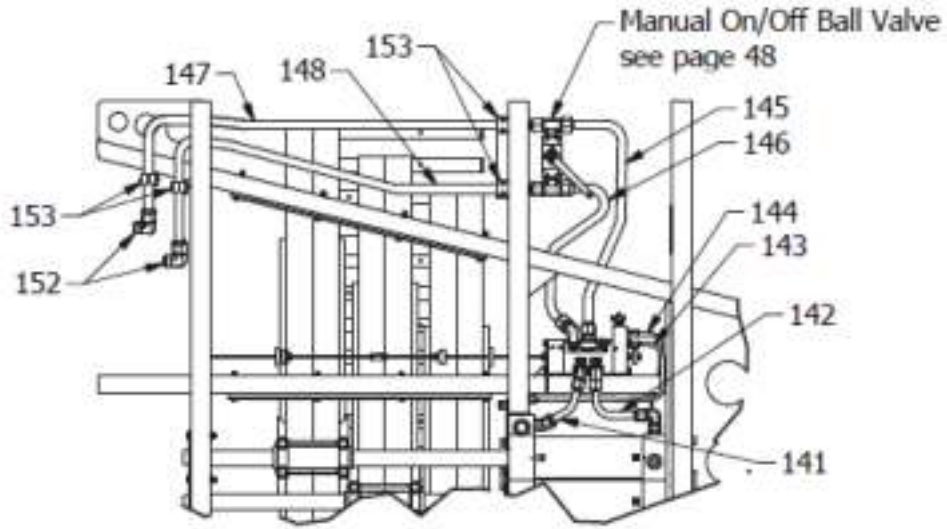
Switching Valve Assembly

ID#	QTY	PART #	DESCRIPTION
94	1	07413102	Switching Valve Assembly Inside Detail
			Includes items 95-27
95	1	04504602	Body Switching Valve Metric
96	1	04504801	End Cap Left Switching Valve
97	1	05198301	End Cap Right Switching Valve
98	2	03718901	Poppet Switching Valve
99	2	03718801	Ring Poppet Switching Valve
100	1	01335502	Rod Control Switching Valve Metric
		07966101	Seal Kit Switching Valve
			Includes items 101-112
101	2	84426800	Wiper 5/8" Rod
102	2	84352200	Seal Rod 5/8"
103	3	84376200	O-Ring 111
104	1	84377000	O-Ring 117
105	2	84378200	O-Ring 126
106	2	84382200	O-Ring 216
107	2	84391600	O-Ring Backup 8-216
108	2	84386800	O-Ring 906
109	1	84387200	O-Ring 910
110	4	84387400	O-Ring 912
111	1	84387800	O-Ring 916
112	1		O-Ring Kit
113	1	02552101	Cap Limit Switching Valve
114	5	87008550	Bolt Hex Gr 10.9 M10 x 60mm
115	3	87009500	Bolt Hex Gr 10.9 M10 x 70mm
116	4	87076500	Washer Lock 10mm
117	2	84684000	6400-06-06 Straight Connector
118	2	84691950	6802-12-12 45° O-Ring Elbow
119	1	84687700	6409-12 O-Ring Socket Plug
120	1	84691700	6801-16-12 90° O-Ring Elbow
121	1	84691800	6801-16-16 90° O-Ring Elbow

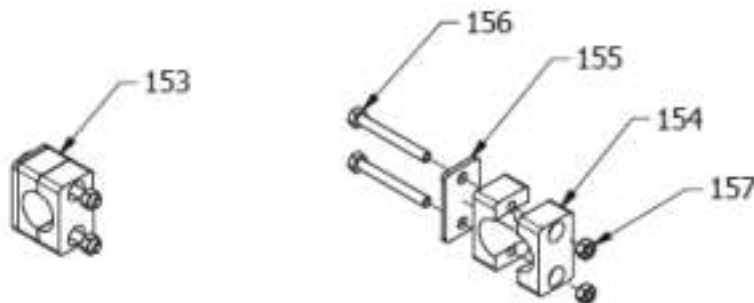
Switching Valve Assembly

122	1	85105200	Manual Cartridge Valve MRV4-10 w/Handle Includes items 122 & 123
123	1	84801600	Knob Valve Manual Cartridge
124	1	86625500	Nut Knob Valve Manual Cartridge
125	1	85108800	Solenoid Cartridge Valve SV10-40 Includes item 126
-	-	85108798	Seal Kit for Cartridge Valves
127	1		Coil (call for information)
131	1	07469102	Rod Threaded Assembly Switching Valve Metric Includes items 132-138
132	2	07469202	Rod All Thread M10 x 500mm (20")
133	1	86628303	Nut Coupling M10
134	7	87101500	Nut Hex M10
135	2	87076500	Washer Lock 10mm
136	1	87008470	Bolt Hex M10 x 20mm
137	5	86553500	Washer Fender 3/8"
138	2	83217500	Grommet Switching Valve

Hydraulic Tubes & Clamps



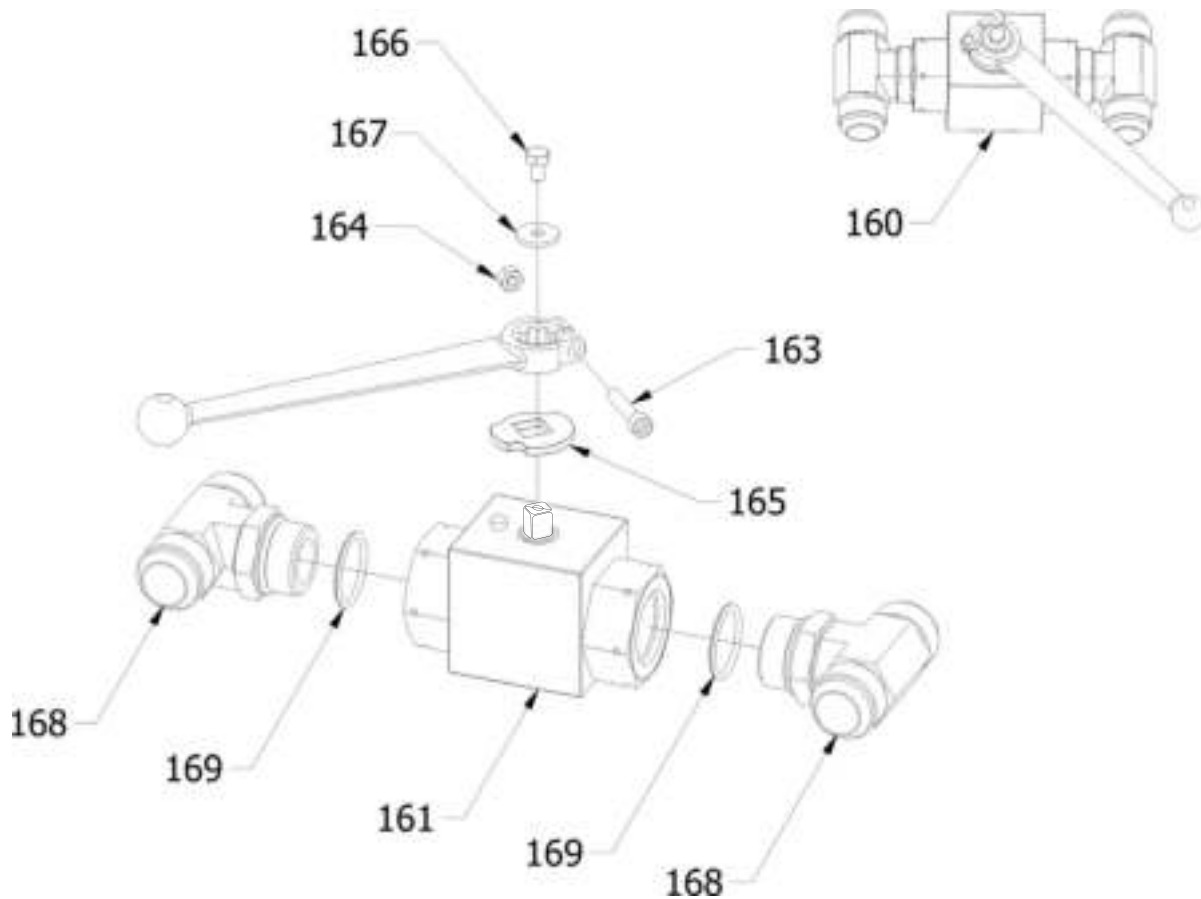
Manual Ball Valve Tube Set #139



Hydraulic Tubes & Clamps

ID#	QTY	PART #	DESCRIPTION
139	1	07905201	Tube Set Manual Ball Valve
			Includes items 141-148
141	1	07414101	141 Tube Assy 3/4", SV to Load end Cyl #1
142	1	07414201	142 Tube Assy 3/4", SV to Unload end Cyl #1
143	1	07414301	143 Tube Assy 3/8", CV to Load end Cyl #1
144	1	07414401	144 Tube Assy 3/8", CV to Unload end Cyl #1
145	1	07414502	145 Tube Assy 1", BV Pressure Line to SV
146	1	07414601	146 Tube Assy 1", BV Return Line to SV
147	1	07414701	147 Tube Assy 1", Pressure Line to Ball Valve
148	1	07414801	148 Tube Assy 1", Return Line to Ball Valve
152	2	84677000	2500-16-16 Union Elbow
153	4	06088801	Clamp Set Hydraulic Tube 1"
			Includes items 154 - 157
154	4	84750300	Clamp Hydraulic Tube 1"
155	4	84751200	Plate Clamp Tube Top COP-3
156	8	87004510	Bolt Hex M6 x 55mm
157	8	87100510	Nut Hex Nylock M6

Manual On/Off Ball Valve Assembly



Manual On/Off Ball Valve Assembly

ID#	QTY	PART #	DESCRIPTION
160	1	07835001	Manual On/Off Ball Valve Assembly Includes items 161, 162, 166-168
161	1	84802605	Manual Ball Valve 1"
162	1	84802900	Handle Ball Valve w/Bolt & Nut Includes items 162-164
163	1	87004120	Bolt Socket Head M6x1x30mm
164	1	87100510	Nut Hex Nylock M6
165	1	84802910	Spud Stop (Critical for Assembly)
166	1	87002460	Bolt Hex M6x12mm
167	1	87075410	Washer Fender 6mm
168	2	84692110	6803-16-16-16 O-Ring Branch Tee w/O-Ring
169	2	84387800	916 O-Ring