



## PARTS LIST



TP2146

# CONQUEST<sup>®</sup> T42-L Long Bed CNC Lathes

EQUIPPED WITH THE  
GE FANUC 18T CONTROL

Revised: August 23, 1999

Manual No. PL-74  
Part No. PL -0009500-0074

Litho in U.S.A.  
February, 1997

## TO ORDER REPLACEMENT PARTS

Please provide the following information when ordering replacement parts:

1. The complete machine serial number. The serial number tag is located on the power case door near the main disconnect switch.
2. List the following information:
  - A. Parts List manual number, PL-74.
  - B. Page number.
  - C. Item number.
  - D. Part name.
  - E. Part number.
  - F. Quantity of each part required.
3. Specify how and where to ship.

### - NOTE -

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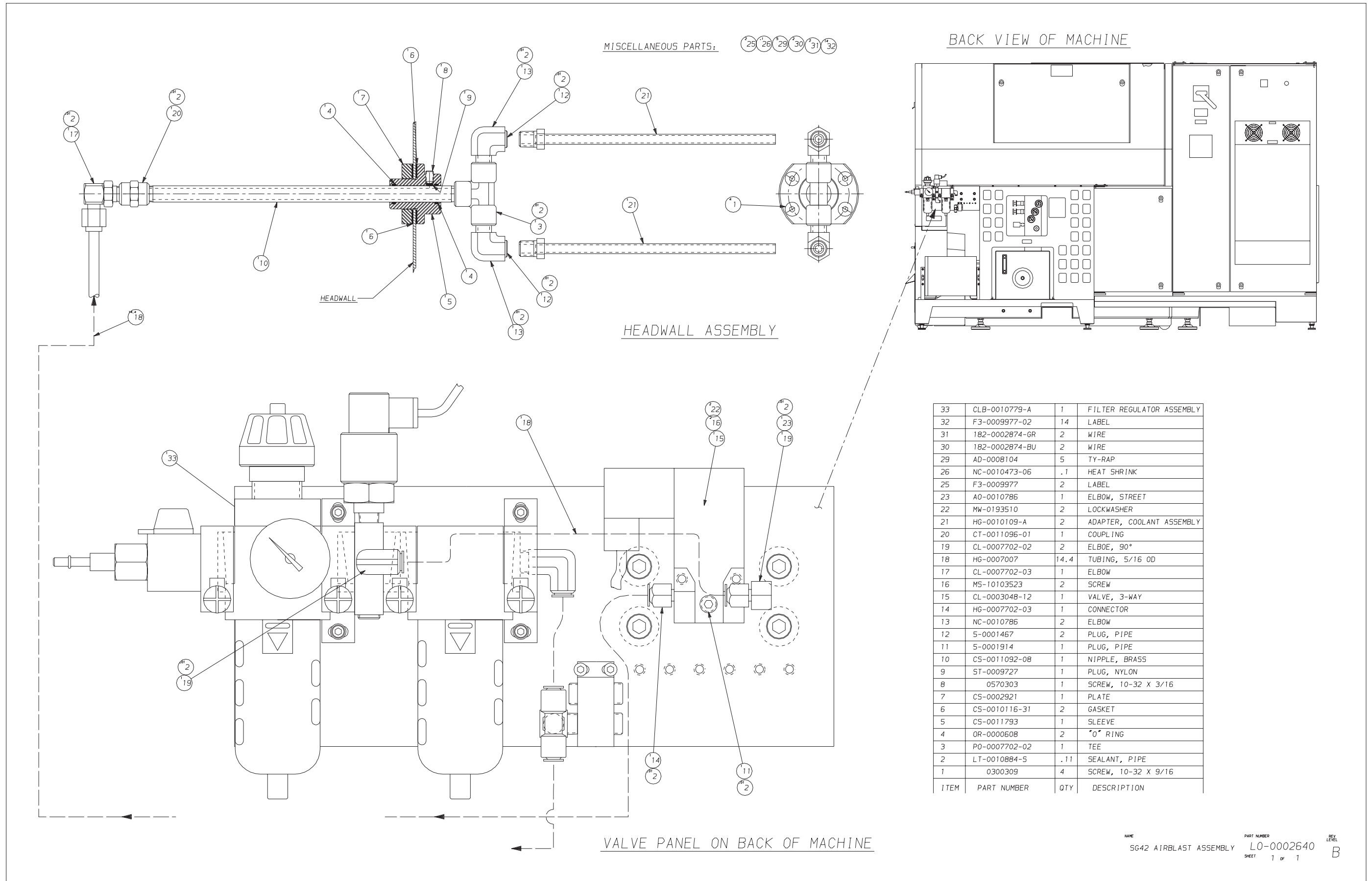
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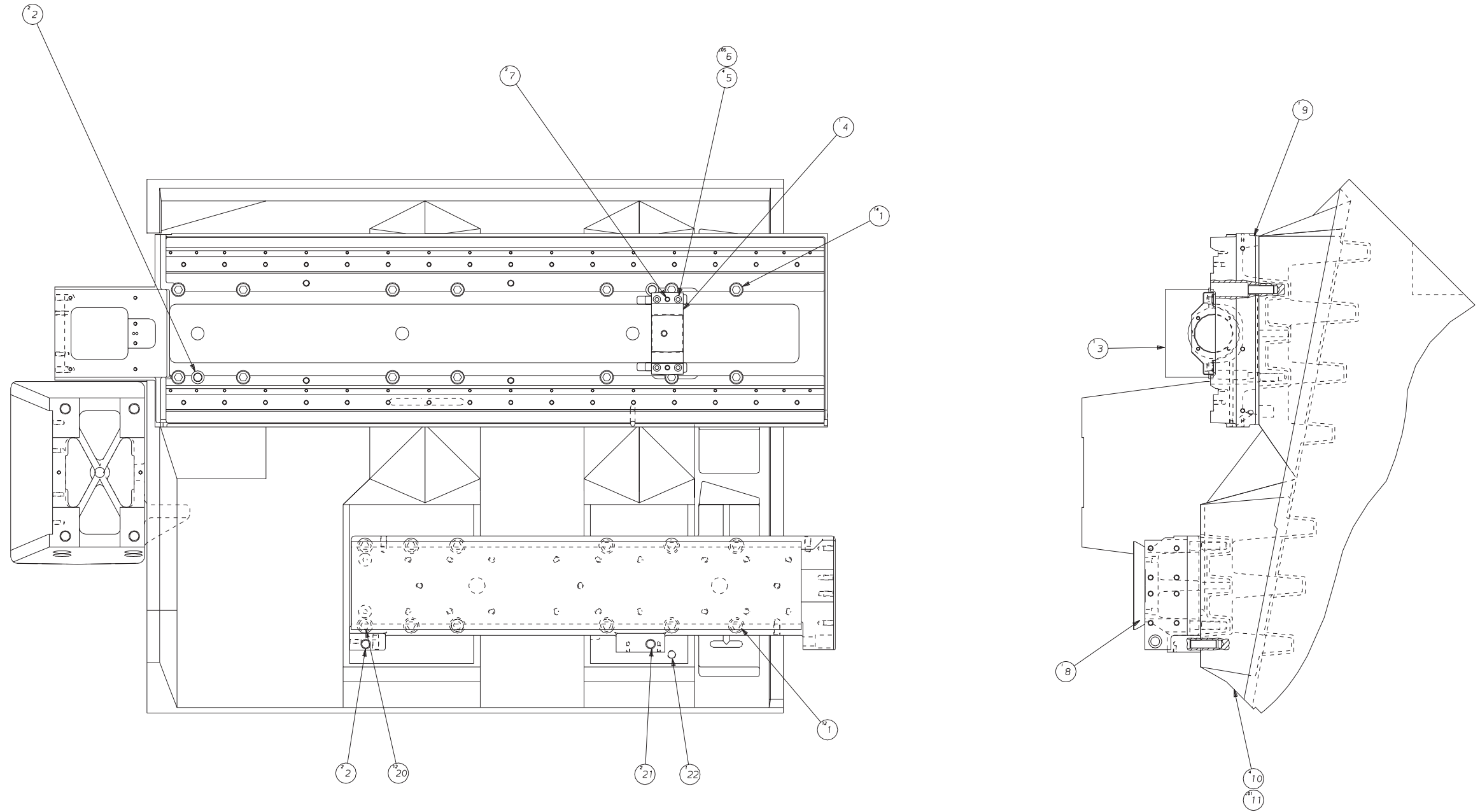


- NOTES -

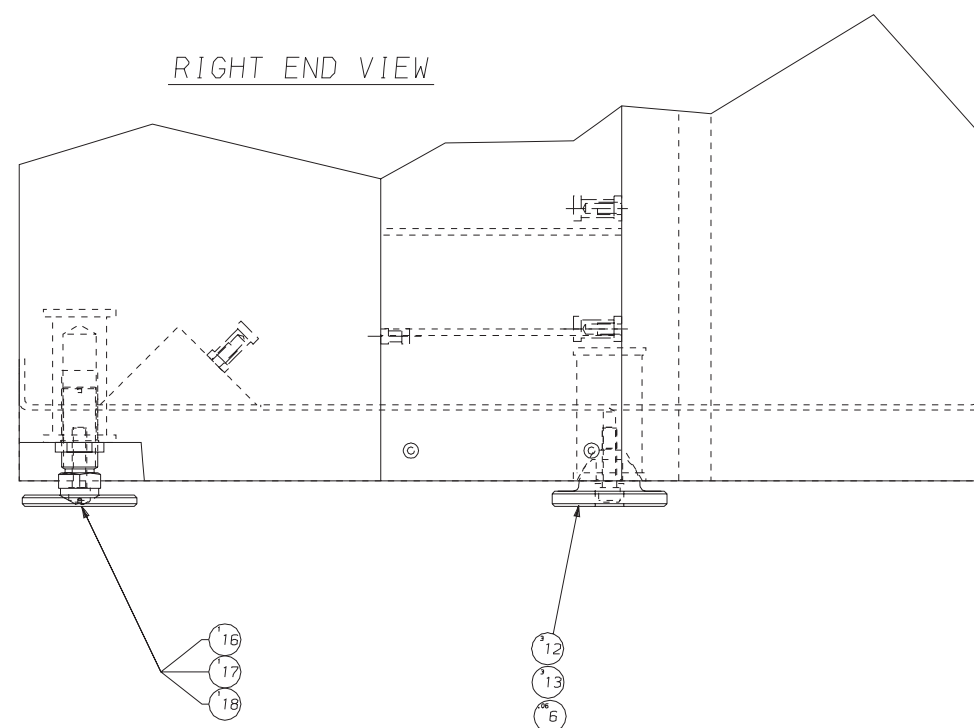
- NOTES -



# Base/Bed Assembly



NAME	BASE ASSEMBLY	PART NUMBER	SG-0000001-LB	REV.
	SG LONG BED			LEVEL
		SHEET	1 of 2	C



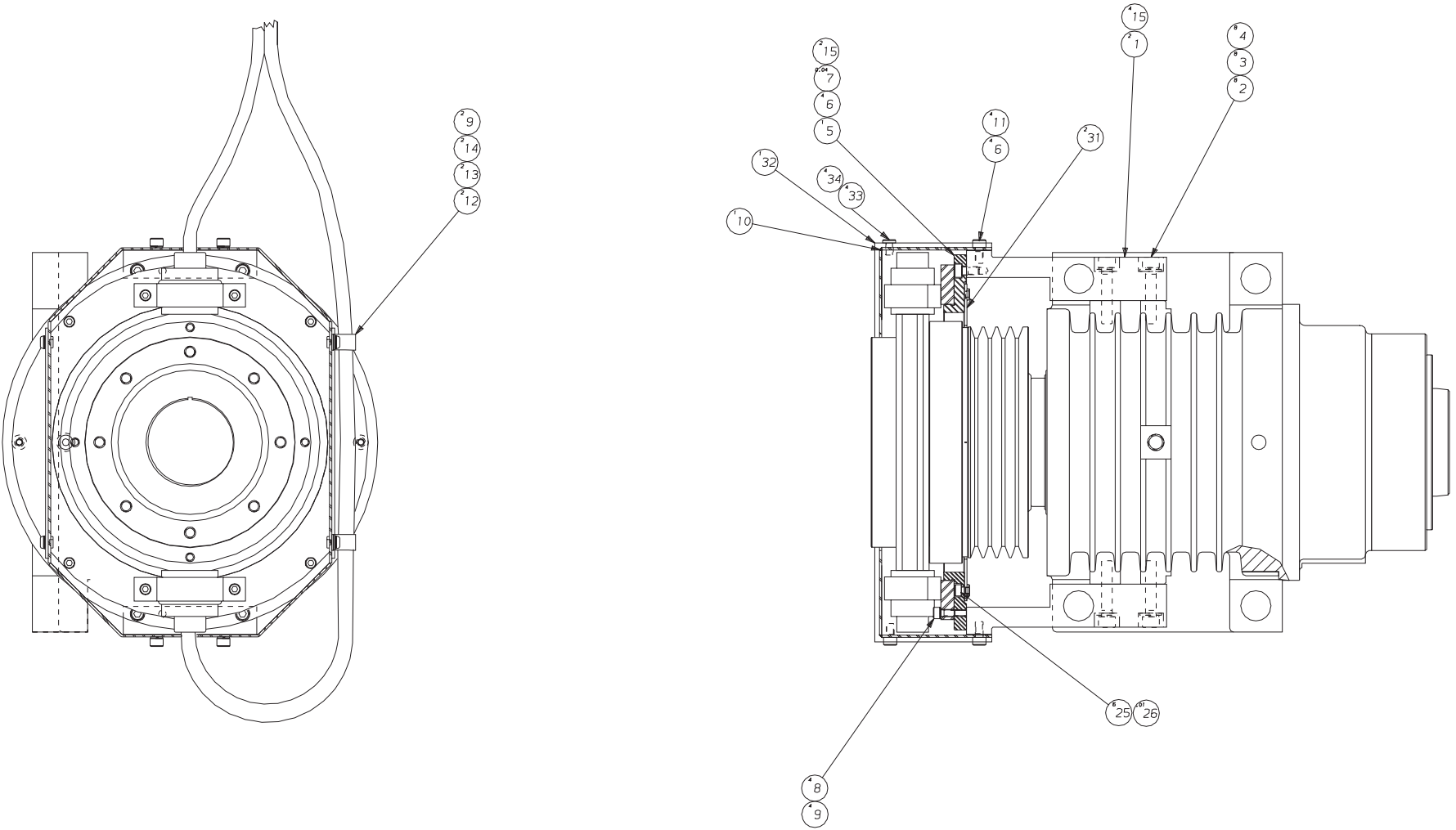
22	375-0001467	1	PLUG, 3/8 PIPE HEX SOCKET
21	CL-0007876-01	2	PLUG, NYLON
20	SG-0007876	12	PLUG, NYLON
18	CS-0009455-01	1	FOOT, BASE
17	CS-0008325	1	NUT, LOCK ADJUST. SCREW
16	CS-0009454	1	FOOT, ADJUSTABLE
13	MS-0104224	3	M12 SCREW, SHCS x 50mm
12	SG-0009455-01	3	FOOT
11	LT-0010884-5	0	SEALANT
10	MS-0554217	4	M12 SCREW, SSCP x 16mm
9	GE-0010884	1	SEALANT
8	SG-0000262-LBA	1	BED, TAILSTOCK ASSY.
7	NC-0006709	2	PIN, PULL-OUT
6	NC-0010884-01	0	ADHESIVE
5	MS-0103819	4	M8 SCREW, SHCS x 25mm
4	SG-0011932-01	1	SUPPORT, Z BALL SCREW
3	SG-0000262-BLB	1	BED, UPPER AXIS
2	CL-0004629	4	PIN, PULL-OUT
1	MS-0104625	26	M16 SCREW, SHCS x 55mm
ITEM	PART NUMBER	QTY	DESCRIPTION

NAME  
BASE ASSEMBLY

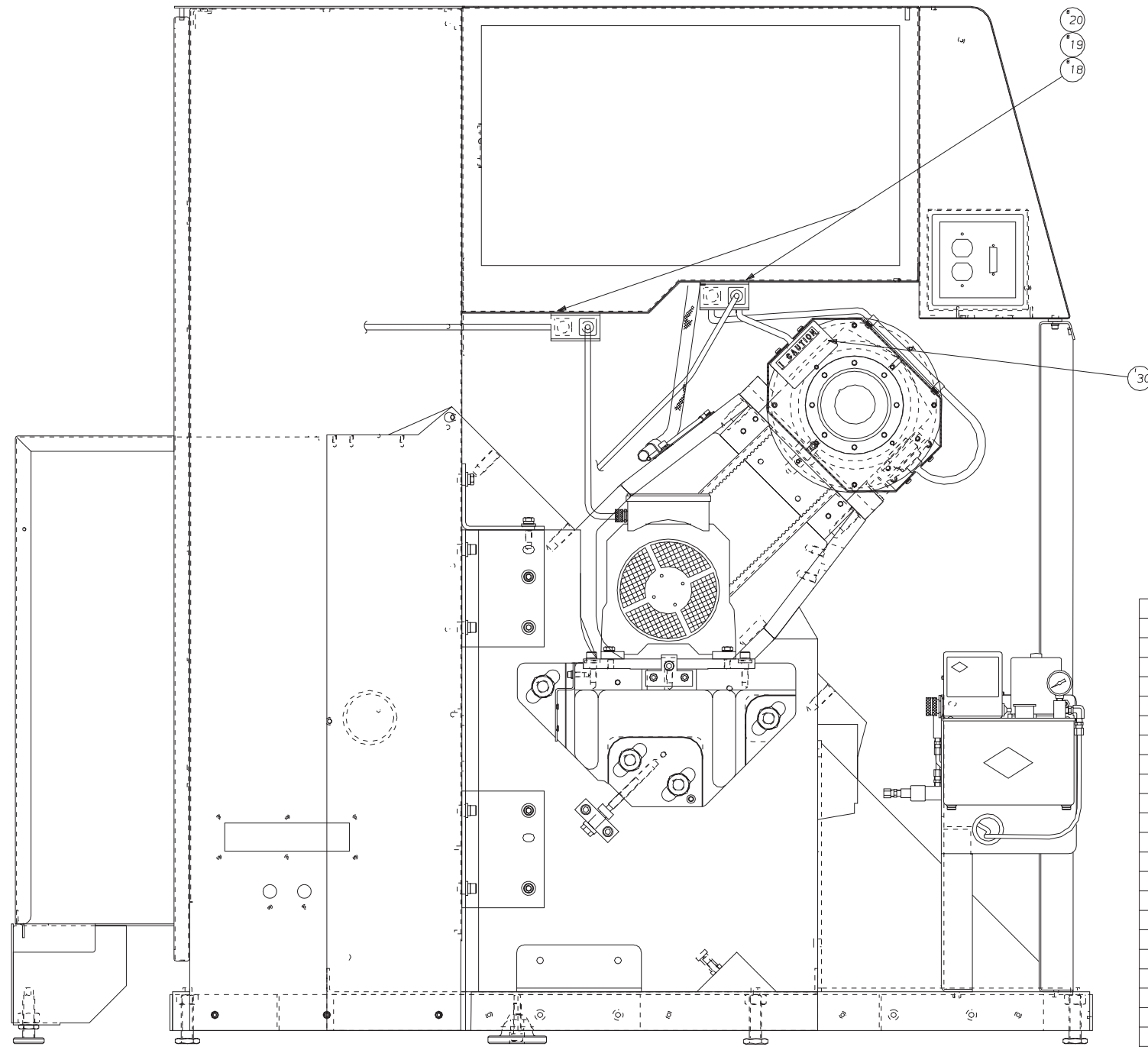
PART NUMBER  
SG-0000001-LB  
SHEET 2 of 2

REV  
LEVEL  
A

C-Axis Option



NAME SPINDLE PACKAGE C-AXIS PART NUMBER 5G-0011797-C REV. LEVEL C  
SHEET 1 of 2



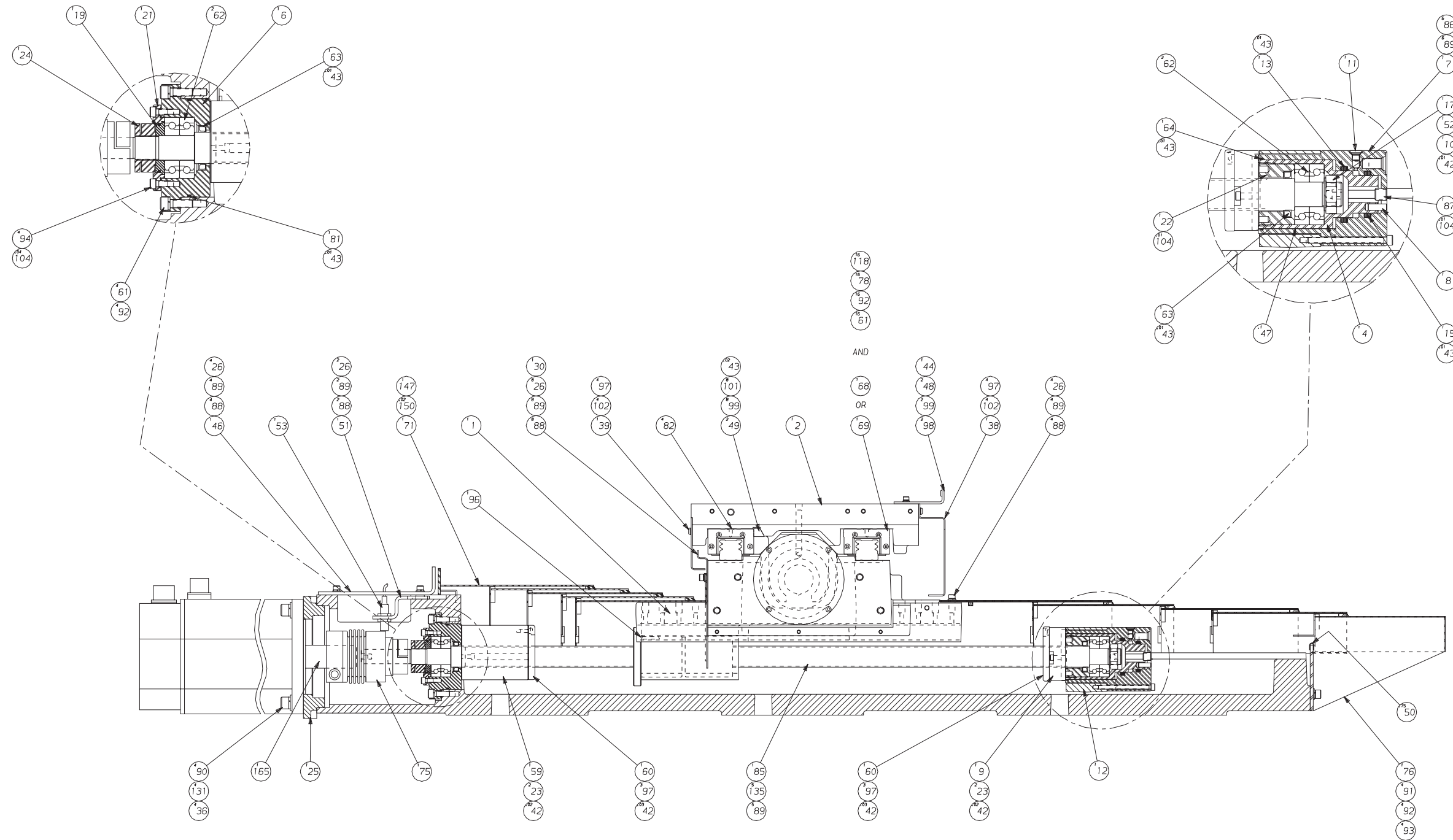
34	MW-0263510	4	WASHER
33	MS-0103515	4	SCREWO
32	SG-0010115-CA	1	COVER
31	SG-0010115-C	2	COVER, C-AXIS
30	CL-0010366-16	1	TAG, C AXIS CAUTION
26	NC-0010884-01	0	LOCTITE #222
25	MS-0103513	6	SCREW, SOC HD M5
20	MW-0183410	8	WASHER, LOCK M4 STEEL
19	MW-0103410	8	WASHER, FLAT M4 X .7 STEEL
18	MS-0103416	8	SCREW, SOC HD CAP M4 X .7
15	CL-0002024	6	PIN, DOWEL
14	MW-0103510	2	WASHER, FLAT M5
13	MS-0303516	2	SCREW, BT HD M5 X .8 X 12M
12	DVB-0009623	2	CABLE CLAMP
11	MW-0193610	4	WASHER, LOCK M6
10	CLC-0010115-14	1	COVER, C-AXIS
9	MW-0193510	6	WASHER, LOCK M5
8	MS-0103518	4	SCREW, SOC HD M5 X 20MM
7	NC-010884	0	LOCTITE 242
6	MS-0103616	8	SCREW, SOC HD M6 X 12MM
5	CL-0009813-02	1	RING, C-AXIS ADJUSTMENT
4	MW-0193810	8	WASHER, LOCK
3	HG-0002840	8	WASHER, FLAT
2	MS-0103822	8	SCREW, SOC HD M8 X 1.25 X
1	SG-0010467-01	2	SUPPORT, C-AXIS
ITEM	PART NUMBER	QTY	DESCRIPTION

NAME SPINDLE PKG. C-AXIS

PART NUMBER SG-0011797-C  
SHEET 2 of 2

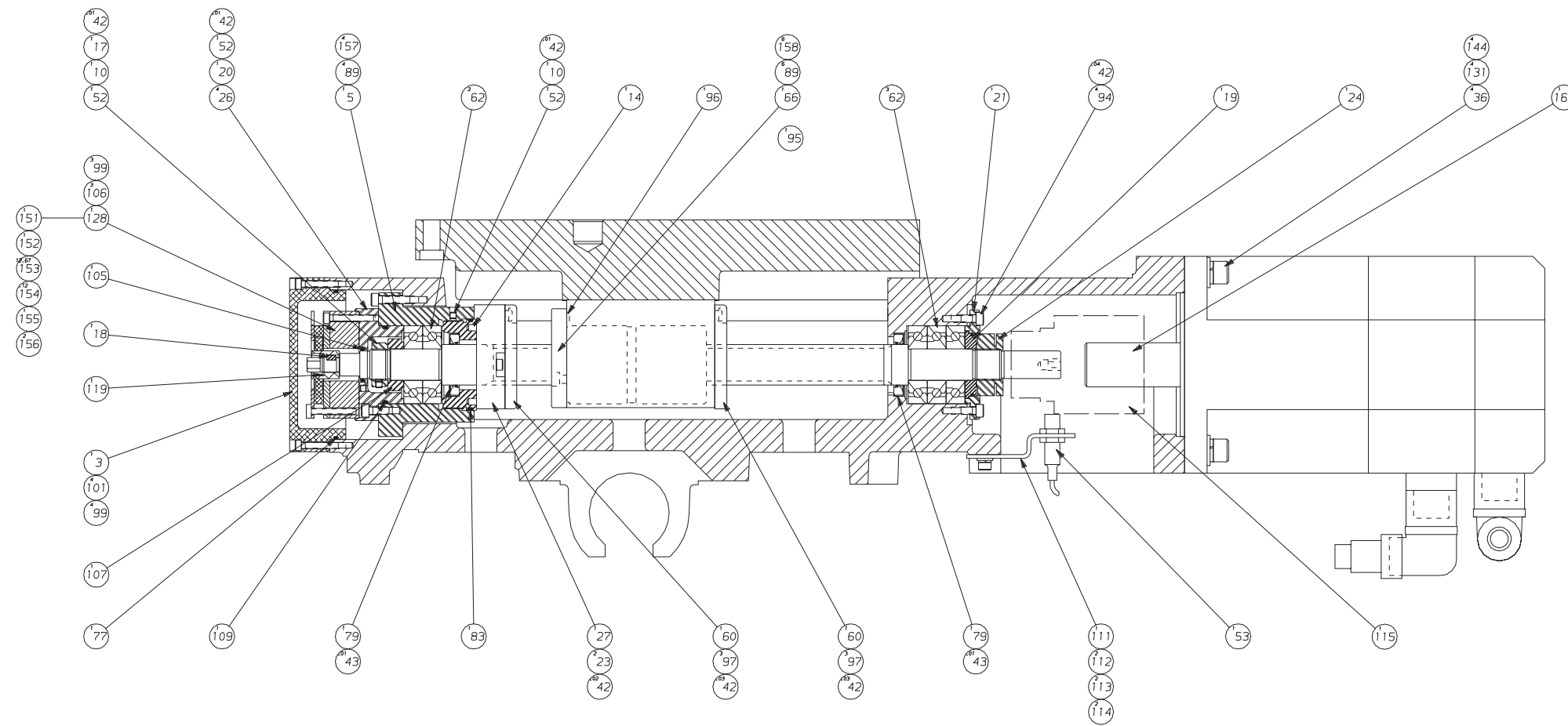
REV LEVEL A

# Carriage Assembly



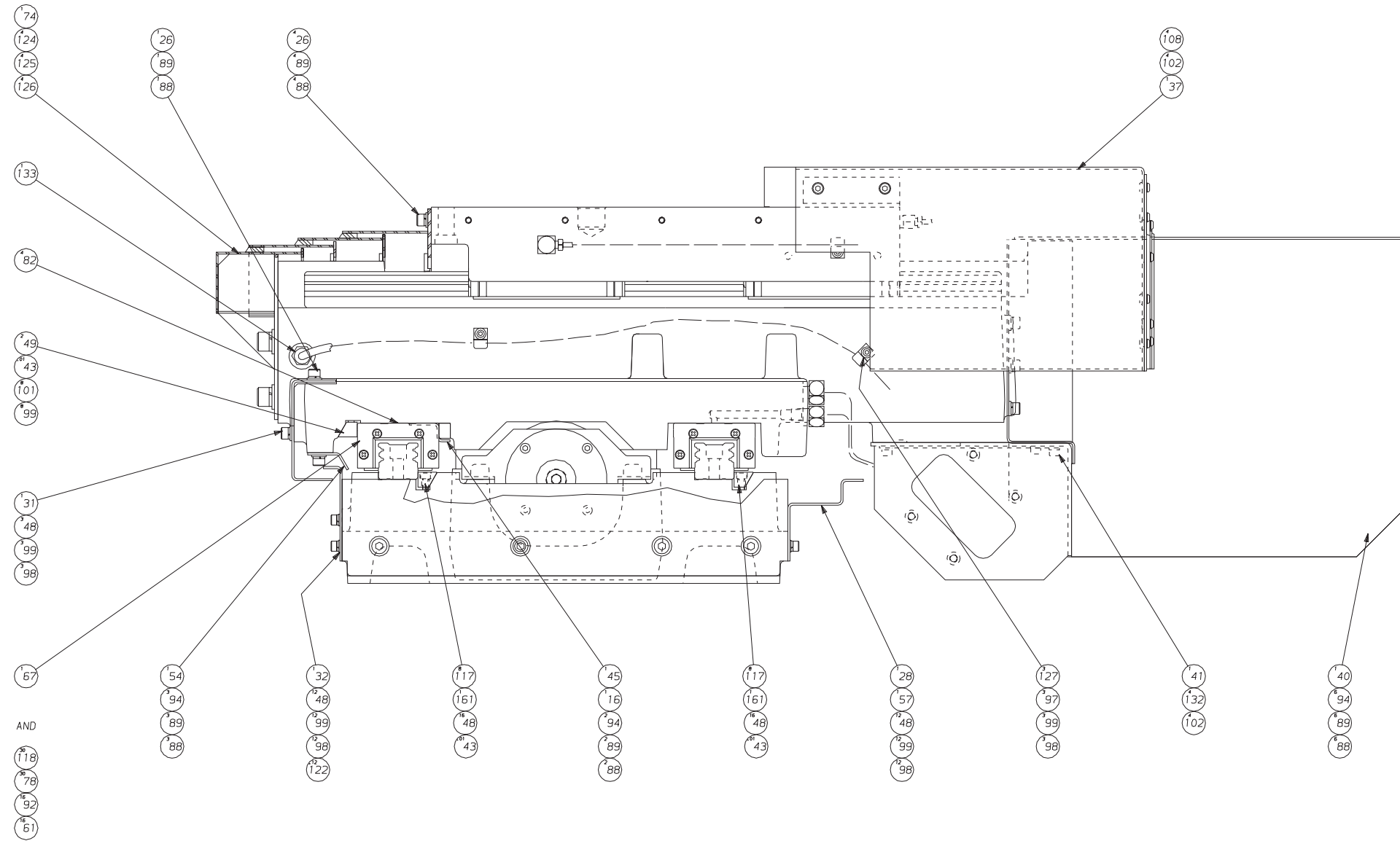
NAME	PART NUMBER	REV.
CARRIAGE-CROSS SLIDE ASSY (LONG BED) (Z-AXIS DRIVE)	SG-0006730-LB	C
SHEET	1 of 7	





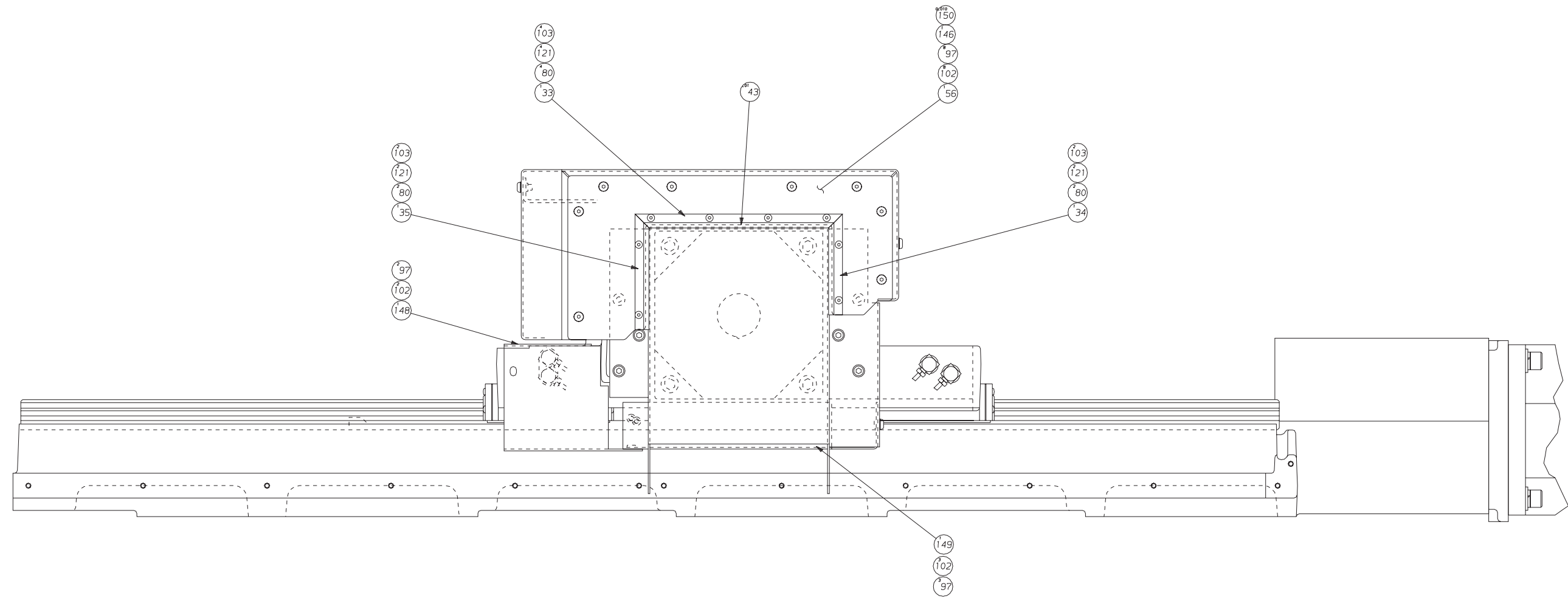
NAME	PART NUMBER	REV
CARRIAGE-CROSS SLIDE ASSY (LONG BED)	SG-0006730-LB	LEVEL
(X-AXIS DRIVE)	SHEET 2 of 7	B

# Carriage Assembly

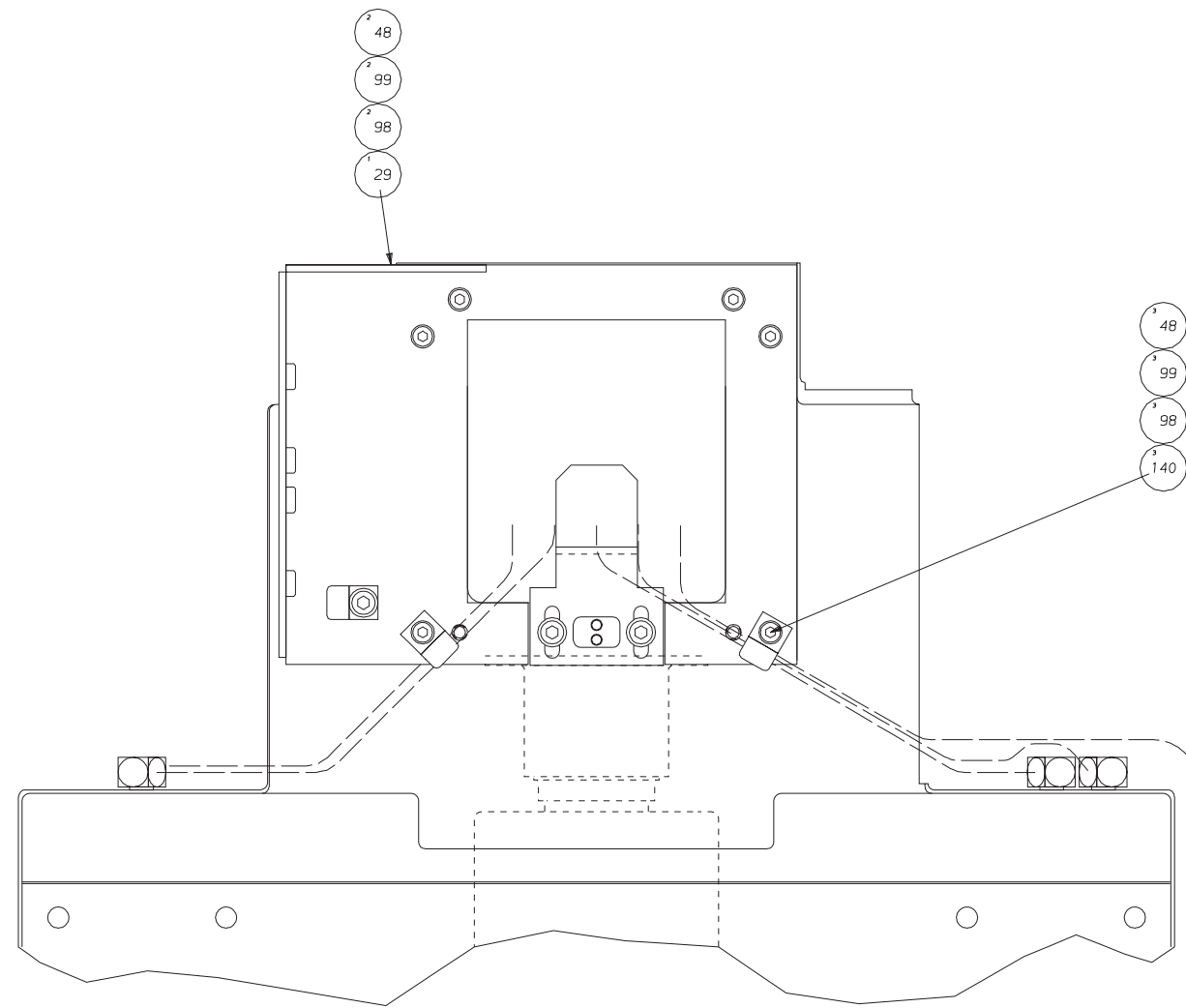


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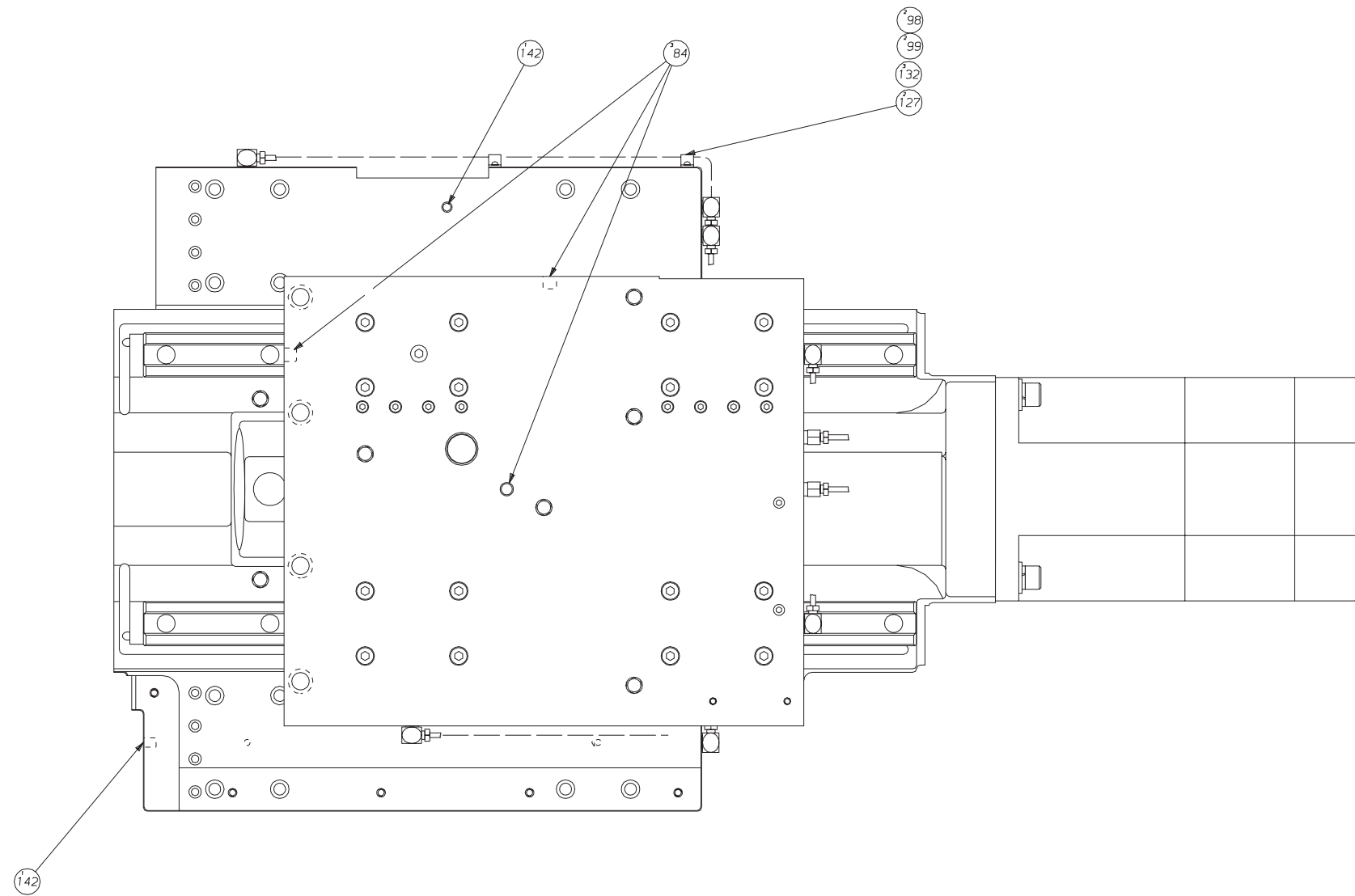
NAME CARRIAGE-CROSS SLIDE ASSY (LONG BED)  
 (X-AXIS DRIVE)  
 PART NUMBER SG-0006730-LB  
 SHEET 3 of 7  
 REV LEVEL A



NAME	PART NUMBER	REV
CARRIAGE-CROSS SLIDE ASSY (LONG BED) (REAR VIEW)	SG-0006730-LB	A
	SHEET 4 of 7	



NAME CARRIAGE-CROSS SLIDE ASSY (LONG BED) REAR & BOTTOM VIEW  
PART NUMBER SG-0006730-LB  
SHEET 5 of 7  
REV LEVEL A



NAME	PART NUMBER	REV. LEVEL
CARRIAGE-CROSS SLIDE ASSY (LONG BED)	SG-0006730-LB	A
	SHEET 6 of 7	

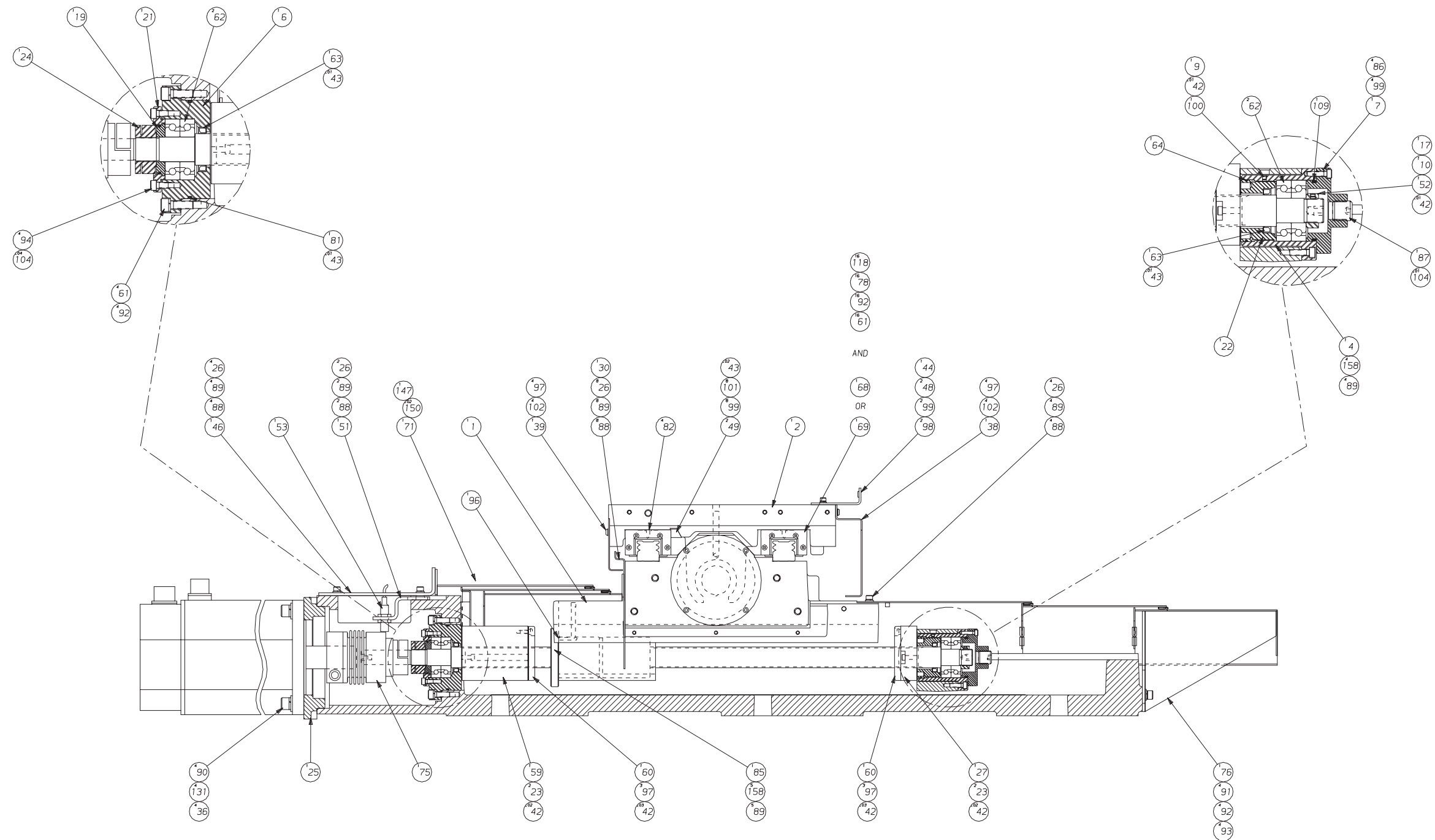
# Carriage Assembly

165	SG-0007306-01	2	KEY, HALF
161	SG-0006481-02	2	CLAMP, GUIDE RAIL
158	M5-0103618	6	M6 SCREW, SKHD CP x 20mm
157	M5-0103620	4	M6 SCREW, SKHD CP x 30mm
156	F3-0009977	2	CODE MARKER
155	853-0009188-RA	1	STAKON
154	NC-0010473-06	.12	HEAT SHRINK
153	18A-0003011-03	12.67	CABLE
152	LO-0002637-B5	1	TAG LAYOUT
151	LO-0002637	1	TAG LAYOUT
150	3-0010884-01	.03	ADHESIVE
149	SG-0010115-CR	1	COVER, CROSS SLIDE - REAR
148	SG-0010115-CS	1	COVER, CARRIAGE REAR
147	SGA-0010116-Y	1	GASKET, FLANGE
146	SG-0010116-X	1	GASKET, CROSS SLIDE REAR
144	M5-0104223	4	M12 SCREW, SKHD CP x 45mm
142	S-0010700-07	2	PLUG, LEE
140	KL-0009623	3	CLAMP, 3/8"
135	M5-0103619	5	M6 SCREW, SKHD CP x 25mm
133	CS-0009207-03	1	CORD GRIP, STRAIGHT
132	M5-0103516	7	M5 SCREW, SKHD CP x 12mm
131	MW-0194210	8	M12 WASHER, LOCK
128	CLB-0010462-03	1	BRAKE, X-AXIS
127	CH-0009623-01	5	CLAMP, 1/4
126	MW-0104010	4	M10 WASHER, FLAT
125	MW-0194010	4	M10 WASHER, LOCK
ITEM	PART NUMBER	QTY	DESCRIPTION

124	M5-0104018	4	M10 SCREW, SKHD CP x 20mm
122	GE-0010884	.12	SILICONE
121	MW-0183410	8	M4 WASHER, LOCK
119	CS-0008231-02	1	RING, RETAINING
118	M5-0103820	46	M8 SCREW, SKHD CP x 30mm
117	SG-0006481	16	GIB, GUIDE RAIL
115	SG-0012128	1	TORQUE LIMITER
114	MW-0103610	2	M6 WASHER, FLAT
113	MW-0193610	2	M6 WASHER, LOCK
112	M5-0103617	2	M6 SCREW, SKHD CP x 16mm
111	SG-0010215-08	1	BRACKET, PROXIMITY SWITCH
109	CS-0009431-01	1	O-RING
108	M5-0303516	4	M5 SCREW, BUTT HD x 12mm
107	CL-0010828-01	1	SPACER
106	M5-0103521	3	M5 SCREW, SKHD CP x 35mm
105	CS-0009431-02	1	SEAL
104	NC-0010884	.06	ADHESIVE, LOCTITE #242
103	M5-0303416	8	M4 SCREW, BUTT HD x 12mm
102	MW-0263510	29	M5 WASHER, STAR
101	M5-0103520	20	M5 SCREW, SKHD CP x 30mm
99	MW-0193510	62	M5 WASHER, LOCK
98	MW-0103510	39	M5 WASHER, FLAT
97	M5-0303515	36	M5 SCREW, BUTT HD x 10mm
96	CS-0009431-04	2	O-RING
95	SG-0001902-02	1	BALL SCREW, X-AXIS (CHINA
94	M5-0103616	19	M6 SCREW, SKHD CP x 12mm
93	MW-0103810	4	M8 WASHER, FLAT
92	MW-0193810	40	M8 WASHER, LOCK
91	M5-0103818	4	M8 SCREW, SKHD CP x 20mm
90	M5-0104226	4	M12 SCREW, SKHD CP x 60mm
89	MW-0193610	55	M6 WASHER, LOCK
88	MW-0103610	34	M6 WASHER, FLAT
87	M5-0554216	1	M12 SCREW, SOC SET CUP
86	M5-0103518	6	M6 SCREW, SKHD CP x 80mm
85	SG-0001902-LZ	1	BALL SCREW, Z-AXIS EXTEN
84	S-0010700-09	3	PLUG, LEE
83	OR-0004346	1	O-RING
82	OR-0000406	8	O-RING
81	OR-0006063	1	O-RING, 3-3/4 ID x .093
80	MW-0103410	8	M4 WASHER, FLAT
79	SG-0011198-17	2	SEAL, CR#12740
78	SG-0010331-02	46	PLUG, LINEAR GUIDE
77	OR-0007275	1	O-RING, 4.5 ID x .093
76	SG-0010115-LBZR	1	COVER, WAY Z-AXIS REAR
75	SG-0012128	1	TORQUE LIMITER
74	SG-0010115-37	1	WAY COVER, X-AXIS
71	SG-0010115-LBZF	1	COVER, WAY Z-AXIS FRONT
69	SGA-0008316-04	1	LINEAR WAYS, X-AXIS 5P
68	SGA-0008316-01	1	LINEAR WAYS, X-AXIS GEN
67	SG-0008316-03	1	LINEAR WAYS, Z-AXIS GEN
66	SG-0001902	1	BALL SCREW, X-AXIS
64	OR-0004446	1	O-RING
63	CS-0011198-03	2	CR #12710 SEAL
62	CSA-0004140	9	BEARING, BALL SCREW SUPPO
61	M5-0103819	36	M8 SCREW, SKHD CP x 25mm
60	CSA-0011976	4	BUMPER
ITEM	PART NUMBER	QTY	DESCRIPTION

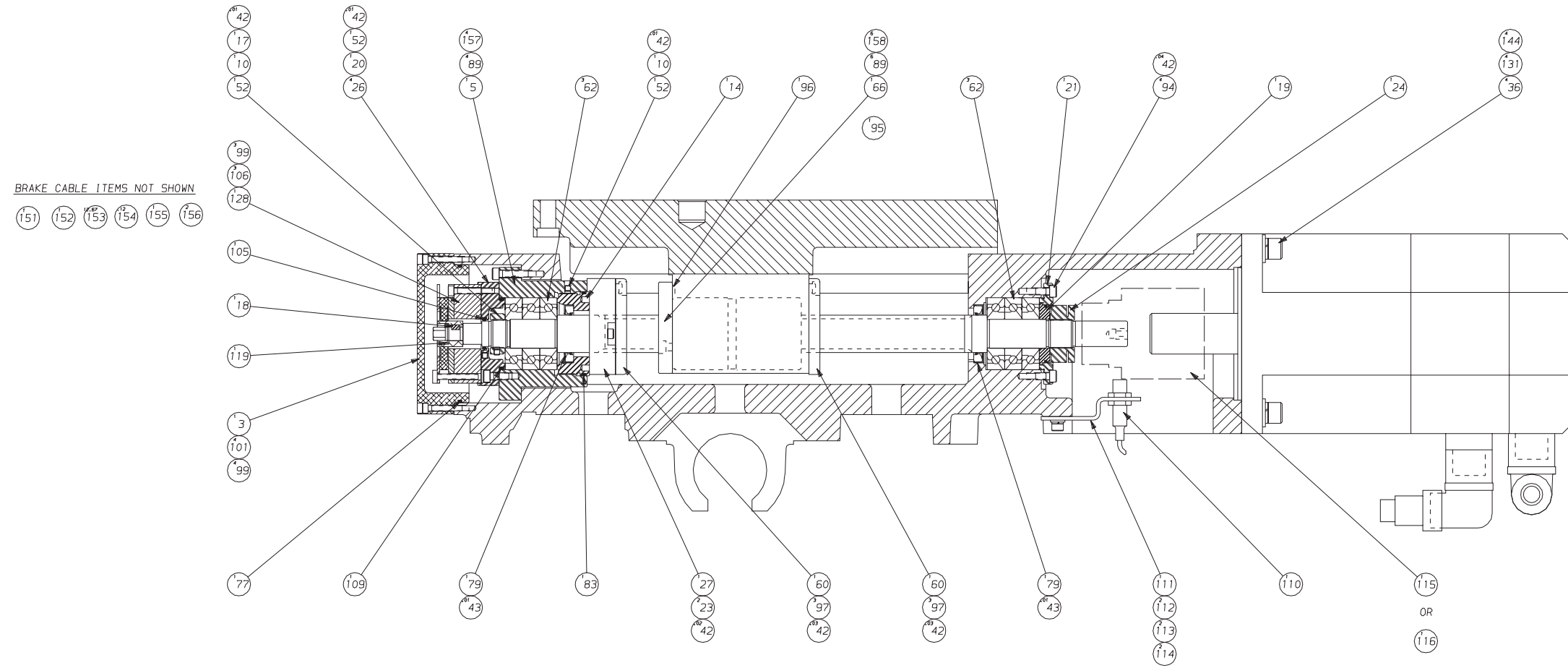
59	SG-0011976-01	1	STOP, Z-AXIS
57	SG-0003990-30	1	LABYRINTH, REAR Z-AXIS
56	SG-0010115-65	1	COVER, CROSS SLIDE - REAR
54	SG-0011027-C-LB	1	DRIP EDGE, TRAM OIL
53	SGA-0010224-04	2	SWITCH, PROXIMITY
52	M5-0553512	4	M5 SCREW, SOC SET CUP
51	SG-0010215-07	1	BRACKET, PROXIMITY SWITCH
50	RF-0011499	.75	STRIP, NYLATRON WEAR
49	SG-0006481-01	4	GIB, GUIDE TRUCK
48	M5-0103517	66	M5 SCREW, SKHD CP x 16mm
47	V5-0010440	.1	ANTI-SIEZE
46	SG-0011423-02	1	SUPPORT, HEADWALL
45	SG-0011083	1	SHIM, TRAM
44	SG-0011027	1	BRACKET
43	CS-0010994	.14	GREASE
42	NC-0010884-01	.26	ADHESIVE, LOCTITE #222
41	SG-0010115-41	1	COVER, TORQUE LIMITER
40	SGA-0010115-4B	1	COVER, X-AXIS MOTOR
39	SG-0010115-35	1	COVER
38	SG-0010115-34	1	COVER, SWITCH
37	SG-0010115-33	1	COVER, REAR WAY X-AXIS
36	CL-0002840-01	8	WASHER, FLAT 7/16 HARDENE
35	CS-0008050-02	1	WIPER
34	CS-0008050-01	1	WIPER
33	CS-0008050	1	WIPER
32	SG-0003990-28	1	LABYRINTH, FRONT Z-AXIS
31	SG-0010115-56	1	COVER, CARRIAGE FRONT
30	SGA-0002990-45	1	LABYRINTH, X-AXIS
29	SG-0002990-20	1	BRACKET, GORETUBE
28	SG-0003990-29	1	LABYRINTH, REAR Z-AXIS
27	CSB-0011976-02	1	STOP, Z-AXIS AFT
26	M5-0103617	27	M6 SCREW, SKHD CP x 16mm
25	CSB-0010421-01	1	PLATE, MOTOR MOUNT Z-AXIS
24	CSA-0000492	2	NUT, ADJUSTABLE SPIETH
23	M5-0103519	6	M5 SCREW, SKHD CP x 25mm
22	SG-0001799	1	CLAMP, BEARING
21	CSA-0011137	2	RETAINER, BEARING
20	SGA-0011137-F	1	RETAINER, FRONT BEARING X
19	CS-0011198-14	2	SEAL, LABYRINTH
18	CS-0002022	1	KEY
17	CS-0002260-05	2	NUT, LOCK
16	CL-0011083	1	RETAINER, TRAM SHIM
15	OR-0002430	1	O-RING
14	CL-001799-02	1	NUT, BEARING
13	OR-0003036	1	O-RING
12	SG-0011932-01	1	SUPPORT, Z-AXIS BALLSCREW
11	VL-0012042-01	1	PLUG, 5/16-24
10	CH-0004732	3	PLUG, BRASS
9	SG-0011976	1	STOP, Z-AXIS AFT
8	CL-0002024	1	PIN, DOWEL-1/4"
7	SG-0011176-02	1	RETAINER, BEARING
6	CSA-0011776-01	1	HOUSING, BEARING
5	SG-0011776-F	1	HOUSING, BEARING-FRONT X-
4	SG-0011176-03	1	MOUNT, BEARING
3	SG-0010115-32	1	COVER, BRAKE
2	SGA-0007202	1	CROSS SLIDE
1	SGB-0000371	1	CARRIAGE, EXTENDED BED
ITEM	PART NUMBER	QTY	DESCRIPTION

NAME: CARRIAGE-CROSS SLIDE ASSY (LONG BED) PART NUMBER: SG-0006730-LB SHEET: 7 of 7 REV LEVEL: A



NAME: CARRIAGE-CROSS SLIDE ASSY (Z-AXIS DRIVE)  
 PART NUMBER: SGD-0006730  
 SHEET: 1 of 7  
 REV. LEVEL: J

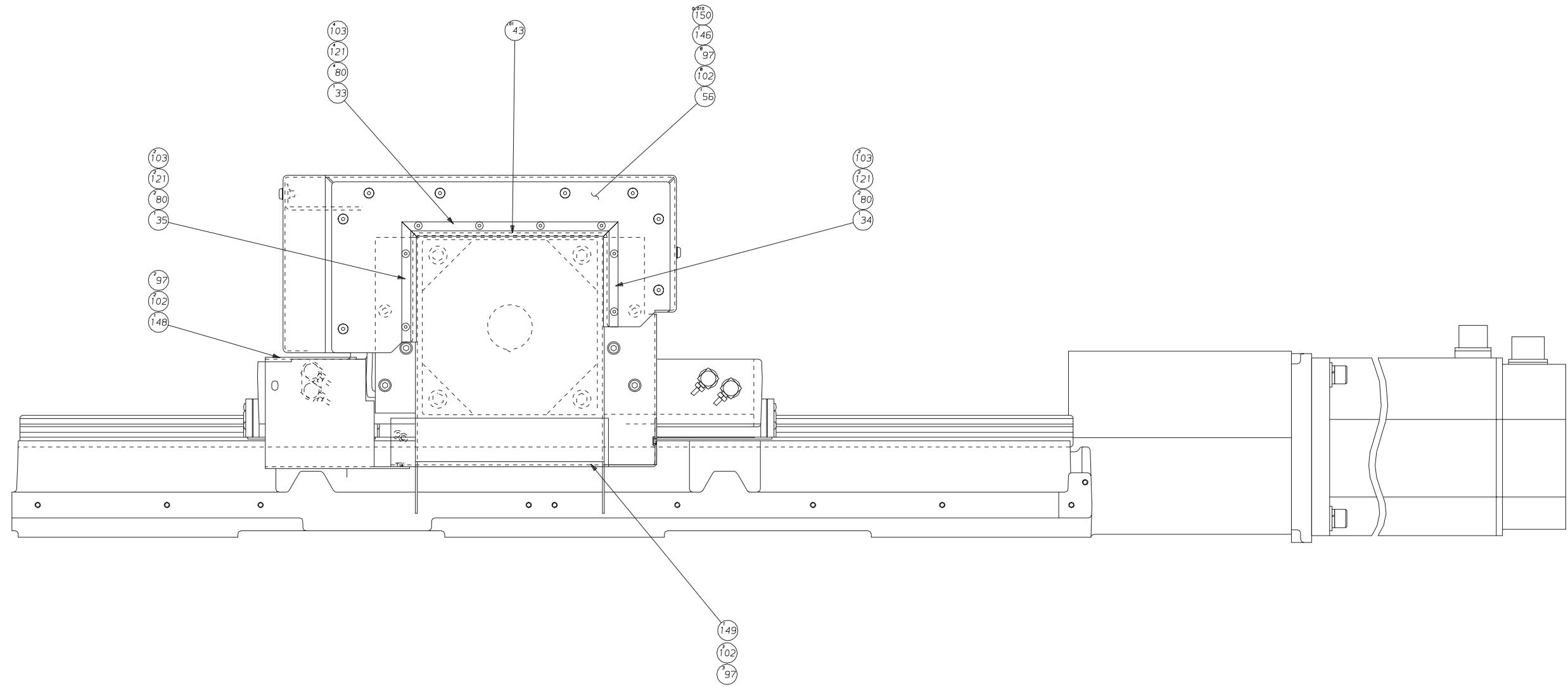
# Carriage Assembly



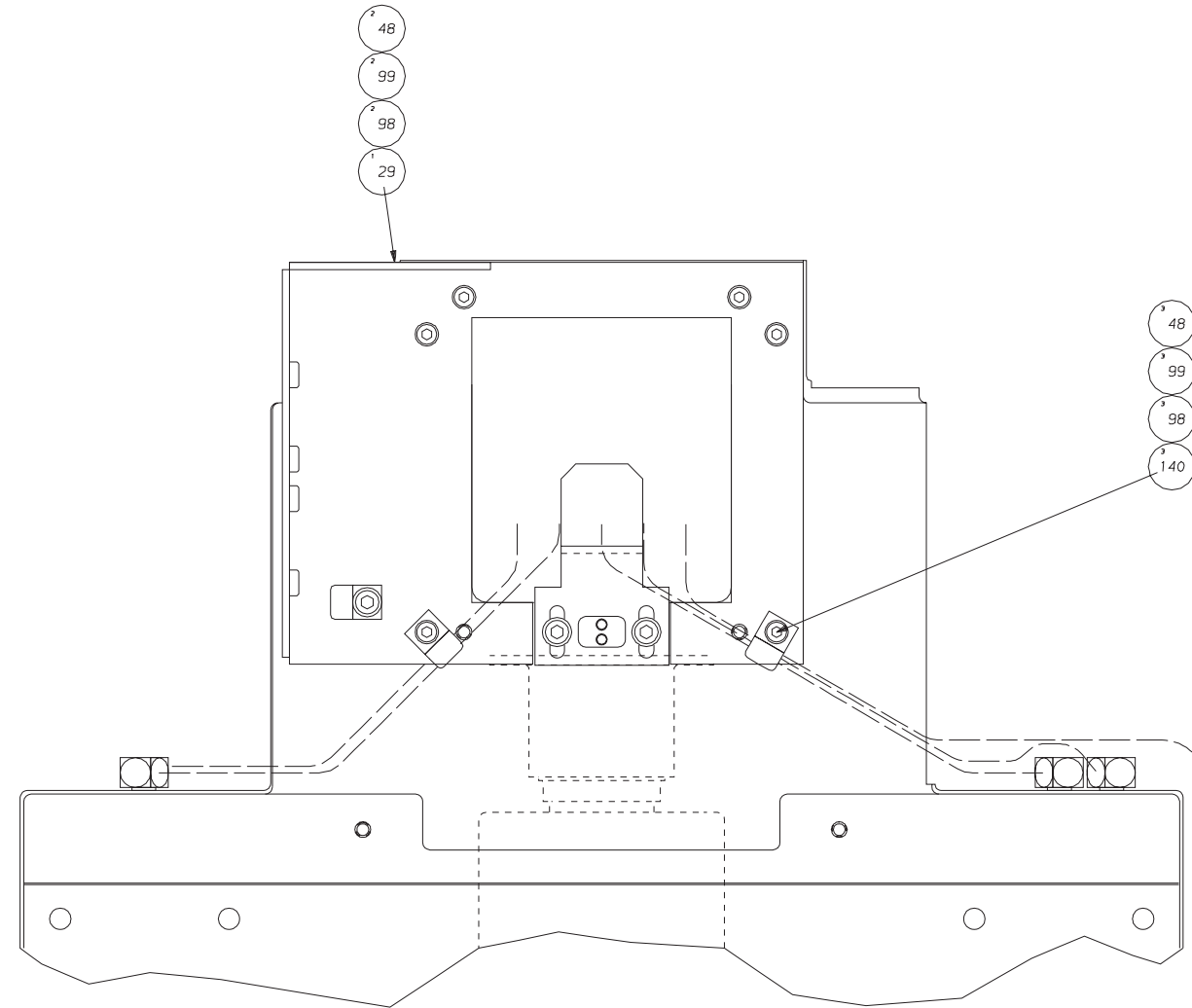
NAME: CARRIAGE-CROSS SLIDE ASSY (X-AXIS DRIVE)  
 PART NUMBER: SGD-0006730  
 SHEET: 2 of 7  
 REV LEVEL: K



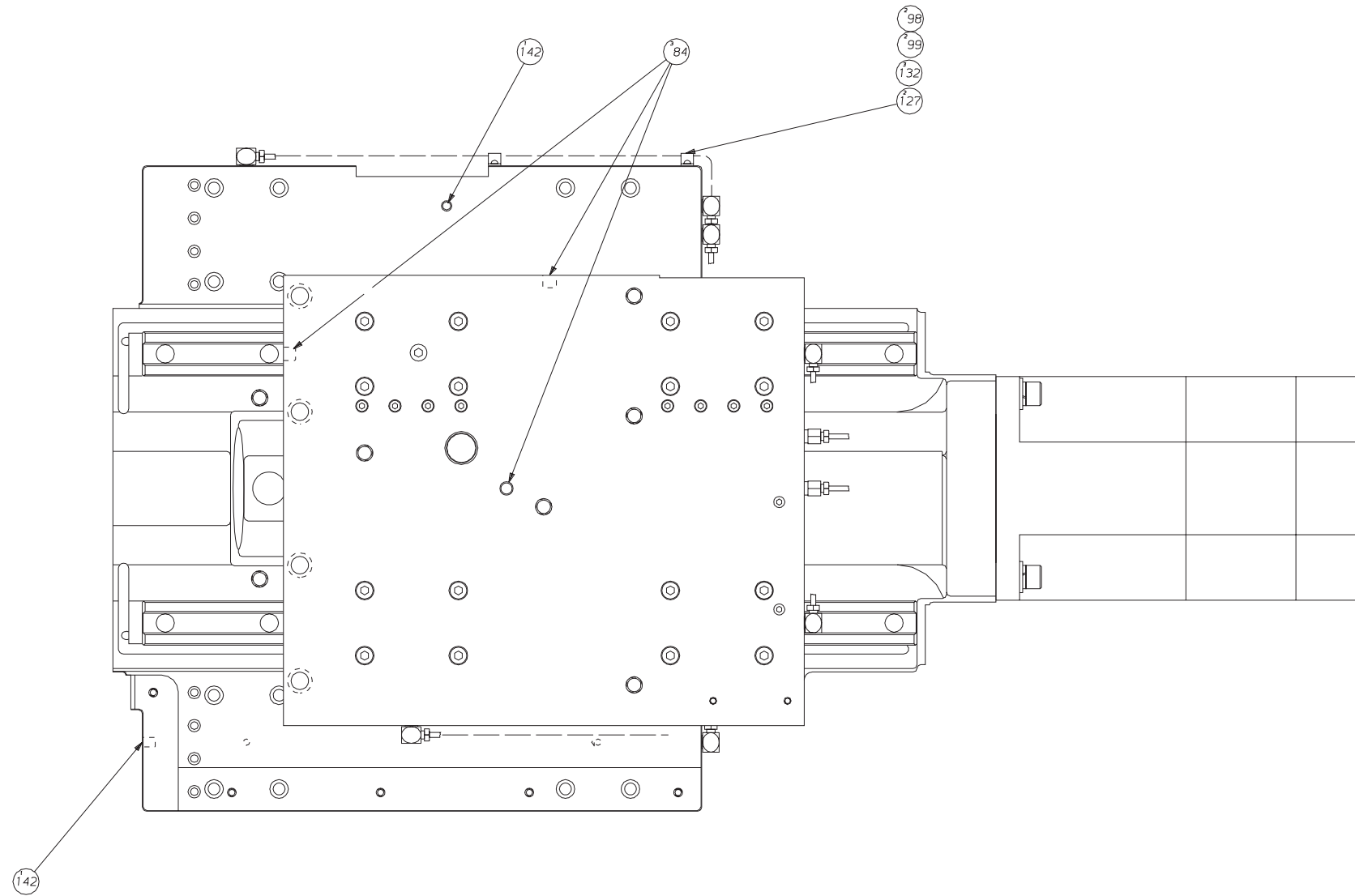




NAME: CARRIAGE-CROSS SLIDE ASSY  
PART NUMBER: SGD-0006730  
REAR VIEW  
SHEET 4 OF 7  
REV LEVEL: D



NAME	PART NUMBER	REV.
CARRIAGE-CROSS SLIDE ASSY	SGD-0006730	LEVEL
REAR & BOTTOM VIEW	SHEET 5 OF 7	C



NAME	PART NUMBER	REV.
CARRIAGE-CROSS SLIDE ASSY	SGD-0006730	B
	SHEET 6 of 7	

163	MW-0263610	3	WASHER, FLAT EXT STAR M6
162	MS-0303616	3	SCREW, BHD M6 X 12mm
161	HR-0004574	1	CLIP, RETAINING
160	RAA-0009188-21	2	BUTTSPLICE
158	MS-0103618	15	M6 SCREW, SKHD CP x 20mm
157	MS-0103620	4	M6 SCREW, SKHD CP x 30mm
156	F3-0009977	2	CODE MARKER
155	853-0009188-RA	1	STAKON
154	NC-0010473-06	.12	HEAT SHRINK
153	18A-0003011-03	12.67	CABLE
152	LO-0002637-B5	1	TAG LAYOUT
151	LO-0002637	1	TAG LAYOUT
150	3 -0010884-01	.03	ADHESIVE
149	SGA-0010115-CR	1	COVER, CROSS SLIDE - REAR
148	SG-0010115-C5	1	COVER, CARRIAGE REAR
147	SGA-0010116-Y	1	GASKET, FLANGE
146	SG-0010116-X	1	GASKET, CROSS SLIDE REAR
144	MS-0104223	4	M12 SCREW, SKHD CP x 45mm
142	S-0010700-07	2	PLUG, LEE
140	KL-0009623	3	CLAMP, 3/8"
133	CS-0009207-03	1	CORD GRIP, STRAIGHT
132	MS-0103516	7	M5 SCREW, SKHD CP x 12mm
ITEM	PART NUMBER	QTY	DESCRIPTION

131	MW-0194210	8	M12 WASHER, LOCK
128	CLB-0010462-03	1	BRAKE, X-AXIS
127	CH-0009623-01	5	CLAMP, 1/4
126	MW-0104010	4	M10 WASHER, FLAT
125	MW-0194010	4	M10 WASHER, LOCK
124	MS-0104018	4	M10 SCREW, SKHD CP x 20mm
122	GE-0010884	.1	SILICONE
121	MW-0183410	8	M4 WASHER, LOCK
119	CS-0008231-02	1	RING, RETAINING
118	MS-0103820	42	M8 SCREW, SKHD CP x 30mm
117	SG-0006481	12	GIB, GUIDE RAIL
116	CSA-0011792-02	1	COUPLING, FLEXIBLE
115	SG-0012128	1	TORQUE LIMITER
114	MW-0103610	2	M6 WASHER, FLAT
113	MW-0193610	2	M6 WASHER, LOCK
112	MS-0103617	2	M6 SCREW, SKHD CP x 16mm
111	SG-0010215-08	1	BRACKET, PROXIMITY SWITCH
110	SGA-0010224-04	1	SWITCH, PROXIMITY
109	CS-0009431-01	2	O-RING
108	MS-0303516	4	M5 SCREW, BUTT HD x 12mm
106	MS-0103521	3	M5 SCREW, SKHD CP x 35mm
105	CS-0009431-02	1	SEAL
104	NC-0010884	.05	ADHESIVE, LOCTITE #242
103	MS-0303416	8	M4 SCREW, BUTT HD x 12mm
102	MW-0263510	29	M5 WASHER, STAR
101	MS-0103520	20	M5 SCREW, SKHD CP x 30mm
100	MS-0553411	1	M4 SCREW, SET x 4mm
99	MW-0193510	62	M5 WASHER, LOCK
98	MW-0103510	35	M5 WASHER, FLAT
97	MS-0303515	36	M5 SCREW, BUTT HD x 10mm
96	CS-0009431-04	2	O-RING
95	SG-0001902-02	1	BALL SCREW, X-AXIS (CHINA
94	MS-0103616	16	M6 SCREW, SKHD CP x 12mm
93	MW-0103810	4	M8 WASHER, FLAT
92	MW-0193810	40	M8 WASHER, LOCK
91	MS-0103818	4	M8 SCREW, SKHD CP x 20mm
90	MS-0104226	4	M12 SCREW, SKHD CP x 60mm
89	MW-0193610	50	M6 WASHER, LOCK
88	MW-0103610	34	M6 WASHER, FLAT
87	MS-0575018	1	M20 SCREW, SOC SET FLAT
86	MS-0103518	4	M5 SCREW, SKHD CP x 20mm
85	SG-0001902-01	1	BALL SCREW, Z-AXIS
84	S-0010700-09	3	PLUG, LEE
83	OR-0004346	1	O-RING
82	OR-0000406	8	O-RING
81	OR-0006063	1	O-RING, 3-3/4 ID x .093
80	MW-0103410	8	M4 WASHER, FLAT
79	SG-0011198-17	2	SEAL, CR#12740
78	SG-0010331-02	42	PLUG, LINEAR GUIDE
77	OR-0007275	1	O-RING, 4.5 ID x .093
76	SG-0010115-ZR	1	WAYCOVER, Z AXIS REAR
75	SG-0012128	1	TORQUE LIMITER
74	SG-0010115-X	1	WAYCOVER, X AXIS
71	SG-0010115-ZF	1	WAYCOVER, Z AXIS FRONT
70	SG-0008316-05	1	LINEAR WAYS, Z-AXIS SP
69	SGA-0008316-04	1	LINEAR WAYS, X-AXIS SP
68	SGA-0008316-01	1	LINEAR WAYS, X-AXIS GEN
ITEM	PART NUMBER	QTY	DESCRIPTION

67	SGA-0008316	1	LINEAR WAYS, Z-AXIS GEN
66	SG-0001902-X	1	BALL SCREW, X-AXIS
64	CS-0009431-25	1	O-RING
63	CS-0011198-03	2	CR #12710 SEAL
62	CSA-0004140	10	BEARING, BALL SCREW SUPPO
61	MS-0103819	36	M8 SCREW, SKHD CP x 25mm
60	CSA-0011976	4	BUMPER
59	SG-0011976-01	1	STOP, Z-AXIS
57	SG-0011027-02	1	LABYRINTH, REAR Z-AXIS
56	SG-0010115-65	1	COVER, CROSS SLIDE - REAR
54	SG-0011027-C	1	DRIP EDGE, TRAM OIL
53	SGA-0010224-04	1	SWITCH, PROXIMITY
52	MS-0553512	4	M5 SCREW, SOC SET CUP
51	SG-0010215-07	1	BRACKET, PROXIMITY SWITCH
49	SG-0006481-01	4	GIB, GUIDE TRUCK
48	MS-0103517	54	M5 SCREW, SKHD CP x 16mm
46	SG-0011423-02	1	SUPPORT, HEADWALL
45	SG-0011083	1	SHIM, TRAM
44	SG-0011027	1	BRACKET
43	CS-0010994	.11	GREASE
42	NC-0010884-01	.27	ADHESIVE, LOCTITE #222
41	SG-0010115-41	1	COVER, TORQUE LIMITER
40	SGA-0010115-4B	1	COVER, X-AXIS MOTOR
39	SG-0010115-35	1	COVER
38	SG-0010115-34	1	COVER, SWITCH
37	SG-0010115-33	1	COVER, REAR WAY X-AXIS
36	CL-0002840-01	8	WASHER, FLAT 7/16 HARDENE
35	CS-0008050-02	1	WIPER
34	CS-0008050-01	1	WIPER
33	CS-0008050	1	WIPER
32	SG-0003990-25	1	LABYRINTH, FRONT Z-AXIS
31	SG-0003990-24	1	COVER, CARRIAGE FRONT
30	SGA-0002990-45	1	LABYRINTH, X-AXIS
29	SG-0002990-20	1	BRACKET, GORETUBE
28	SG-0011027-01	1	LABYRINTH, REAR Z-AXIS
27	CSB-0011976-02	2	STOP, Z-AXIS AFT
26	MS-0103617	27	M6 SCREW, SKHD CP x 16mm
25	CSB-0010421-01	1	PLATE, MOTOR MOUNT Z-AXIS
24	CSA-0000492	2	NUT, ADJUSTABLE SPIETH
23	MS-0103519	6	M5 SCREW, SKHD CP x 25mm
22	CS-0001799-09	1	NUT, ADJUSTING
21	CSA-0011137	2	RETAINER, BEARING
20	SGA-0011137-F	1	RETAINER, FRONT BEARING X
19	CS-0011198-14	2	SEAL, LABYRINTH
18	CS-0002022	1	KEY
17	CS-0000260-05	2	NUT, LOCK
16	CL-0011083	1	RETAINER, TRAM SHIM
14	CL-001799-02	1	NUT, BEARING
10	CH-0004732	3	PLUG, BRASS
9	BP-0000402	1	PLUG, BRASS
7	CSB-0000343	1	RETAINER, BEARING Z-AXIS
6	CSA-0011776-01	1	HOUSING, BEARING
5	SG-0011776-F	1	HOUSING, BEARING-FRONT X-
4	SG-0011776	1	HOUSING, BEARING
3	SGA-0010115-32	1	COVER, BRAKE
2	SGA-0007202	1	CROSS SLIDE
1	SG-0000371-B	1	CARRIAGE, C.S. MACHINE
ITEM	PART NUMBER	QTY	DESCRIPTION

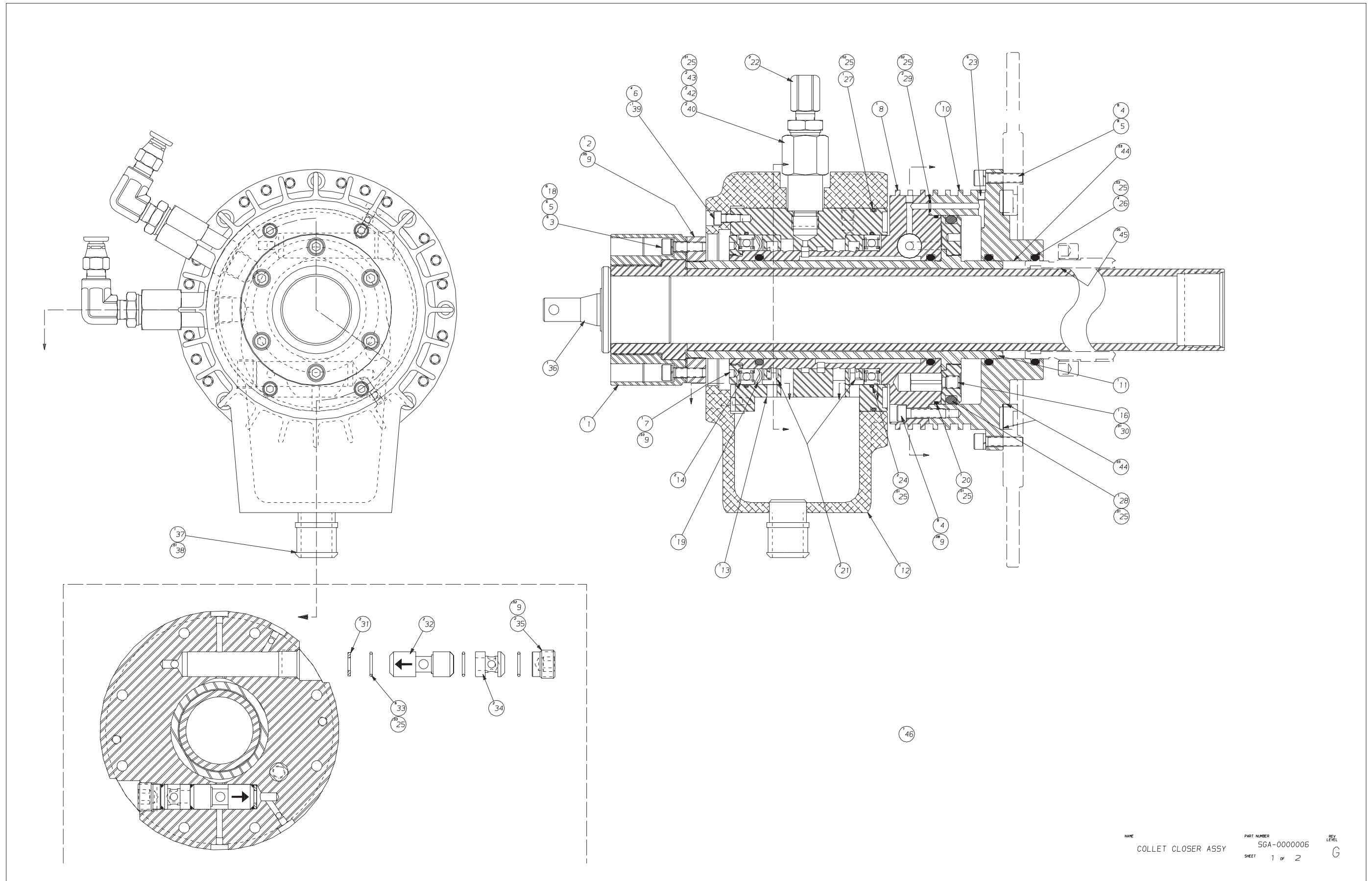
NAME  
CARRIAGE-CROSS SLIDE ASSY

PART NUMBER  
SGD-0006730

SHEET  
7 of 7

REV  
LEVEL  
D

# Collet Closer Assembly

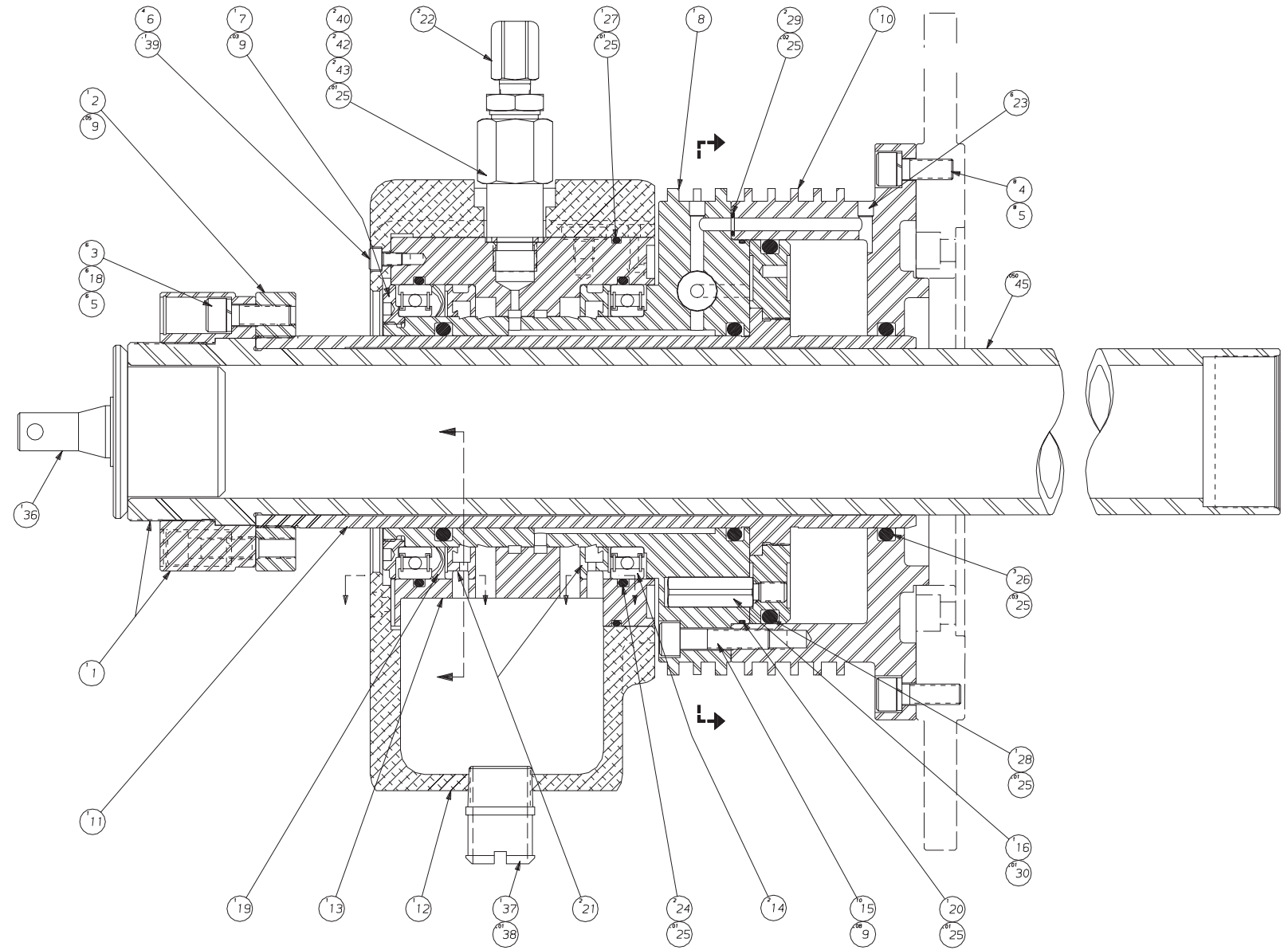
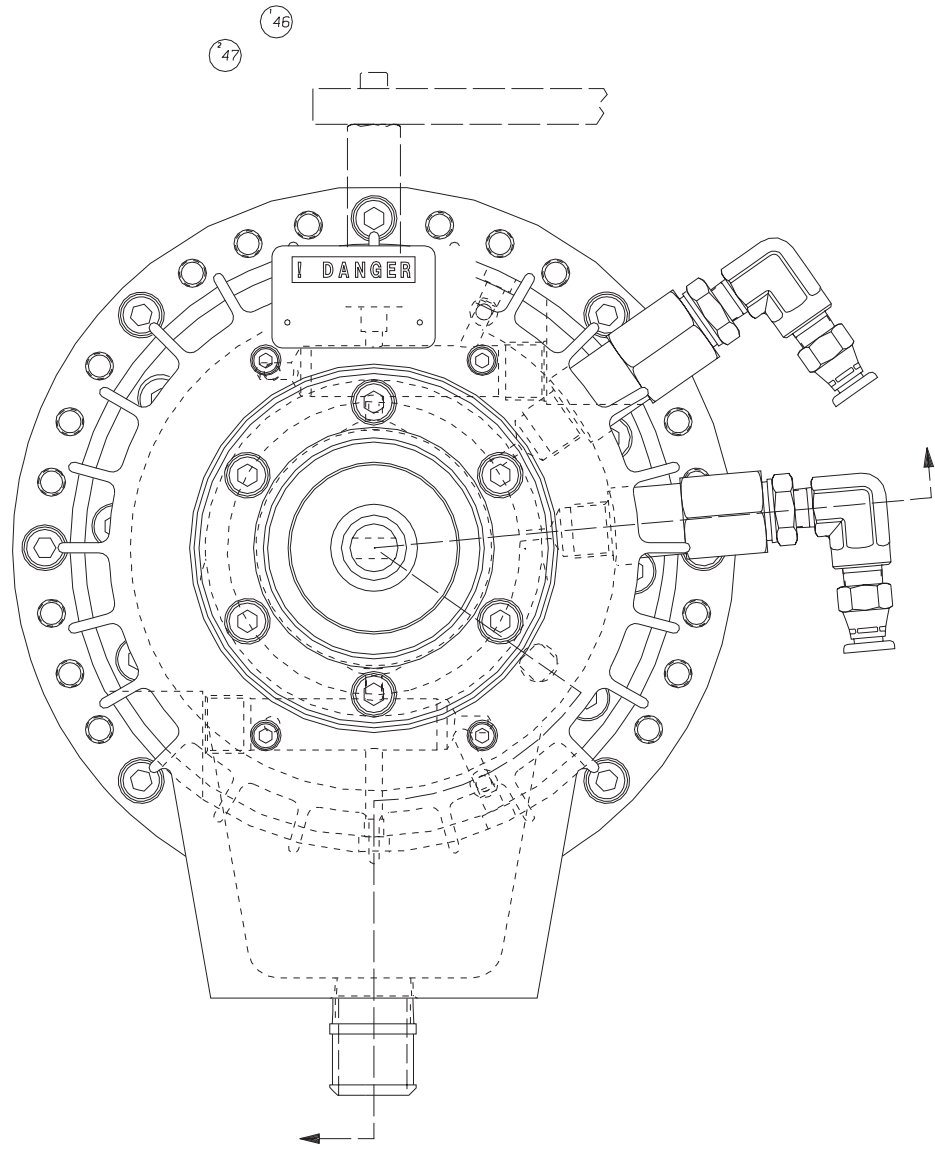


NAME COLLET CLOSER ASSY  
 PART NUMBER SGA-0000006  
 SHEET 1 of 2  
 REV LEVEL G

46	LO-0002623	1	ASSEMBLY INSTRUCTIONS
45	CS-0010994	0	MOBIL 28 GREASE
44	VS-0010440	0	ANTI-SIEZE (MOLYLUBE)
43	11-0009431	2	O-RING
42	CS-0010421-02	2	RING FOR ADAPTER
40	CS-0011259-13	2	CONNECTOR, HYD. (METRIC)
39	NC-0010884-01	0	ADHESIVE, LOCTITE #222
38	SB-0010884-5	0	HYDRAULIC SEALANT
37	CS-0003504-02	1	CONNECTOR, 3/4-14 NPT
36	SB-0011973	1	TURN-TITE CLOSURE ASS.
35	CL-0004646	2	PLUG, RETAINING
34	CL-0010481-01	2	SPACER
33	CL-0011198-04	6	SEAL, CARTRIDGE (EXTERNAL)
32	CL-0003048-01	2	VALVE, CARTRIDGE LOCK
31	CL-0003230-01	2	WASHER
30	CN-0010884	0	ADHESIVE, LOCTITE #680
29	SG-0009431-02	2	O-RING, 3.8 X 1.5 (MM)
28	SG-0009431-03	1	O-RING, 108X6 (MM)
27	SG-0009431-29	1	O-RING, 123 X 2.5 (MM)
26	SG-0009431-01	4	O-RING 61 X 4.5
25	RF-0010994	0	M55 GREASE
24	SG-0009431-04	2	O-RING, 94X2 (MM)
23	SG-0007703	6	PLUG, LEE
22	CS-0011259-11	2	FITTING, ELBOW
21	SG-0007852	2	RING, SEALING
20	SG-0009431-05	1	O-RING, 115X2 (MM)
19	SG-0007335	1	SPRING, WAVE
18	45-0008231-01	6	RING, RETAINING
16	SG-0011143-01	1	PIN
14	SG-0008233	2	BEARING, COLLET CLOSER
13	SG-0004197-01	1	BODY, HYDRAULIC INLET
12	SG-0004197	1	HOUSING, DRAIN
11	SG-0009259-A	1	PISTON SLEEVE ASSY
10	SG-0000407-01	1	HOUSING, RING
9	NC-0010884	0	ADHESIVE, LOCTITE #242
8	SG-0010768-01	1	PISTON CAP
7	SG-0000492-03	1	NUT, ADJUSTING
6	MS-0103516	4	M5 SCREW, SOC HD X 12 MM
5	MW-0193610	14	LOCK WASHER M6, SPRING
4	MS-0103619	16	M6 SCREW, SOC HD X 25 MM
3	MS-0103618	6	M6 SCREW, SOC HD X 20 MM
2	SG-0000492-02	1	NUT, ABUTMENT
1	SGA-0003015-A	1	DRAWTUBE ASSEMBLY
ITEM	PART NUMBER	QTY	DESCRIPTION

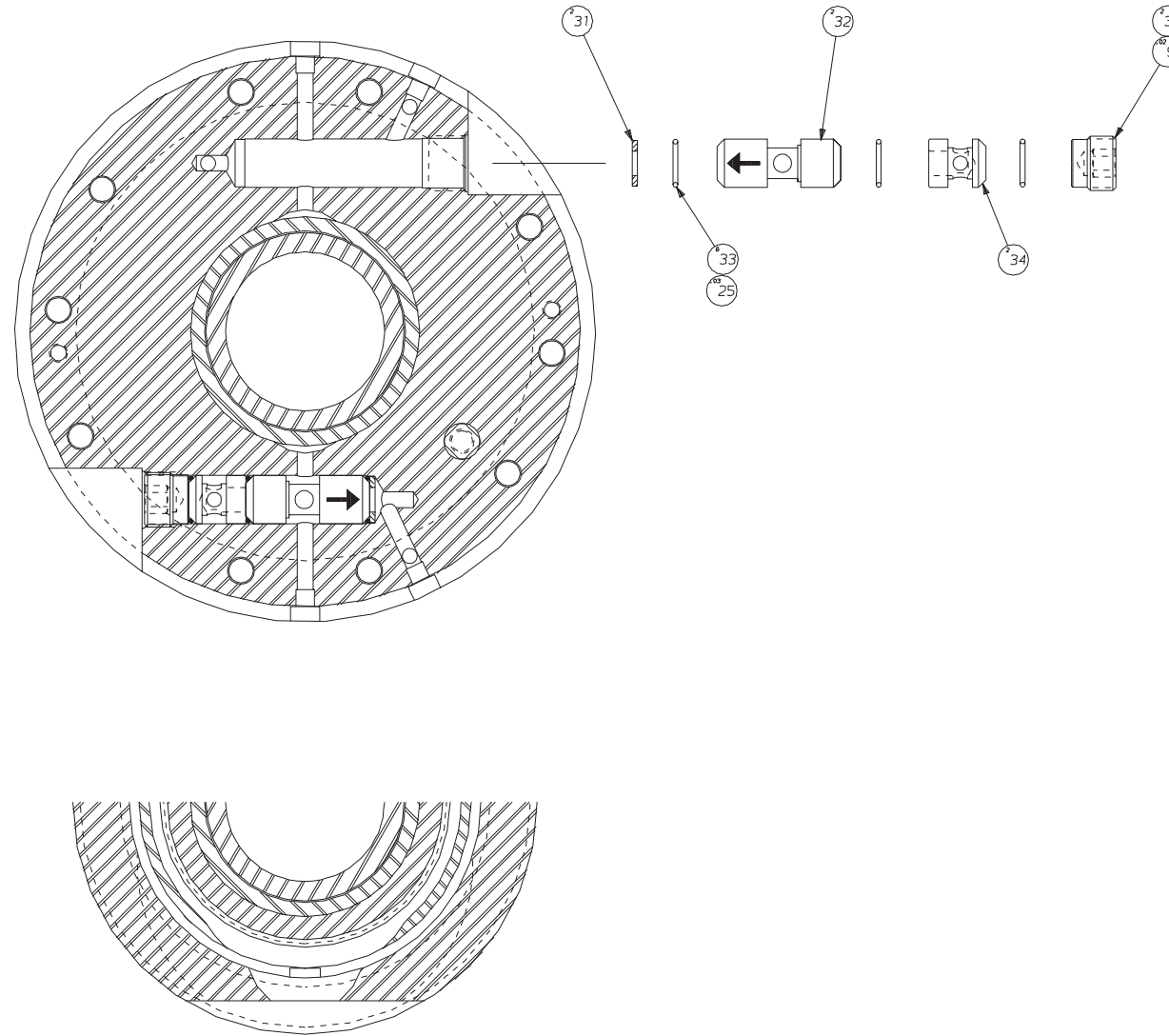
NAME COLLET CLOSER ASSY PART NUMBER SGA-0000006 REF LEVEL A  
SHEET 2 of 2

# Collet Closer Assembly, Big-Bore Machine



NAME COLLET CLOSER ASSY PART NUMBER SG-0000006-BB REV LEVEL E  
SHEET 1 of 2



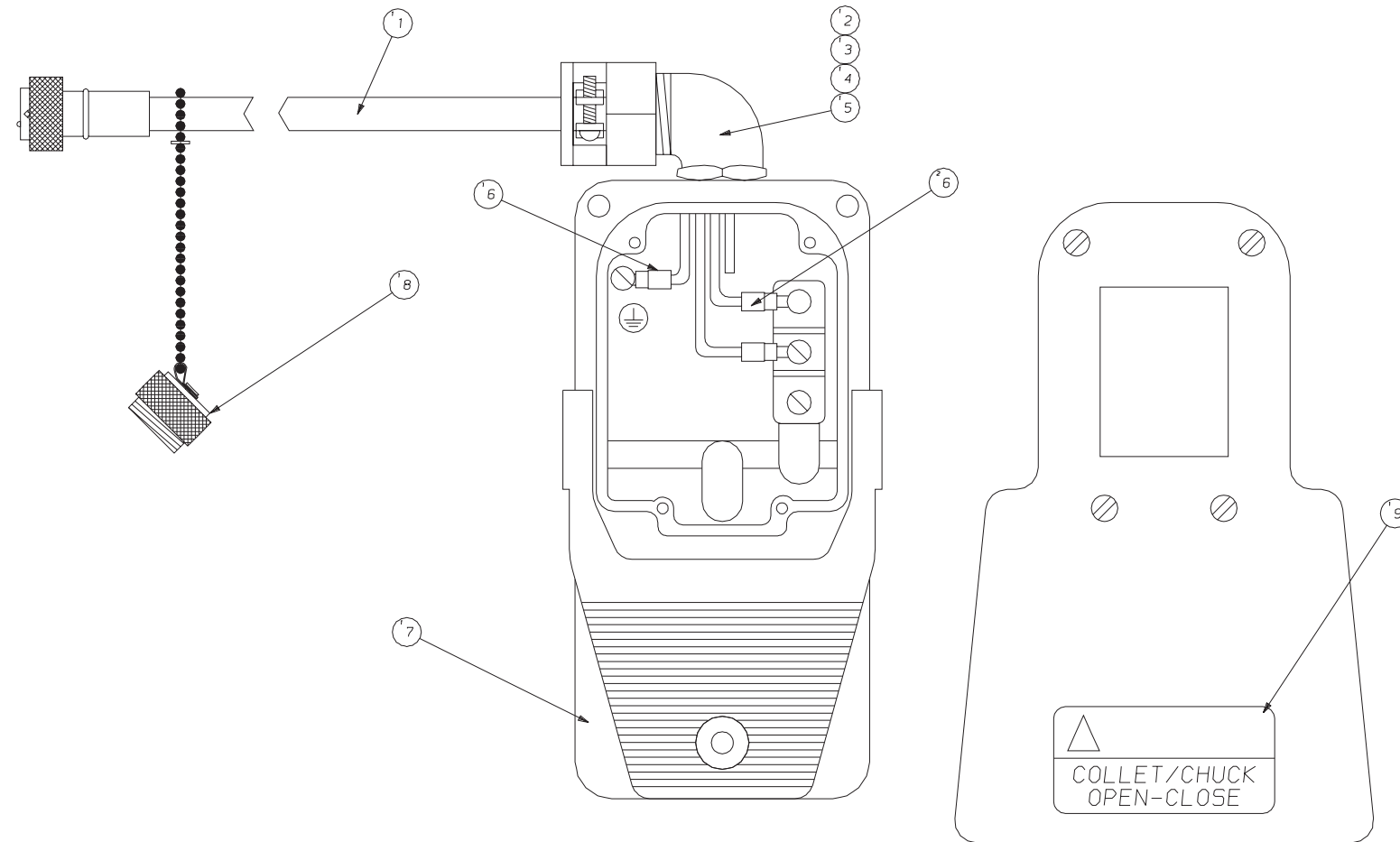


48 49

49	CL-0009189-01	1	T-WRENCH, 6mm
48	LO-0002557	1	INST. COLLET CLOSER
47	R -0008044	2	PIN, ESCUTCHEON
46	CLB-0010302-04	1	TAG, DANGER-FINGER SHEAR P
45	CS-0010994	0	MOBILE 28 GREASE
43	11-0009431	2	O-RING
42	CS-0010421-02	2	RING FOR ADAPTER
40	CS-0011259-13	2	CONNECTOR, HYD. (METRIC)
39	NC-0010884-01	0	ADHESIVE, LOCTITE #222
38	SB-0010884-5	0	HYDRAULIC SEALANT
37	CS-0003504-02	1	CONNECTOR, 3/4-14 NPT
36	CL-0011973-01	1	PLUG, TURN TITE EXPANSION
35	CL-0004646	2	PLUG, RETAINING
34	CL-0010481-01	2	SPACER
33	CL-0011198-04	6	SEAL, CARTRIDGE (EXTERNAL)
32	CL-0003048-01	2	VALVE, CARTRIDGE LOCK
31	CL-0003230-01	2	WASHER
30	CN-0010884	0	ADHESIVE, LOCTITE #680
29	CL-0009431-02	2	O-RING
28	CL-0009431-03	1	O-RING
27	CS-0009431-29	1	O-RING
26	CL-0009431-01	3	O-RING
25	RF-0010994	0	M55 GREASE
24	OR-0007276-V	2	O-RING
23	CL-0007703	6	PLUG, LEE
22	CS-0011259-11	2	FITTING, ELBOW
21	CL-0007852	2	RING, SEALING
20	CL-0009431-05	1	O-RING
19	CL-0007335	1	SPRING, WAVE
18	56-0008231-01	6	RING, RETAINING
16	CLA-0011143-01	1	PIN
15	MS-0103821	10	M8 SCREW, SOCKET HD CAP
14	CLA-0008233	2	BEARING, COLLET CLOSER
13	CL-0004197-01	1	BODY, HYDRAULIC INLET
12	CL-0004197	1	HOUSING, DRAIN
11	CLA-0009259-A	1	PISTON SLEEVE ASSY
10	CLA-0000407-01	1	HOUSING, RING
9	NC-0010884	0	ADHESIVE, LOCTITE #242
8	CL-0010768-01	1	PISTON CAP
7	CL-0000492-03	1	NUT, ADJUSTING
6	MS-0103514	4	M5 SCREW, SOCKET HD CAP
5	MW-0193810	14	LOCK WASHER, SPRING
4	MS-0103818	8	M8 SCREW, SOCKET HD CAP
3	MS-0103819	6	M8 SCREW, SOCKET HD CAP
2	CLA-0000492-02	1	NUT, ABUTMENT
1	SG-0003015-B	1	DRAWTUBE ASSEMBLY
ITEM	PART NUMBER	QTY	DESCRIPTION

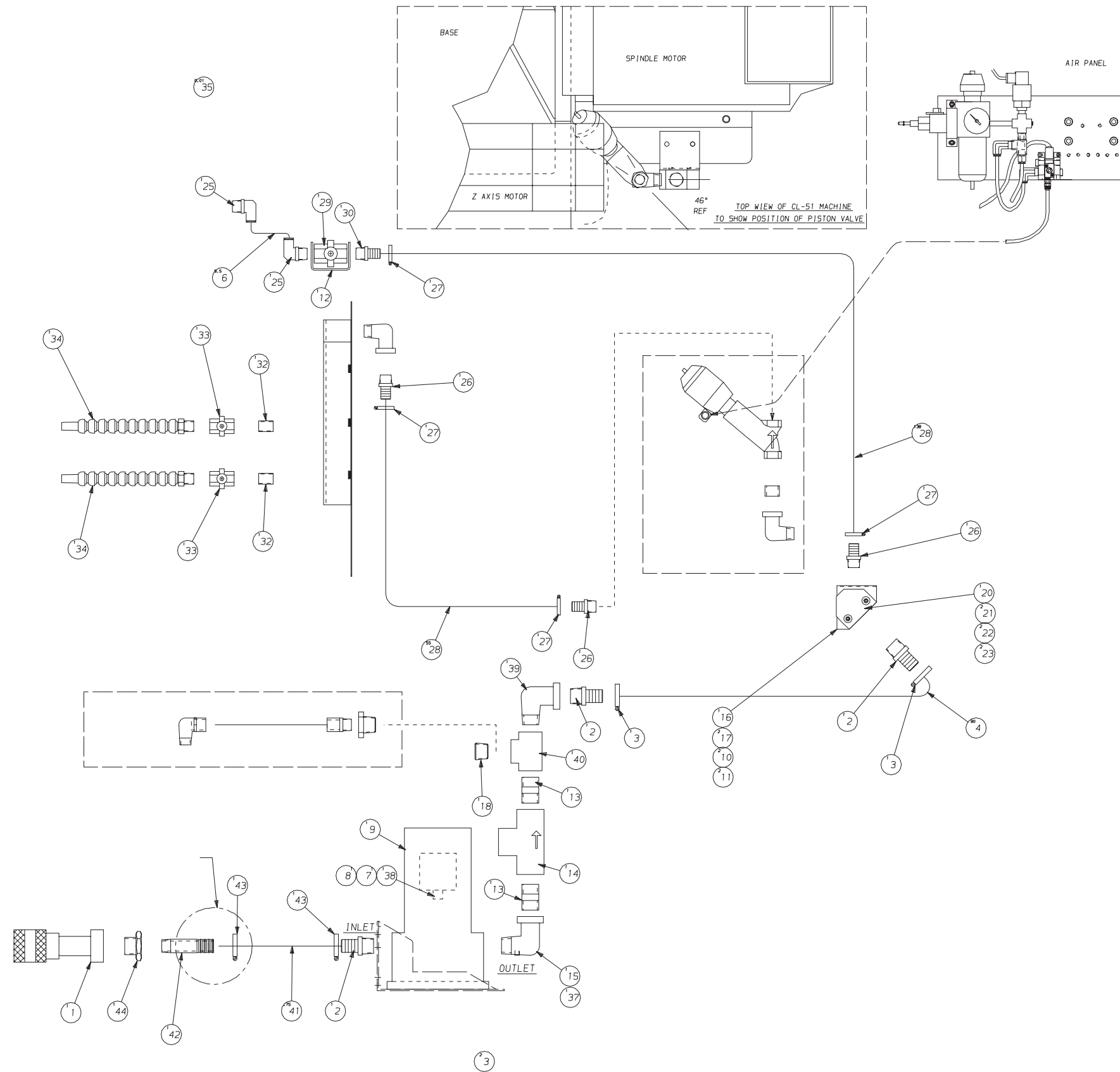
NAME COLLET CLOSER ASSY PART NUMBER SG-0000006-BB<sup>REV</sup> SHEET 2 of 2 D

# Collet Closer Foot Switch Assembly



9	HG-0010366-01	1	TAG
8	CS-0012042-16	1	PLUG
7	HG-0003650-01	1	SWITCH, FOOT
6	863-0009188	3	STAKON
5	HG-0011030	1	COMPRESSION NUT
4	HG-0009532	1	GROMMET
3	NT-0009207-11	1	WASHER
2	DB-0009207-A	1	BODY, 90 DEG.
1	CL-0003011-J2	1	CABLE
ITEM	PART NUMBER	QTY	DESCRIPTION

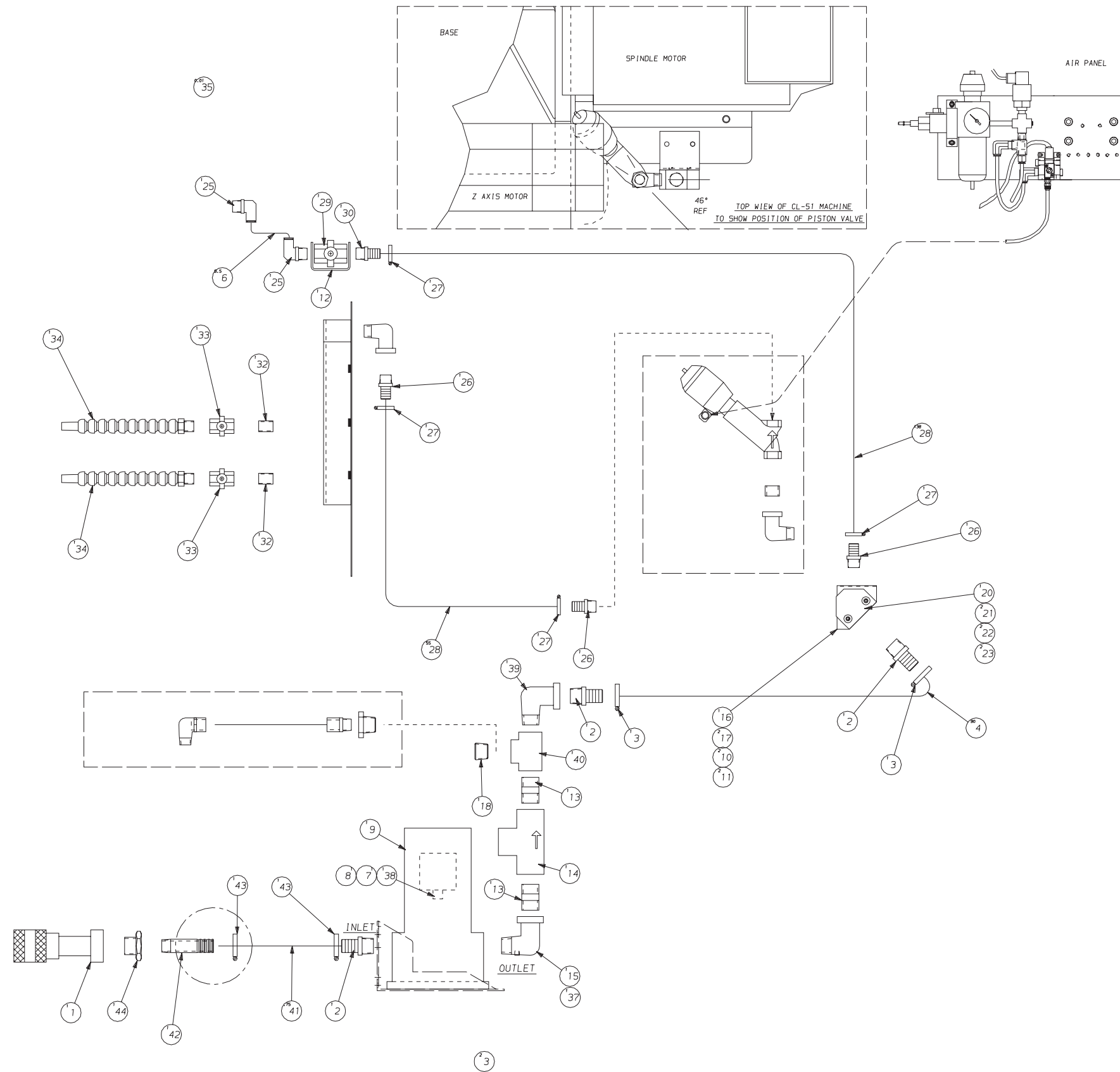
NAME ASSEMBLY, FOOT SWITCH      PART NUMBER HGA-0003650      REV. LEVEL 0  
 SHEET 1 of 1



44	CS-0001914-11	1	ADAPTER, PIPE 1" TO 3/4"
43	SG-000696601	2	CLAMP, HOSE
42	ECB-008686	1	PIPE, POSITIONED DOWN
41	CL-0006965	.75	HOSE-1"
40	SG-0010785-03	1	TEE, 1 X 1 X 1/2
39	CL-0007703-01	1	ELBOW, 1" STREET
38	37-0009207-50	1	CONNECTOR, CABLE
37	5-0001467	1	PLUG, PIPE 1/8
35	SB-0010884-5	.01	SEALANT-HYDRALIC
34	CCA-0007011-C2	2	NOZZLE, 1/2" (18" LONG)
33	CN-0010059	2	BALL VALVE, 1/2"
32	CN-0011092	2	NIPPLE, 1/2" CLOSE
30	SG-0010786	1	CONN., 3/8 NPT TO 3/4 HOS
29	SG-0010059	1	VALVE, COOLANT BALL
28	7500006965FG	193	HOSE - 3/4"
27	CC-0006966-01	4	CLAMP, HOSE
26	CS-0008384-02	3	HOSE CONNECTOR, 3/4 TO 3/4
25	SG-0007702-02	2	CONNECTOR, 90° PUSH ON
23	MW-0193510	2	WASHER, M5 LOCK
22	MW-0103510	2	WASHER, M5 FLAT
21	MS-0103521	2	SCREW, M5 SOC HD X 35MM
20	CL-0009467-01	1	MANIFOLD, INLET
18	TM-0006992	1	PLUG, 1/2 NPT HOLLOW PIPE
17	MS-0103819	2	SCREW, M8 SOC. HD X 25MM
16	SG-0001990-89	1	BRACKET, COOLANT VALVE
15	CL-0010110-01	1	ELBOW, 1" DRAIN
14	CL-0011452	1	1" VALVE, CHECK
13	SG-0003504-01	2	NIPPLE, 1"NPTF X 2"
12	SG-0001990-90	1	BRACKET, COOLANT VALVE
11	MW-0193810	2	WASHER, LOCK (M8)
10	MW-0103810	2	WASHER, FLAT (M8)
9	CS-0003325-01CE	1	PUMP, COOLANT
8	AH-0011508	1	NUT
7	50-0010226	1	GASKET
6	SG-0007007	9.5	TUBING, 1/2 OD
4	CS-0006965-01	90	HOSE-1"
3	SB-0006966-02	4	CLAMP, HOSE
2	CL-0008384	3	1" CONNECTOR, NPTF
1	CL-0011259	1	1" CONNECTOR, HYD.
ITEM	PART NUMBER	QTY	DESCRIPTION

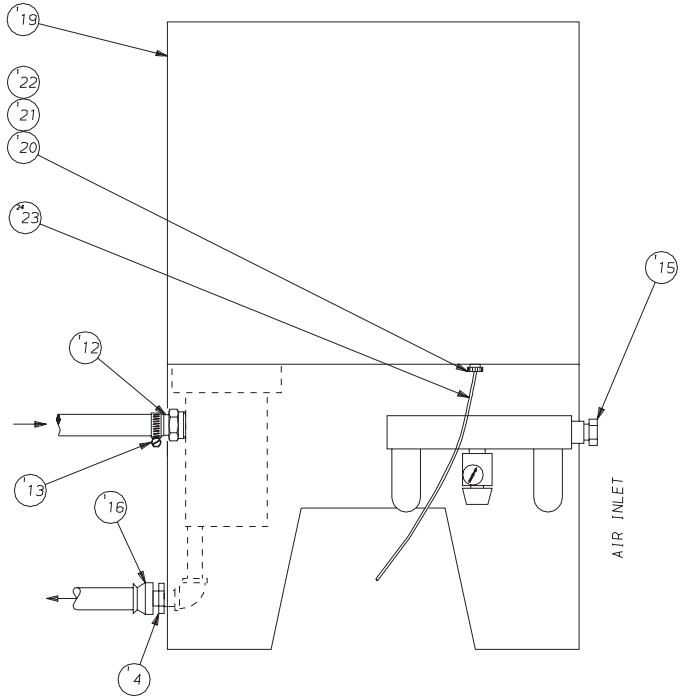
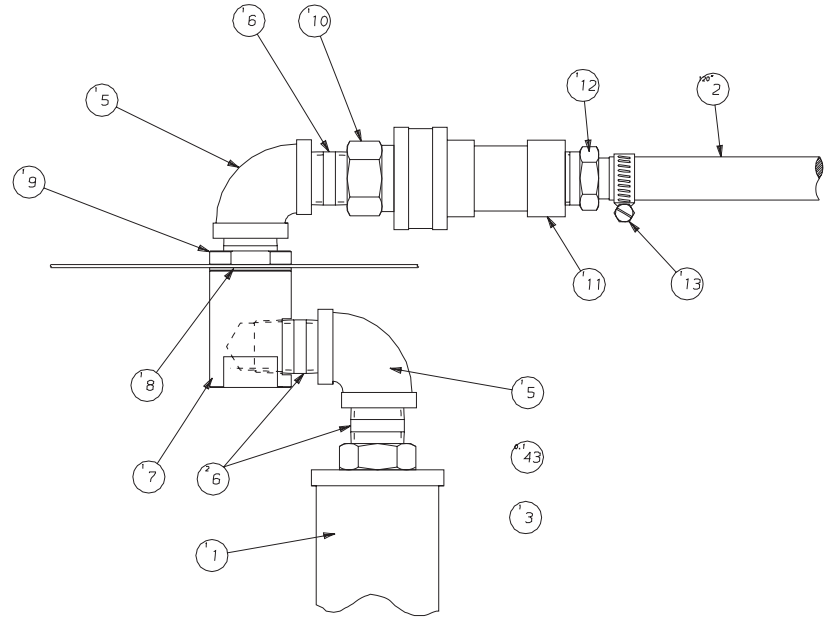
NAME SG-42 COOLANT FACILITIES PART NUMBER SG-0003310-CE REV. LEVEL C  
 HEADWALL AND UPPER TURRET  
 TURRET COOLANT CONTROL SHOWN SHEET 1 of 1

# Coolant Facilities, Non-CE Mark



ITEM	PART NUMBER	QTY	DESCRIPTION
44	CS-0001914-11	1	ADAPTER, PIPE 1" TO 3/4"
43	SG-000696601	2	CLAMP, HOSE
42	ECB-008686	1	PIPE, POSITIONED DOWN
41	CL-0006965	.75	HOSE-1"
40	SG-0010785-03	1	TEE, 1 X 1 X 1/2
39	CL-0007703-01	1	ELBOW, 1" STREET
38	37-0009207-50	1	CONNECTOR, CABLE
37	5-0001467	1	PLUG, PIPE 1/8
35	SB-0010884-5	.01	SEALANT-HYDRALIC
34	CCA-0007011-C2	2	NOZZLE, 1/2" (18" LONG)
33	CN-0010059	2	BALL VALVE, 1/2"
32	CN-0011092	2	NIPPLE, 1/2" CLOSE
30	SG-0010786	1	CONN., 3/8 NPT TO 3/4 HOS
29	SG-0010059	1	VALVE, COOLANT BALL
28	7500006965FG	193	HOSE - 3/4"
27	CC-0006966-01	4	CLAMP, HOSE
26	CS-0008384-02	3	HOSE CONNECTOR, 3/4 TO 3/4
25	SG-0007702-02	2	CONNECTOR, 90° PUSH ON
23	MW-0193510	2	WASHER, M5 LOCK
22	MW-0103510	2	WASHER, M5 FLAT
21	MS-0103521	2	SCREW, M5 SOC HD X 35MM
20	CL-0009467-01	1	MANIFOLD, INLET
18	TM-0006992	1	PLUG, 1/2 NPT HOLLOW PIPE
17	MS-0103819	2	SCREW, M5 SOC. HD X 25MM
16	SG-0001990-89	1	BRACKET, COOLANT VALVE
15	CL-0010110-01	1	ELBOW, 1" DRAIN
14	CL-0011452	1	1" VALVE, CHECK
13	SG-0003504-01	2	NIPPLE, 1"NPTF X 2"
12	SG-0001990-90	1	BRACKET, COOLANT VALVE
11	MW-0193810	2	WASHER, LOCK (M8)
10	MW-0103810	2	WASHER, FLAT (M8)
9	CSA-0003325-01	1	PUMP, COOLANT
8	AH-0011508	1	NUT
7	50-0010226	1	GASKET
6	SG-0007007	9.5	TUBING, 1/2 OD
4	CS-0006965-01	90	HOSE-1"
3	SB-0006966-02	4	CLAMP, HOSE
2	CL-0008384	3	1" CONNECTOR, NPTF
1	CL-0011259	1	1" CONNECTOR, HYD.

NAME SG-42 COOLANT FACILITIES PART NUMBER SG-0003310 REV LEVEL G  
 HEADWALL AND UPPER TURRET SHEET 1 of 1

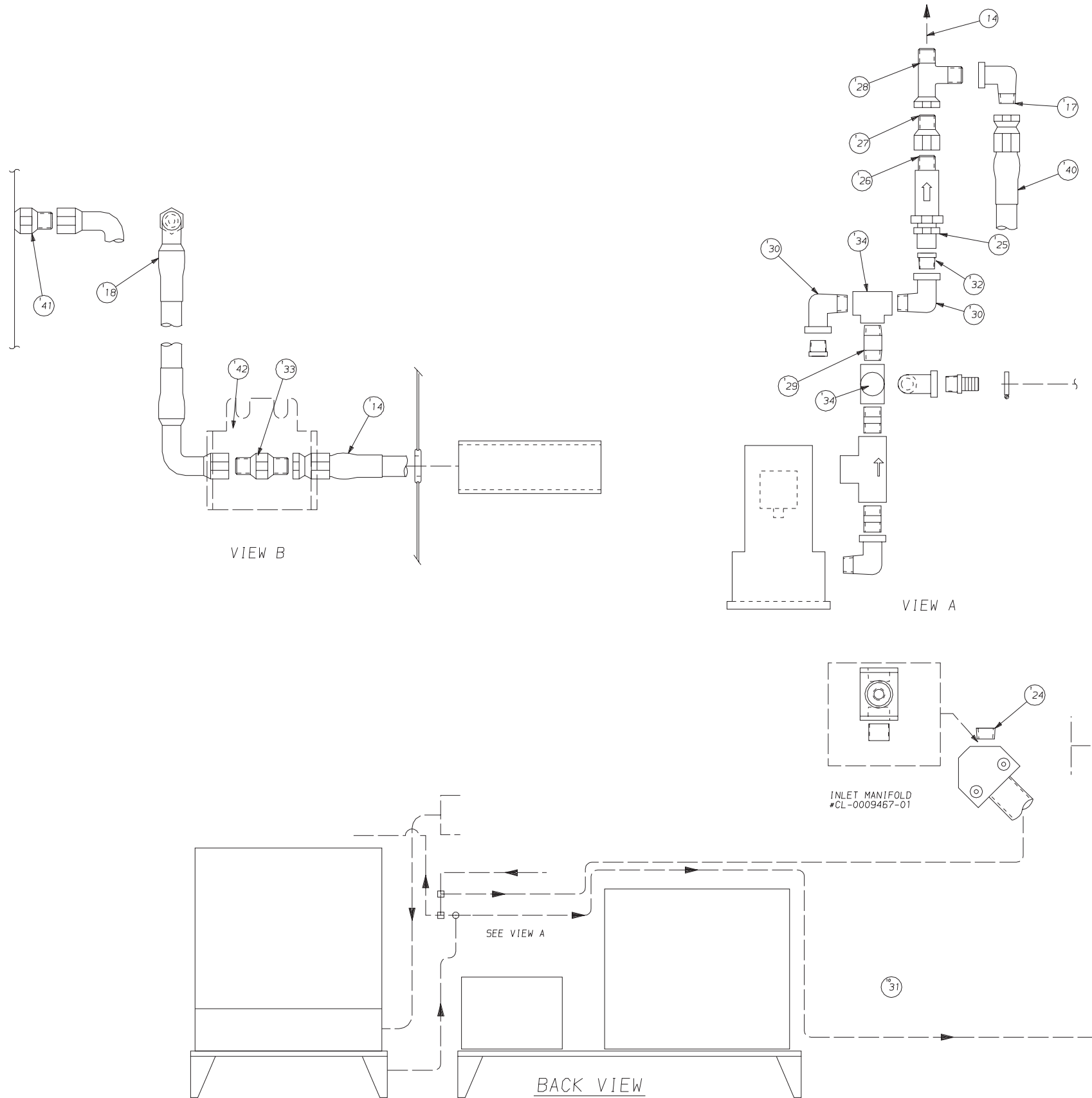


FINISH      CHECKED BY      APPROVED BY

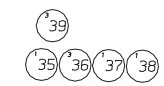
NAME      PART NUMBER      REV. LEVEL

HIGH PRESSURE COOLANT LAYOUT      LO-0003248      A

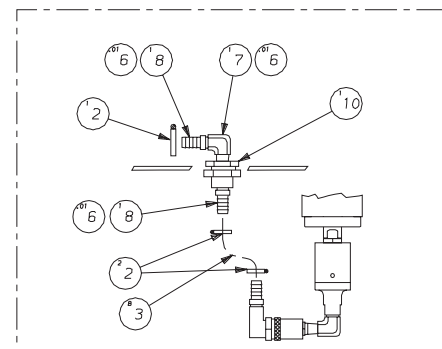
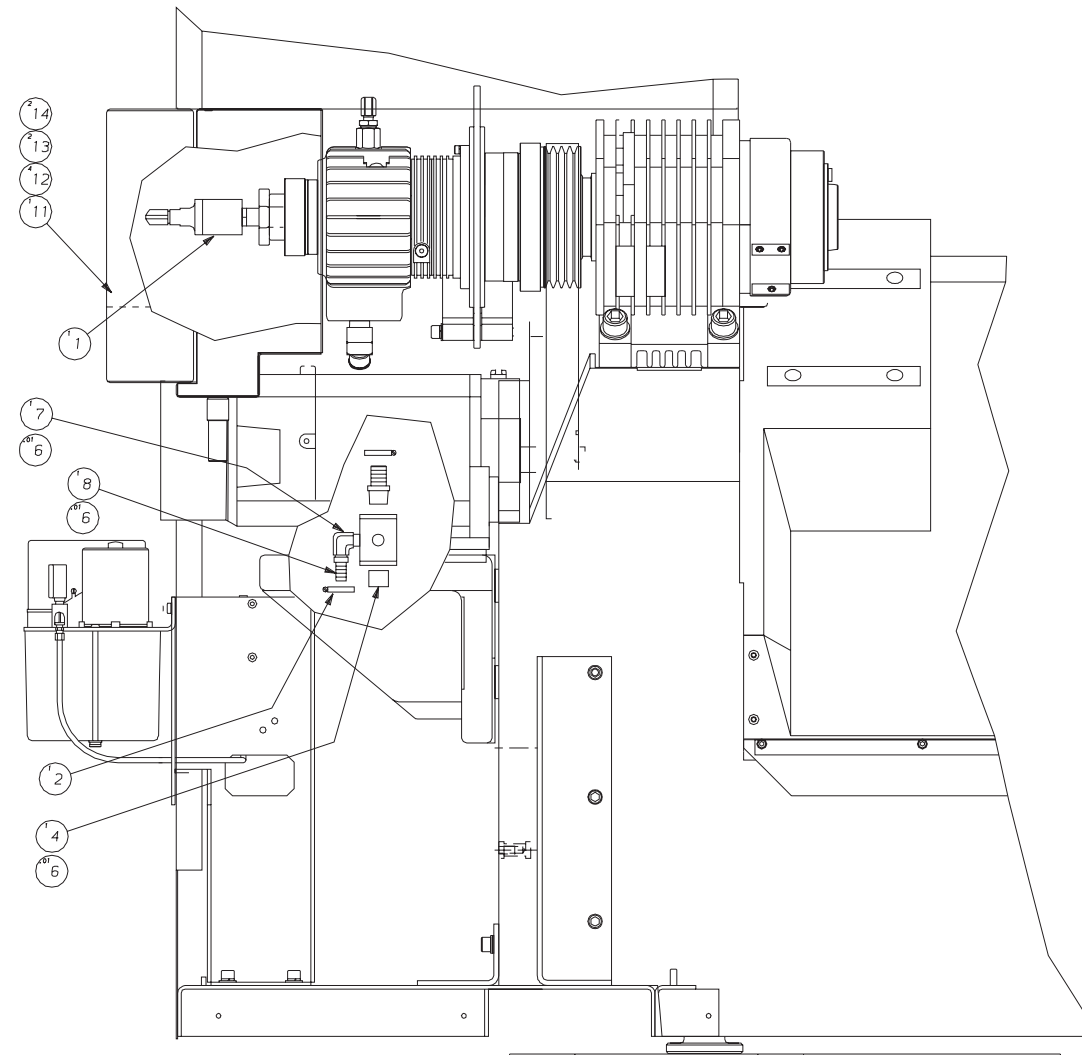
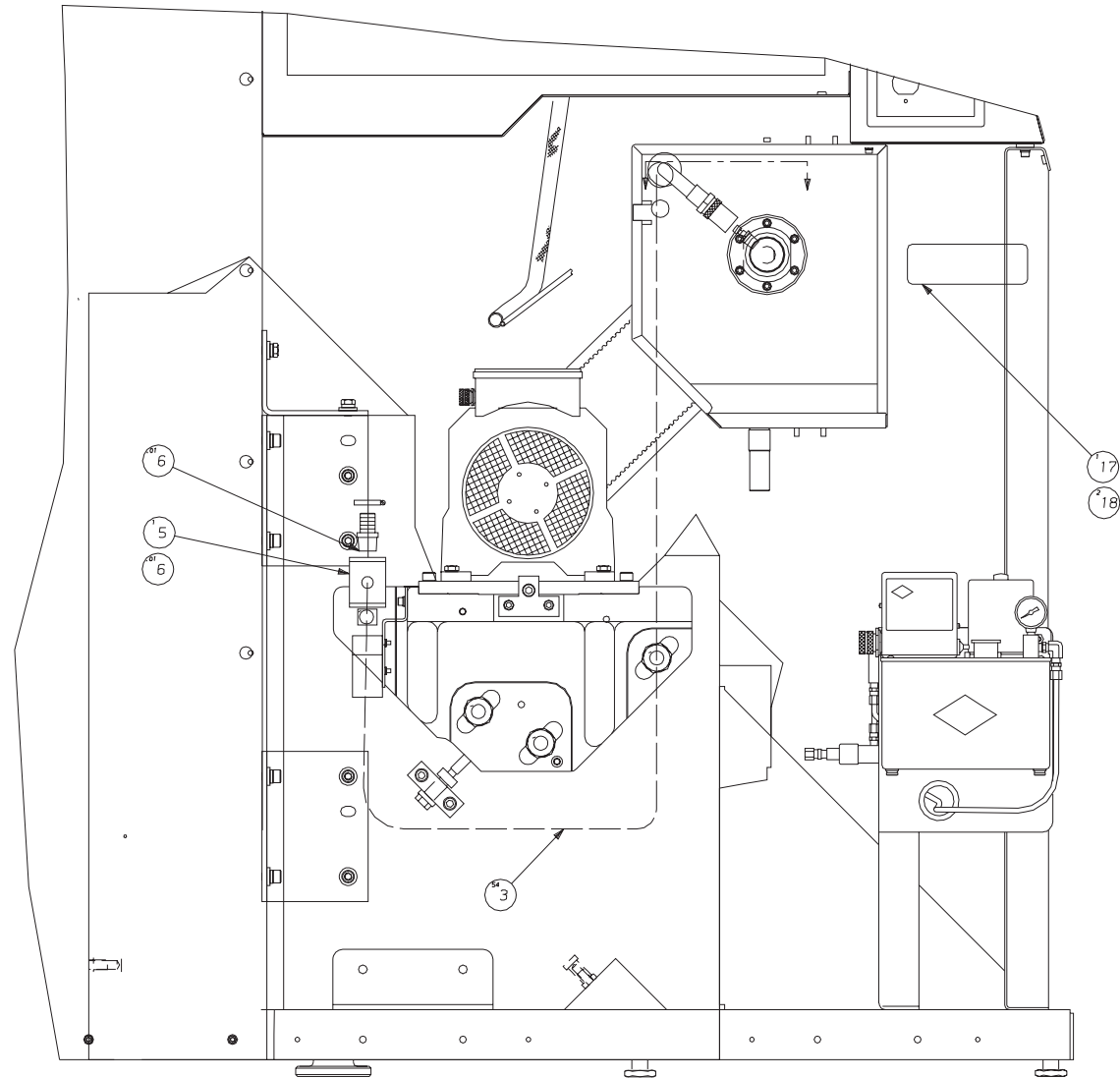
(56-42) LONG BED      SHEET 3 of 4



43	3-0010884-01	.1	ADHESIVE
42	SG-0001990-12	1	BRACKET, HOSE
41	SB-0008384-01	1	ADAPTER
40	CS-0007007-03	1	HOSE ASSY, HYD 72
39	CS-0010331-04	3	PLUG
38	RF-0011971	1	BAG-MAIL
37	LO-0002224	1	INSTRUCTIONS, PRIMING
36	CS-0009424-03	3	WASHER, TOOL HOLDER
35	LOA-0002686	1	LO, SG 42 HP COOLANT
34	SG-0007702-03	2	TEE, 1x1x1
33	SG-0007703-03	1	UNION, HEX
32	SG-0009424	1	1-1/2 BUSHING
31	AH-0009910	10	TIE-RAPS (LARGE)
30	CL-0007703-01	2	ELBOW, 1 STREET
29	SG-0003504	1	1 NIPPLE
28	CS-0008384-08	1	ADAPTER, TEE
27	CS-0008384-07	1	ADAPTER, STRAIGHT
26	CS-0011452-05	1	VALVE, CHECK
25	CS-0010337	1	ADAPTER, PIPE 3/4NPT - 1/2
24	MD-0003487	1	3/4 NPT PLUG
23	18A- 0003011-04	24	CABLE
22	AH-0011508	1	NUT, LOCK
21	50-0010226	1	GASKET ASSEMBLY, 1/2 INCH
20	18-0009207-50	1	CONNECTOR CABLE
19	CS-0003325-02	1	COOLANT PUMP, HIGH PRESSU
18	SG-0007007-01	1	HOSE ASSY, HYD
17	CS-0008384-06	1	ADAPTER, 90 SWIVEL
16	CL-0010331-03	1	PLUG, 37 DEG FLARE
15	CS-0001914-10	1	BUSHING PIPE
14	CS-0007007-05	1	HOSE ASSY. HYD - 231
13	SB-0006966-02	2	CLAMP, HOSE
12	CL-0008384	2	CONNECTOR, 1" NPTF
11	CL-0011259	1	COUPLER, 1" QUICK CONNECT
10	CL-0011259-03	1	COUPLER, QUICK DISCONNECT
9	SG-0009342-CT	1	NUT, CHIP TANK ADAPTER
8	SG-0010116-CT	1	GASKET, CHIP TANK ADAPTER
7	SG-0001914-BA	1	ADAPTER, CHIP TANK
6	SG-0003504-01	3	1" NPT x 2" SCHD 40 NIPPL
5	MC-0007703-03	2	ELBOW, 1" NPT 90° FEMAL
4	CL-0008384-02	1	ADAPTER, PIPE TO 37 DEG F
3	SB-0010884-5	1	SEALANT, HYD
2	CL-0006965	120	HOSE, 1" SOFT PVC REINFOR
1	CS-0011614-02	1	FILTER
ITEM	PART NUMBER	QTY	DESCRIPTION



NAME HIGH PRESSURE COOLANT LAYOUT PART NUMBER LO-0003248  
 (SG-42) LONG BED SHEET 4 of 4 LEVEL B



18	R-0008044	2	PIN
17	CS-0010302	1	TAG
16	LO-0002645	1	INSTRUCTIONS, INSTALLATION
15	H-0009500-0984	1	TAG
14	SG-0004990-59	2	HOOK
13	CS-0011738-02	2	LATCH
12	CN-0011198-01	4	TRIM SEAL
11	SG-0003780-CC	1	COVER
10	CC-0007703-01	1	BULKHEAD UNION 1/4 NPT
8	CS-0010786-04	3	FITTING, BARBED
7	A0-0010786	2	ELBOW, STREET 1/4 NPT
6	SB-0010884-5	0	SEALANT, HYDRAULIC
5	CL-0007702	1	BLACK M1 TEE 3/4 X 3/4 X
4	CS-0003504	1	NIPPLE, 3/4 CLOSE
3	500-0006965	62	HOSE, 1/2 IN. I.D.
2	CC-0006966-01	4	HOSE CLAMP
1	SG-0003310-T	1	THRU SPINDLE SUB ASSY.
ITEM	PART NUMBER	QTY	DESCRIPTION

15 16

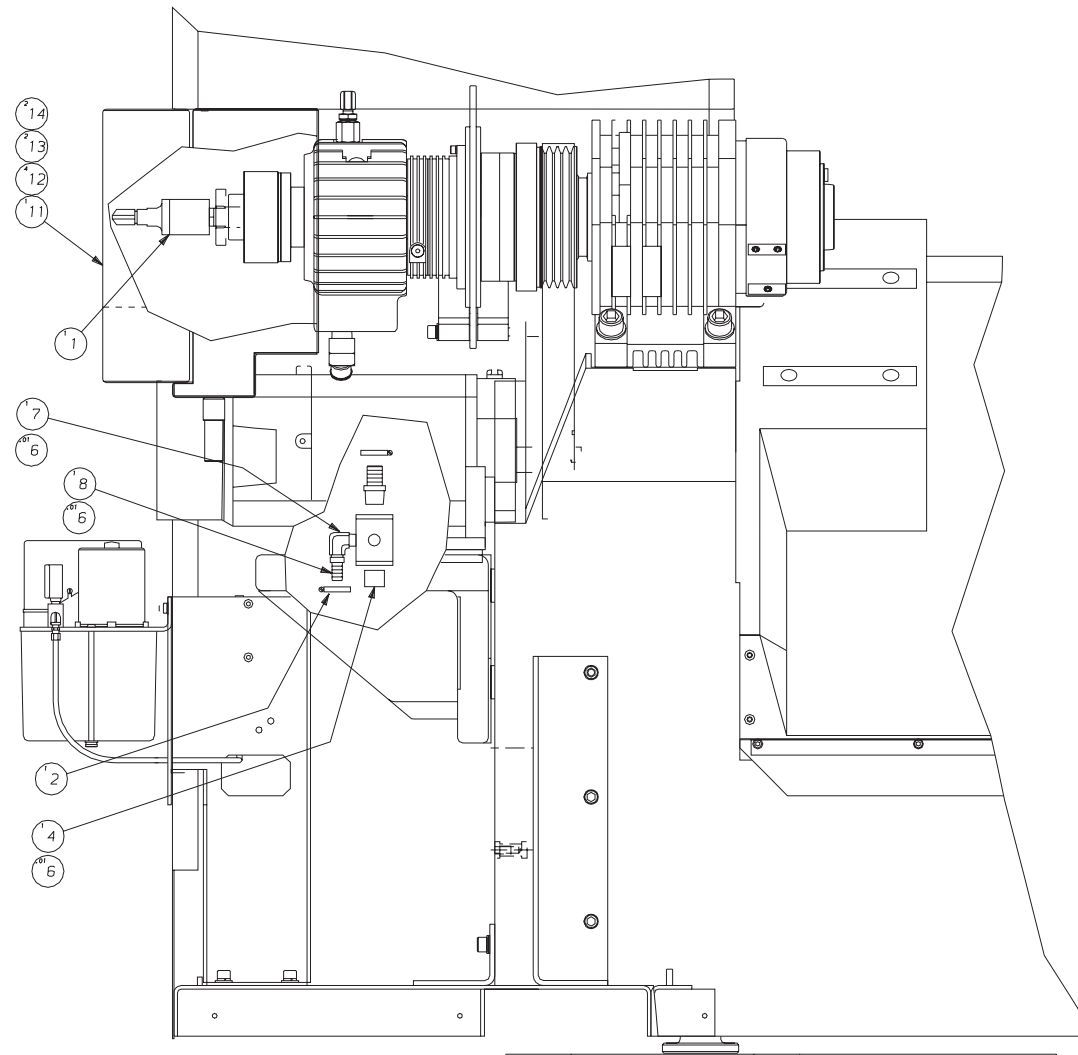
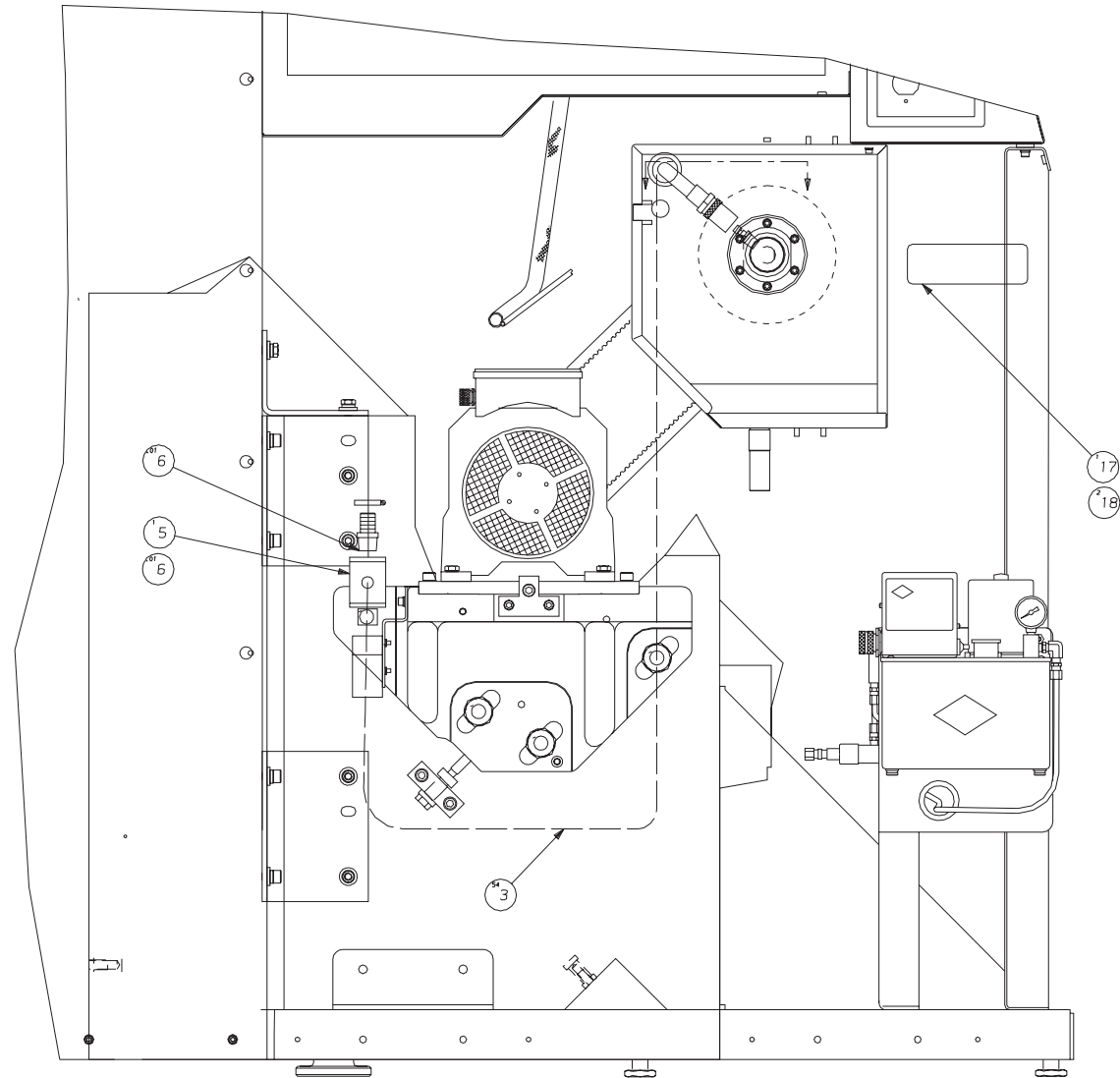
NAME  
COOLANT THRU SPINDLE  
ASSY.

PART NUMBER  
SG-0003310-TS

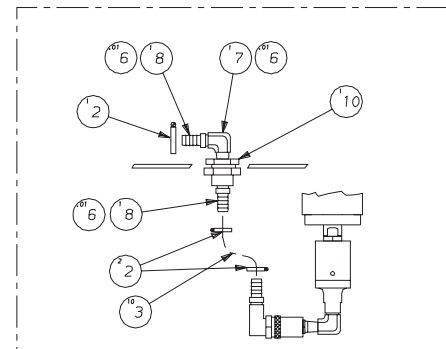
SHEET  
1 of 1

REV  
LEVEL  
A

# Coolant, Thru-Spindle, Big-Bore Machine



15 16



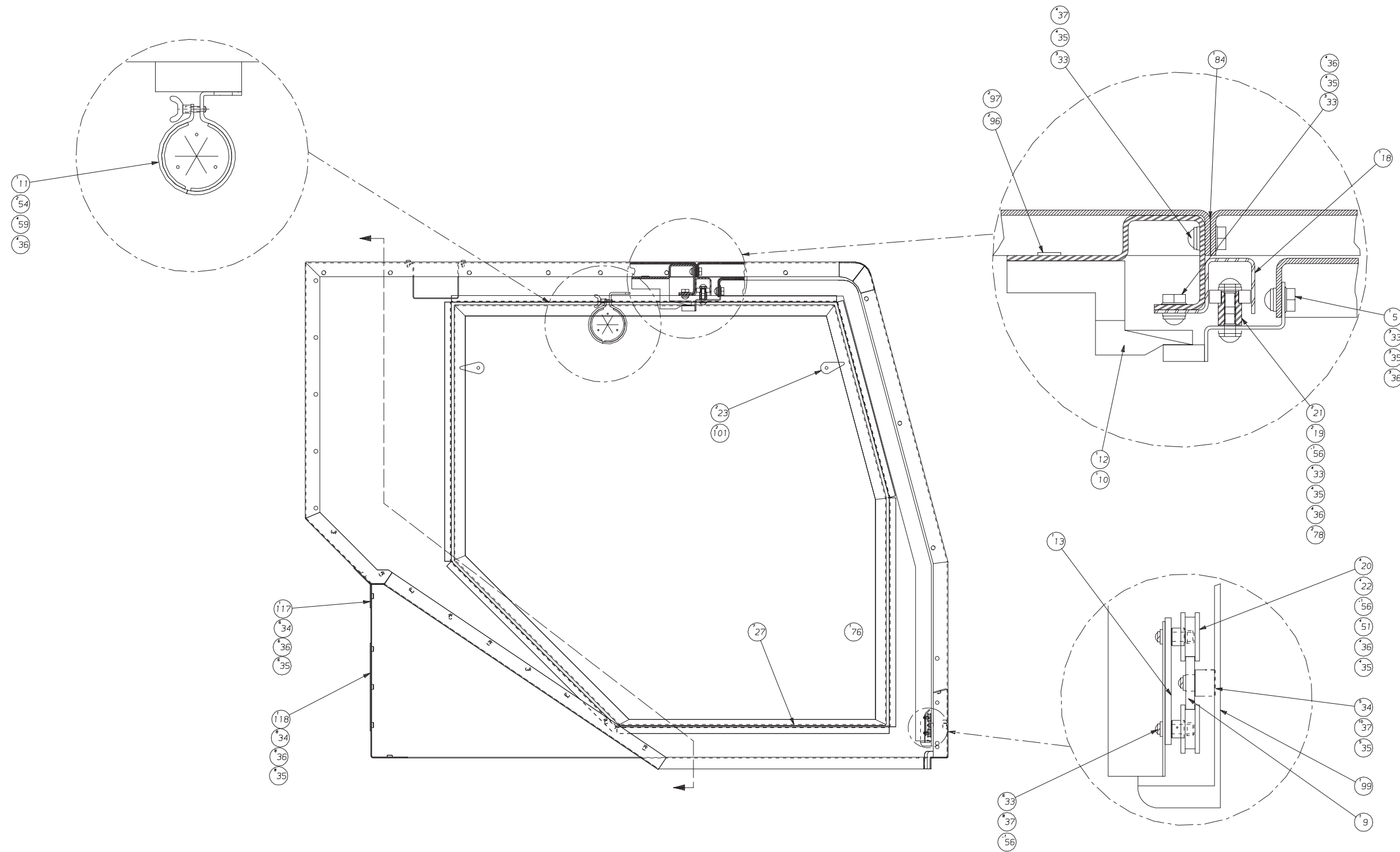
18	R-0008044	2	PIN
17	CS-0010302	1	TAG
16	LO-0002645	1	INSTRUCTIONS, INSTALLATION
15	H-0009500-0984	1	TAG
14	SG-0004990-59	2	HOOK
13	CS-0011738-02	2	LATCH
12	CN-0011198-01	4	TRIM SEAL
11	SG-0003780-CC	1	COVER
10	CC-0007703-01	1	BULKHEAD UNION 1/4 NPT
8	CS-0010786-04	3	FITTING, BARBED
7	A0-0010786	2	ELBOW, STREET 1/4 NPT
6	SB-0010884-5	.05	SEALANT, HYDRAULIC
5	CL-0007702	1	BLACK M1 TEE 3/4 X 3/4 X
4	CS-0003504	1	NIPPLE, 3/4 CLOSE
3	500-0006965	5.33	HOSE, 1/2 IN. I.D.
2	CC-0006966-01	4	HOSE CLAMP
1	SG-0003310-T1	1	SUB ASSY THRU SPINDLE B.B.
ITEM	PART NUMBER	QTY	DESCRIPTION

NAME  
ASSY. THRU. SPINDLE  
(SG-42, BIG BORE)

PART NUMBER  
SG-0003310-TB  
SHEET 1 of 1

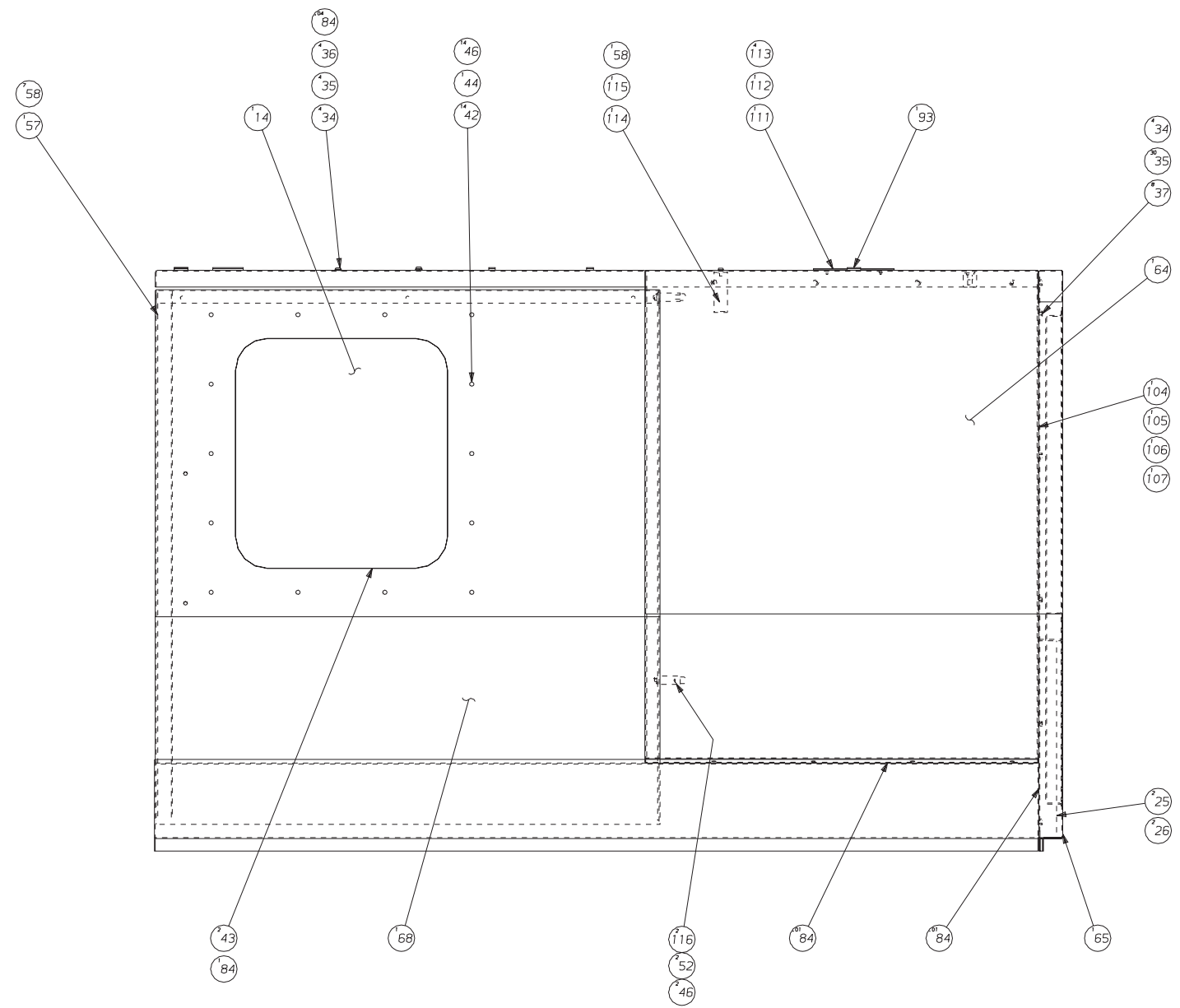
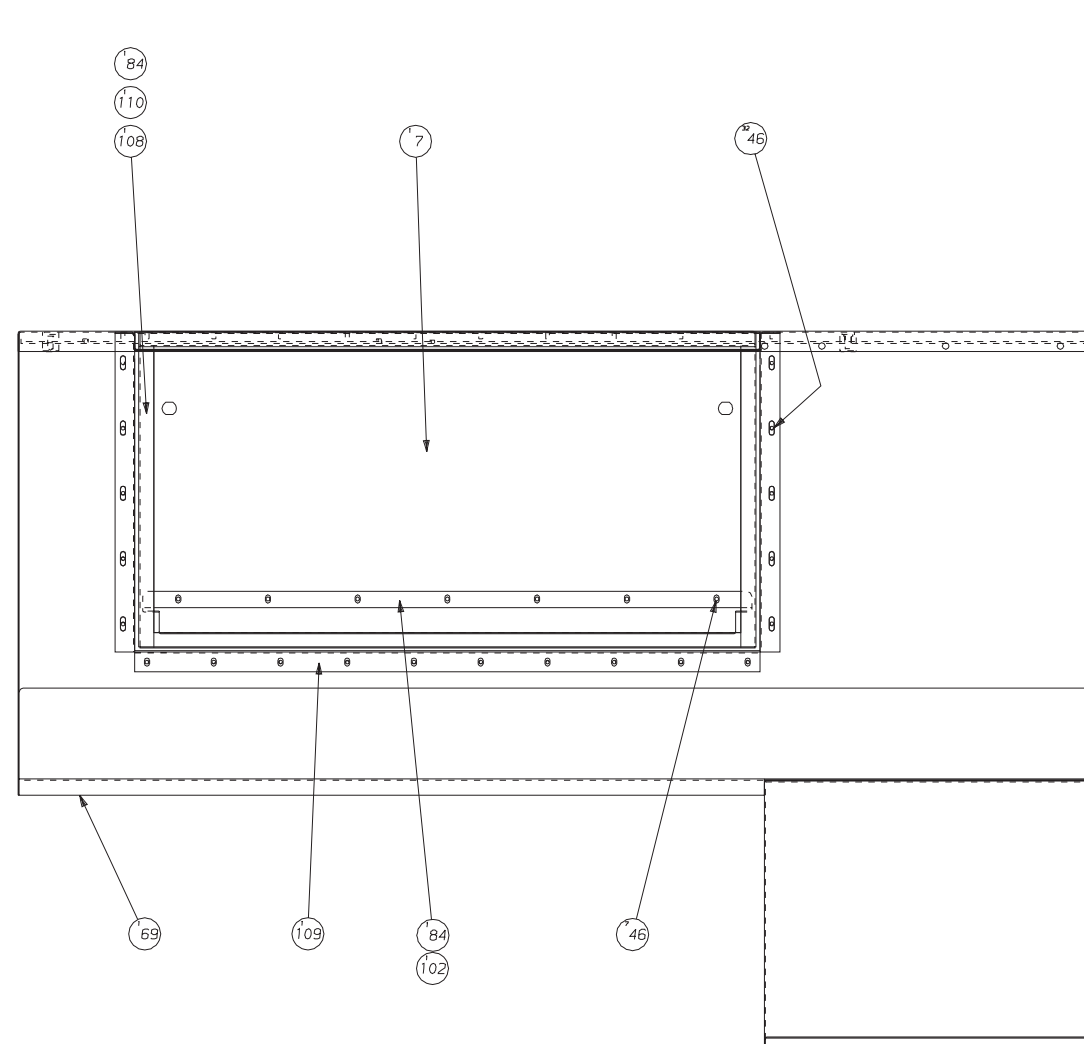
REV.  
LEVEL  
A





NAME	PART NUMBER	REV.
COOLANT GUARD ASSEMBLY	SG-0010453-LB	C
SHEET	1 of 3	

# Coolant Guard Assembly



NAME: COOLANT GUARD ASS'Y. (FRONT VIEW)  
 PART NUMBER: SG-0010453-LB  
 SHEET: 2 of 3  
 REV. LEVEL: B

118	SG-0001990-25	1	BRACKET, REAR STIFFENER
117	SG-0010115-98	1	COVER, REAR ACCESS
116	HGA-0000328	2	STOP, EXTENSION
115	MW-0263510	1	M5 WASHER, STAR
ITEM	PART NUMBER	QTY	DESCRIPTION

114	SG-0001990-BG	1	BRACKET, GORETUBE
113	MN-0113310	4	M3 NUT, HEX
112	CS-0010116-25	1	GASKET, FILTERMIST
111	CS-0010115-85	1	COVER, FILTERMIST
110	SG-0010116-94	1	GASKET, REAR DOOR (SIDES)
109	SG-0010116-RD	1	GASKET, REAR DOOR (BOTTOM)
108	SG-0001990-RB	1	RETAINER, BACK
107	SG-0010116-BR	1	GASKET, BACK RIGHT
106	SG-0010116-LR	1	GASKET, LOWER RIGHT FRONT
105	SG-0010116-MR	1	GASKET, MIDDLE RIGHT FRON
104	SGA-0010116-TR	1	GASKET, TOP RIGHT FRONT
102	SG-0001990-DA	1	DEFLECTOR, DOOR (REAR)
101	HG-0011738-02	2	PULL, DOOR
99	SG-0000221-FPLB	1	PANEL, FRONT
97	CM-0002840	2	WASHER, LOCK
96	MS-0103517	2	M5 SCREW, SHCS x 16mm
93	DP-0009604-01	1	DOT PLUG
84	GE-0010884	4.06	GASKET ADHESIVE 847
78	6-0009181	2	STAR WASHER, LOCK
76	SG-0003780-LW	1	DOOR, RT ACCESS W/O WINDO
69	SG-0000221-GA-LB	1	GUARD, REAR ASSY.
68	SG-0003780-FD	1	FRONT DOOR GUARD ASSY
65	SG-0000221-26-LB	1	GUARD, RIGHT END ASSY
64	SG-0010453-FW	1	GUARD, FRONT WELD ASSY
59	MS-0153615	4	M6 SCREW, HHCS x 10mm
58	MS-0303514	8	M5 SCREW, BHSS x 12mm
57	CS-0003990-91	1	LABRINYTH, DOOR
56	NC-0010884	.3	LOCTITE ADHESIVE
54	CS-0008915-02	2	BRACKET
52	UE-0010541	2	BUMPER, RUBBER
51	MS-0303619	4	M6 SCREW, BHSS x 25mm
46	MN-0283610	55	M6 NUT, HEX
44	CS-0003990-47	1	FRAME, WINDOW
43	CS-0010116-33	2	GASKET, WINDOW
42	CS-0011182-06	14	BUSHING, WINDOW
37	MW-0263610	30	M6 WASHER, STAR
36	MW-0183610	34	M6 WASHER, FLAT
35	MW-0103610	69	M6 WASHER, FLAT
34	MS-0303617	24	M6 SCREW, BHSS x 16mm
33	MS-0303615	19	M6 SCREW, BHSS x 10mm
27	CN-0011198-01	7	SEAL, DOOR
26	R-0000331	2	NUT
25	SB-0011695	2	DOOR ALIGNMENT PIN
23	VL-0011738	2	LATCH, RT ACCESS DOOR
22	CS-0010568-01	4	BUSHING, DOOR ROLLER LOWE
21	CS-0010568	2	BUSHING, DOOR ROLLER UPPE
20	CSA-0011404	4	DOOR ROLLER ASSEMBLY
19	AH-0011281	2	BEARING
18	SG-0000221-UT	1	UPPER TRACK, COOLANT GUAR
14	CSA-0010449-05	1	WINDOW
13	SG-0012103	1	PLATE, ROLLER MOUNTING
12	CSA-0010224-01	1	SWITCH, DOOR
11	CL-0008915-01	1	WORKLIGHT
10	HG-0003650-03	1	LEVER ARM, SWITCH
9	SG-0006324-LB	1	TRACK, DOOR
7	SG-0003780-01	1	COVER, ACCESS
5	SG-0000221-B	1	BRACKET, ROLLER MOUNTING
ITEM	PART NUMBER	QTY	DESCRIPTION

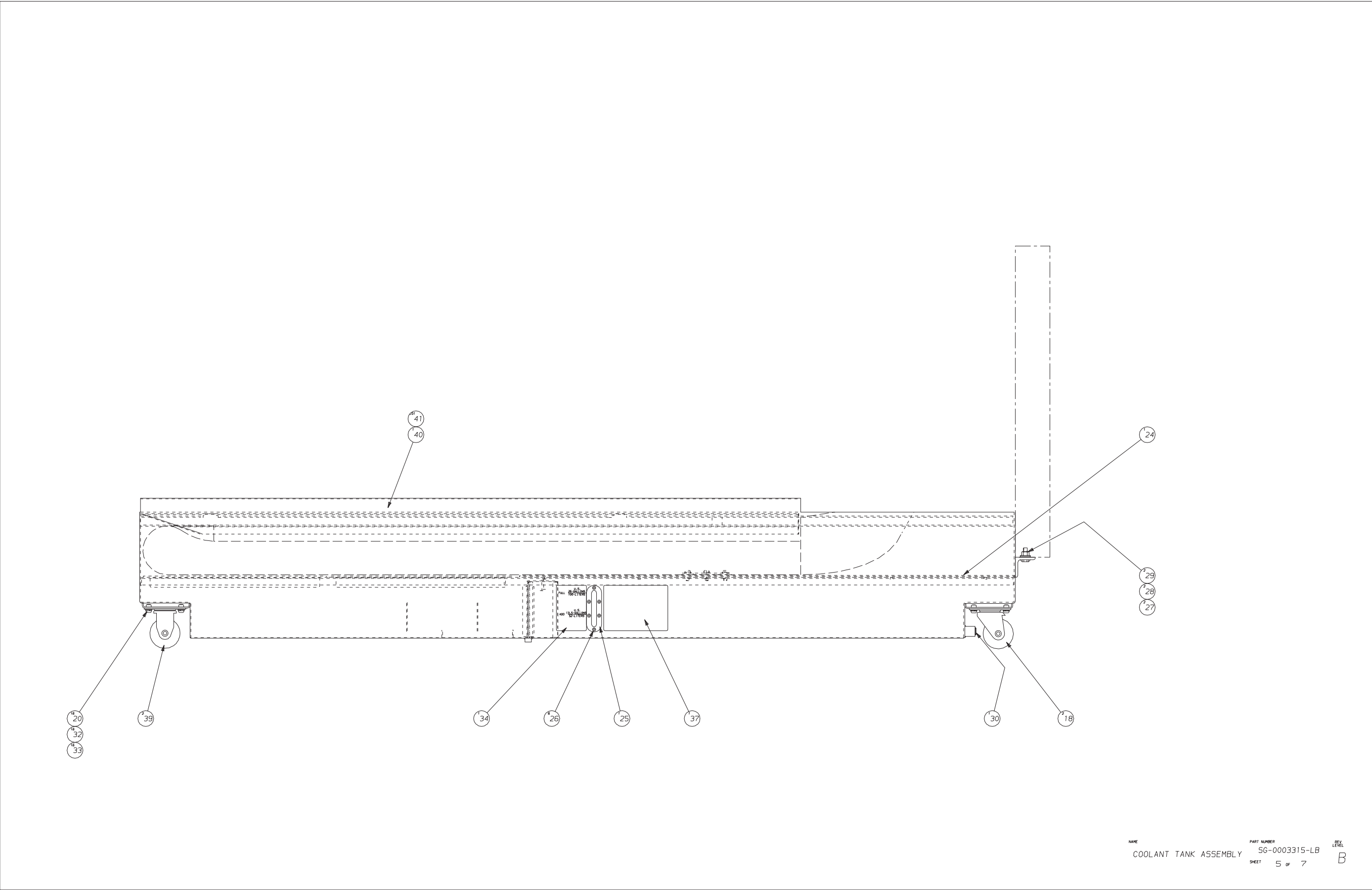
NAME  
COOLANT GUARD ASSEMBLY

PART NUMBER  
SG-0010453-LB

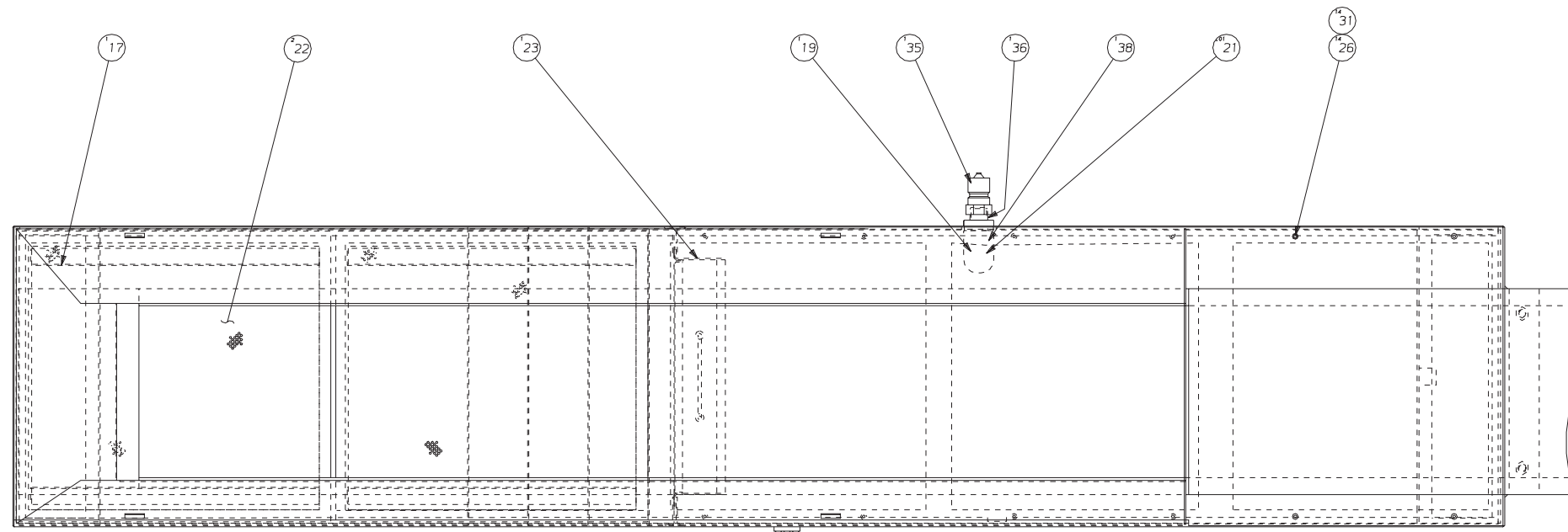
SHEET  
3 of 3

REV  
LEVEL  
A

Coolant Tank, Chip Conveyor



NAME COOLANT TANK ASSEMBLY PART NUMBER SG-0003315-LB SHEET 5 of 7 REV. LEVEL B



NAME COOLANT TANK ASSEMBLY PART NUMBER SG-0003315-LB SHEET 6 OF 7 REV LEVEL A

# Coolant Tank, Chip Conveyor

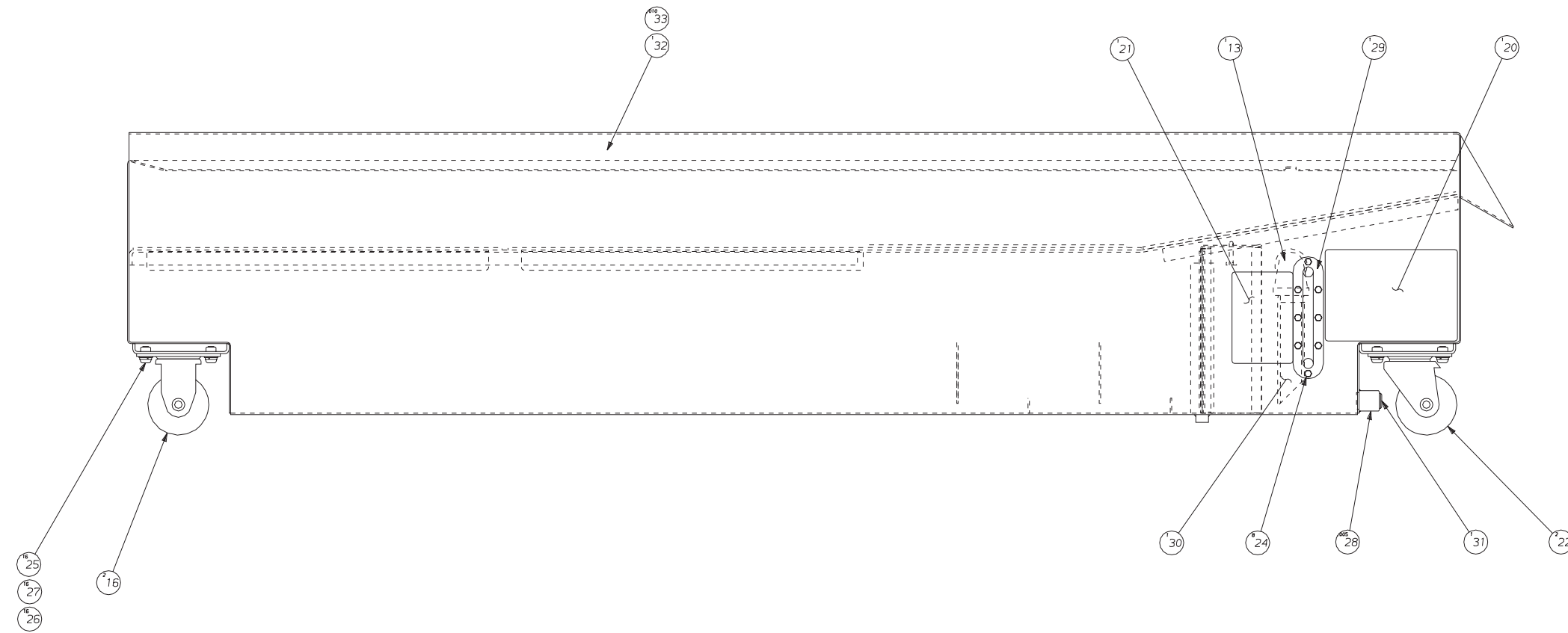
43	SG-0003315-B1	2	BAFFLE, COOLANT TANK
42	SG-0003315-B2	2	BAFFLE, COOLANT TANK
41	DV-0010884	.01	ADHESIVE
40	SG-0020116-06	1	STRIP, SPLASH-TANK
39	CL-0011557	2	CASTER, RIGID
38	CL-0007703-01	1	ELBOW, STREET
37	CSA-0010366-29	1	TAG, COOLANT TANK
36	CL-0010109-02	1	NIPPLE, CLOSE
35	CL-0011259-03	1	COUPLING, NIPPLE
34	SG-010366-15	1	TAG, COOLANT GUAGE
33	MW-0193810	16	M8 WASHER, LOCK
32	MW-0103810	16	M8 WASHER, FLAT
31	MW-0193510	14	M5 WASHER, LOCK
30	375-0001467	1	PLUG
29	MW-0194010	2	M10 WASHER, LOCK
28	MW-0104010	2	M10 WASHER, FLAT
27	MN-0114010	2	M10 NUT, HEX
26	MS-0303517	20	M5 SCREW, BUTT HD x 16mm
25	CC-0011318	1	GUAGE, LEVEL
24	SG-0010115-53	1	COVER, SUMP
23	CS-0003990-53	1	FILTER WELD ASSEMBLY
22	CS-0003315-T1	2	SCREEN, WELD ASSEMBLY
21	SB-0010884-5	.01	SEALANT, HYDRAULIC
20	MS-0303817	16	M8 SCREW, BUTT HD x 16mm
19	SG-0010109-06	1	NIPPLE, COOLANT TANK
18	CS-0011557	2	CASTER, SWIVEL
17	SG-0000221-AB	1	CHIP SHIELD ASSEMBLY
16	CL-0011259-02	1	COUPLING, PIPE
15	SG-0003990-38	1	STIFFENER, BACK
14	SG-0003990-37	1	STIFFENER, FRONT
13	MS-0154020	2	M10 SCREW, HEX HD x 30mm
11	CS-0003990-44	2	BRACKET, FILTER MOUNT
10	CS-0003990-45	2	BRACKET, FILTER MOUNT
9	CS-0003990-23	1	TANK, RIGHT END
8	SG-0003990-33	1	SUPPORT, SCREEN
7	CS-0002990-95	1	STIFFENER
6	CN-0003315-01	1	BUSHING, PIPE
5	CS-0003990-56	1	BRACKET
4	SG-0003315-01	2	BLOCK, CASTER MOUNTING
3	CS-0003990-60	1	TANK, LEFT END
2	CS-0011942-5M	6	M5 NUT, SELF-CLINCHING
1	2000032	1	#14 GA (.0697)
ITEM	PART NUMBER	QTY	DESCRIPTION

NAME  
COOLANT TANK ASSEMBLY

PART NUMBER  
SG-0003315-LB

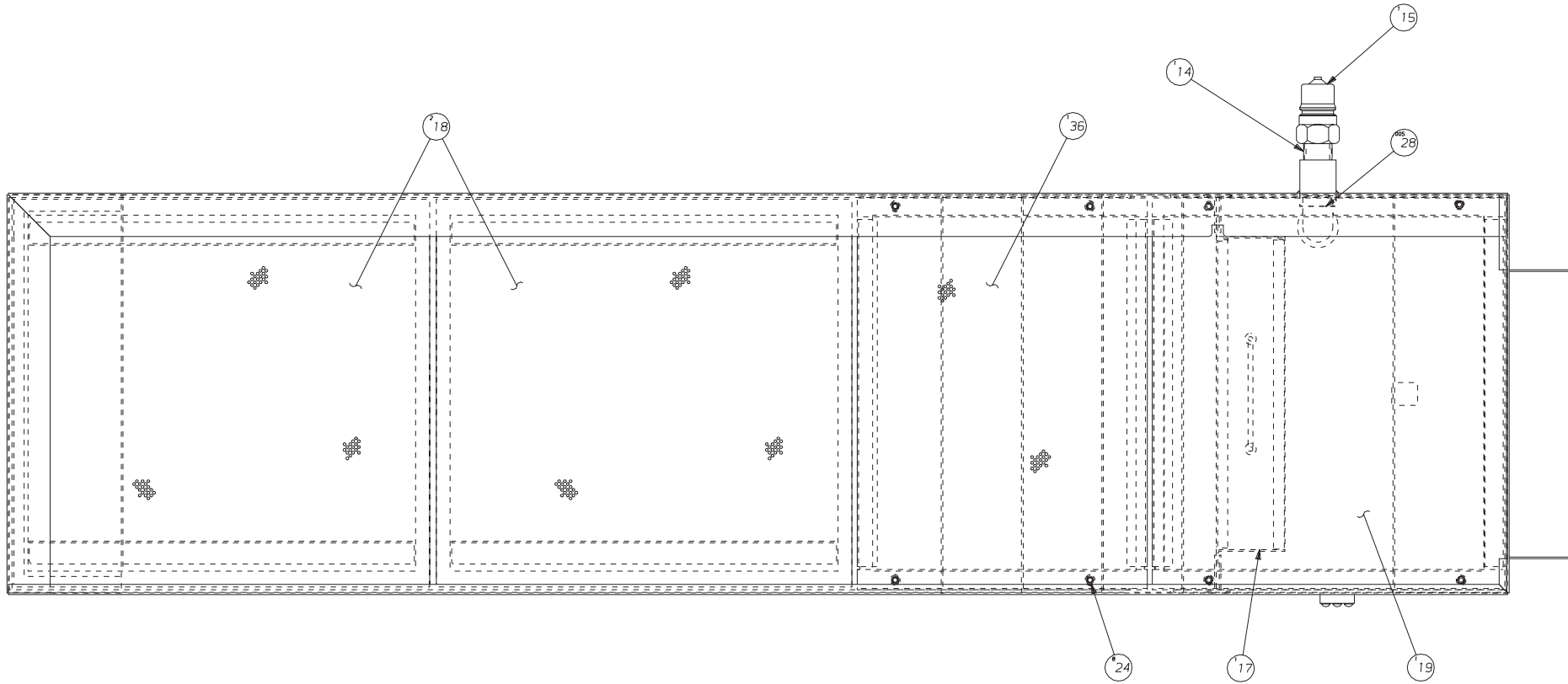
REV  
LEVEL  
A

SHEET 7 of 7



NAME	COOLANT TANK	PART NUMBER	SG-0003315-TA-LB	REV.	
	SG - LONG BED			LEVEL	B
		SHEET	5 of 7		

Coolant Tank, Standard



NAME COOLANT TANK  
SG - LONG BED

PART NUMBER SG-0003315-TA-LB  
SHEET 6 of 7

REV LEVEL A

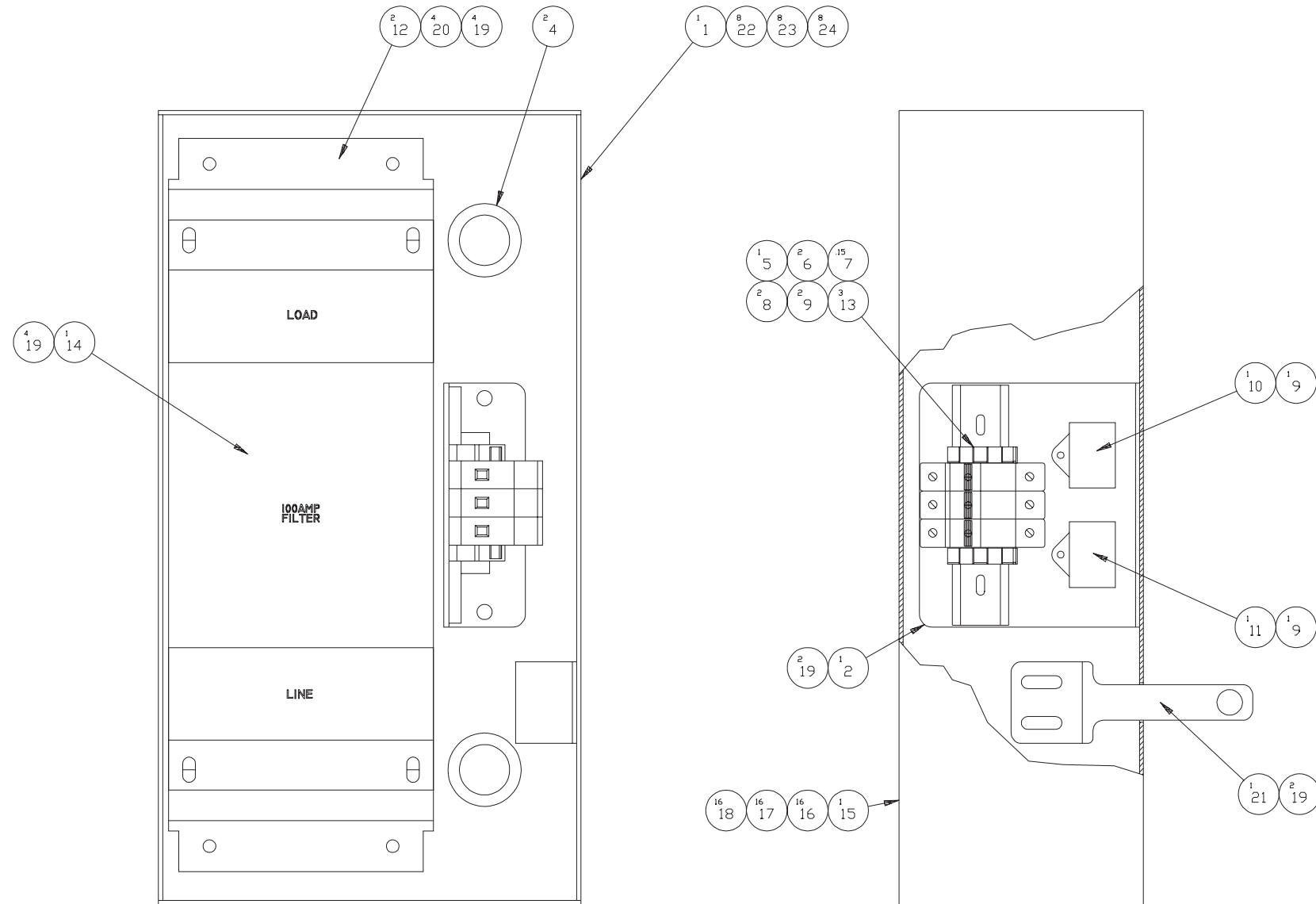


36	SG-0010115-SLB	1	COVER, SUMP
35	SG-0003315-B1	2	BAFFLE, COOLANT TANK
34	SG-0003315-B2	2	BAFFLE, COOLANT TANK
33	DV-0010884	.01	ADHESIVE
32	SG-0020116-06	1	STRIP, COOLANT TANK SPLAS
31	375-0001467	1	PLUG, 3/8 PIPE HEX SOCKET
30	SG-0010109-06	1	NIPPLE, COOLANT TANK
29	SB -0011318-01	1	GAUGE, LEVEL
28	SB-0010884-5	.01	SEALANT, HYDRAULIC
27	MW -0193810	16	WASHER, LOCK DIN-7980 MB
26	MW -0103810	16	WASHER, FLAT MB X 1.25 ST
25	MS -0303817	16	SCREW
24	MS -0303517	16	SCREW, BUTTON HD MS X .8
22	CS -0011557	2	CASTER, SWIVEL
21	SG-0010366-CL	1	TAG, COOLANT LEVEL
20	CSA -0010366-37	1	TAG
19	CS-0010115-01	1	COVER, SUMP
18	CSA-0003315-T1	2	SCREEN WELD ASSEMBLY
17	CS-0002990-27	1	FILTER WELD ASSEMBLY
16	CL-0011557	2	CASTER, RIGID
15	CL-0011259-03	1	COUPLER, QUICK DISCONNECT
14	CL-0010109-02	1	NIPPLE, CLOSE
13	CL -0007703-01	1	ELBOW, STREET
12	CS-0011942-5M	8	PEM NUT
11	CS-0002990-95	1	STIFFENER
10	CS-0002990-40	2	BRACKET, FILTER MOUNT
9	CS-0002990-39	2	BRACKET, FILTER MOUNT
8	CL-0011259-02	1	NIPPLE, PIPE
7	CS-0002990-25	1	TROUGH, CHIP
6	SG-0003315-02	1	SUPPORT, SCREEN
5	CN-0003315-01	1	BUSHING, PIPE
4	SG-0003315-01	2	BLOCK, CASTER MOUNTING
3	CSA-0003315-04	1	TANK, LEFT END
2	CS-0003315-03	1	TANK, RIGHT END
1	2000032	55.8	14 GA. 48 X 72
ITEM	PART NUMBER	QTY	DESCRIPTION

NAME  
COOLANT TANK  
SG - LONG BED

PART NUMBER  
SG-0003315-TA-LB  
SHEET 7 of 7  
REV. LEVEL  
A

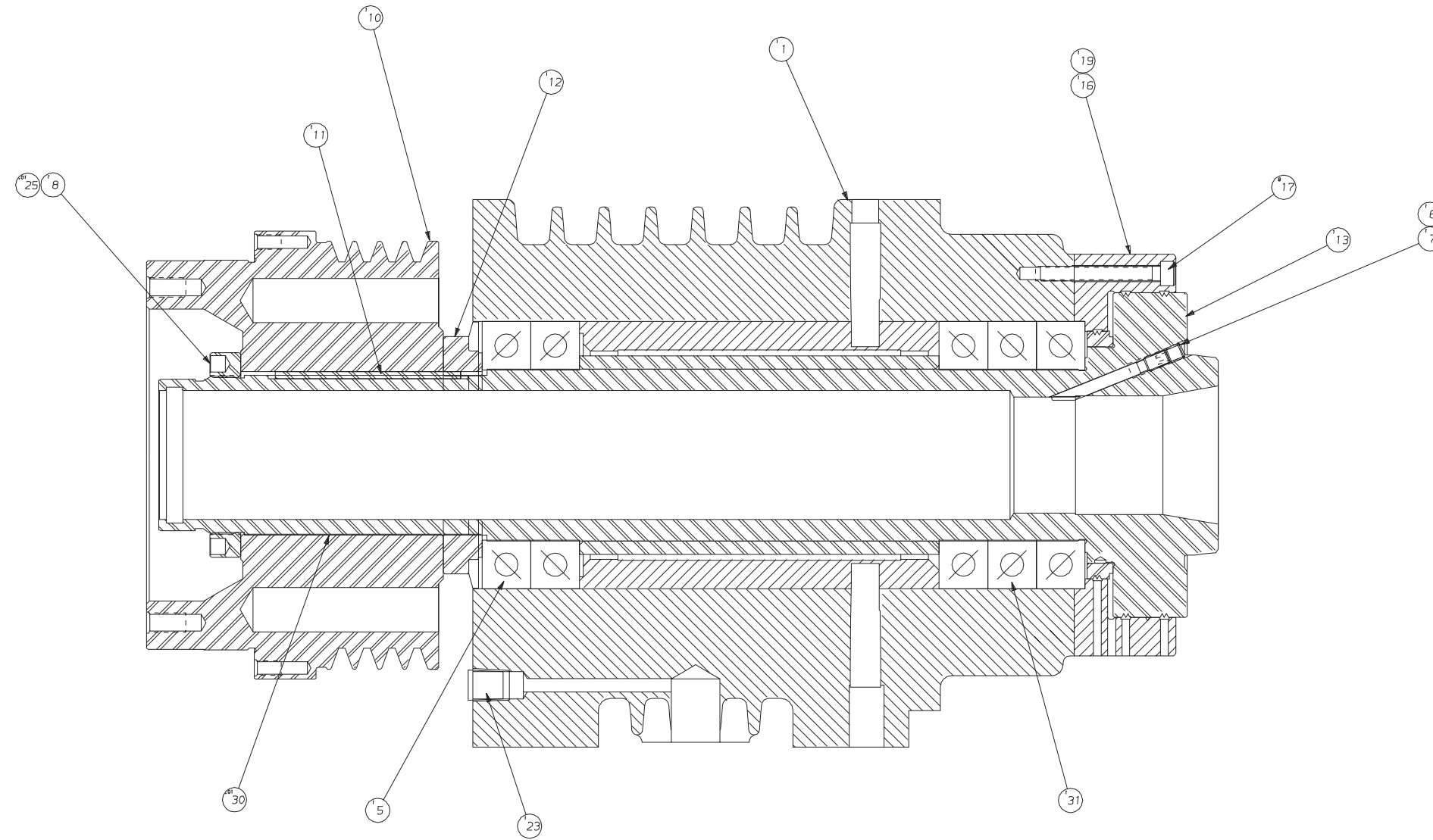
# Filter Box Assembly



ITEM	PART NUMBER	QUANTITY	DESCRIPTION	ASSEMBLY	LINK	DWG.SZ.
1	HG 0004158FBB	1.00	SUPPORT, FILTER BOX BOTTOM	SEE ASSY NO.	MA	D
2	HG 0004158FB	1.00	BRACKET, FUSE MOUNTING	SEE ASSY NO.	MA	D
3	HG 0003279WPF1	1.00	WIRE PACKAGE, FILTER BOX	SEE ASSY NO.	MA	N
4	CL 0009532	2.00	GROMMET	SEE ASSY NO.	MA	N
5	SG 0010017	1.00	HOLDER, FUSE 3P/W IND.CC FUS	SEE ASSY NO.	MA	N
6	HG 001103204	2.00	END STOP	SEE ASSY NO.	MA	A
7	CK 9011032	0.15	RAIL, DIN BLANK	SEE ASSY NO.	MA	N
8	MW 0263410	2.00	WASHER, EXT. STAR M4	SEE ASSY NO.	MA	N
9	MS 0303514	4.00	SCREW, BT. HD. M5 X .8 X 8MM	SEE ASSY NO.	MA	N
10	18 001129806	1.00	SUPPRESSOR L-L	SEE ASSY NO.	MA	N
11	18 001129807	1.00	SUPPRESSOR L-E	SEE ASSY NO.	MA	N
12	HG 0010449LS01	2.00	SHIELD, LEXAN (EMI FILTER)	SEE ASSY NO.	MA	C
13	SG 000961001	3.00	FUSE, 5A CLASS CC	SEE ASSY NO.	MA	N
14	18 001129804	1.00	FILTER, EM NOISE 100A	SEE ASSY NO.	MA	N
15	HG 0004158FBC	1.00	COVER, FILTER BOX	SEE ASSY NO.	MA	D
16	MS 0303515SS	16.00	SCREW, BT. HD. M5X.8,X 10MM	SEE ASSY NO.	MA	N
17	MW 0103510	16.00	WASHER, FLAT M5 X .8 STEEL	SEE ASSY NO.	MA	N
18	MW 0183510	16.00	WASHER, LOCK REG. M5 X .8 SC	SEE ASSY NO.	MA	N
19	MN 0283610	12.00	NUT, HEX SERRATED FLANGE	SEE ASSY NO.	MA	N
20	SP 0006431 B	4.00	WASHER FOR SWITCH BRACKET	SEE ASSY NO.	MA	N
21	HG 0001990CFB	1.00	BRACKET, FILTER BOX	SEE ASSY NO.	MA	C
22	MS 0303615SS	8.00	SCREW, BT HD M6X1.0X 10MM SS	SEE ASSY NO.	MA	N
23	MW 0103610SS	8.00	WASHER, FLAT M6 STAINLESS ST	SEE ASSY NO.	MA	N
24	MW 0183610SS	8.00	LOCKWASHER, M6 STAINLESS STE	SEE ASSY NO.	MA	N

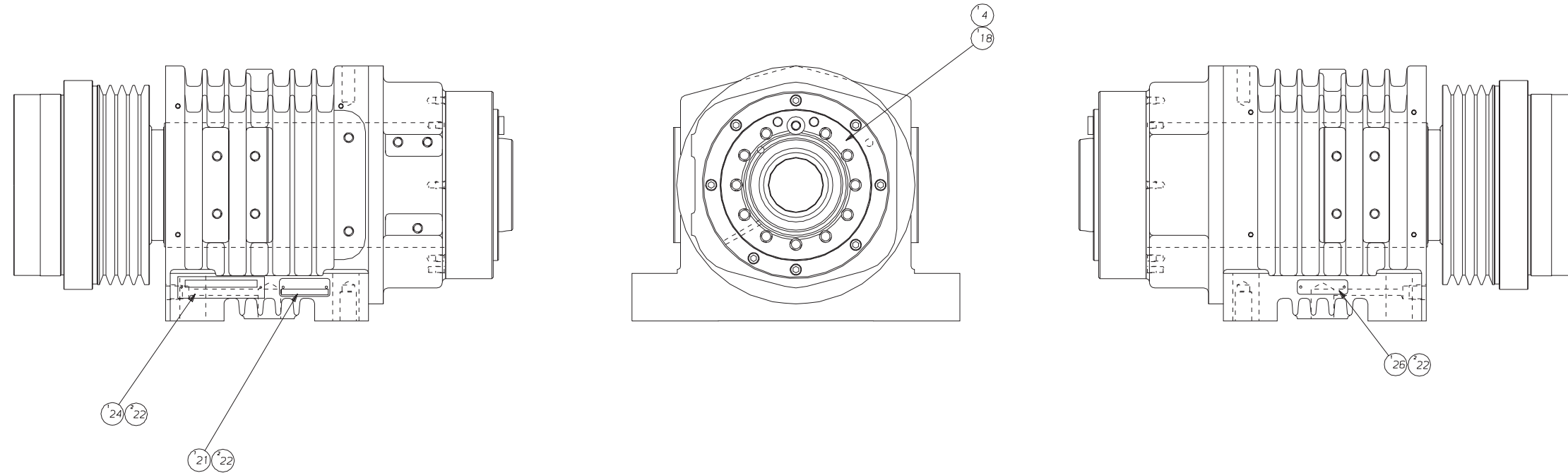
NOT SHOWN





NAME	SG HEADSTOCK ASSEMBLY	PART NUMBER	SG-000002	REV	C
SHEET	1	OF	2		

# Headstock Assembly

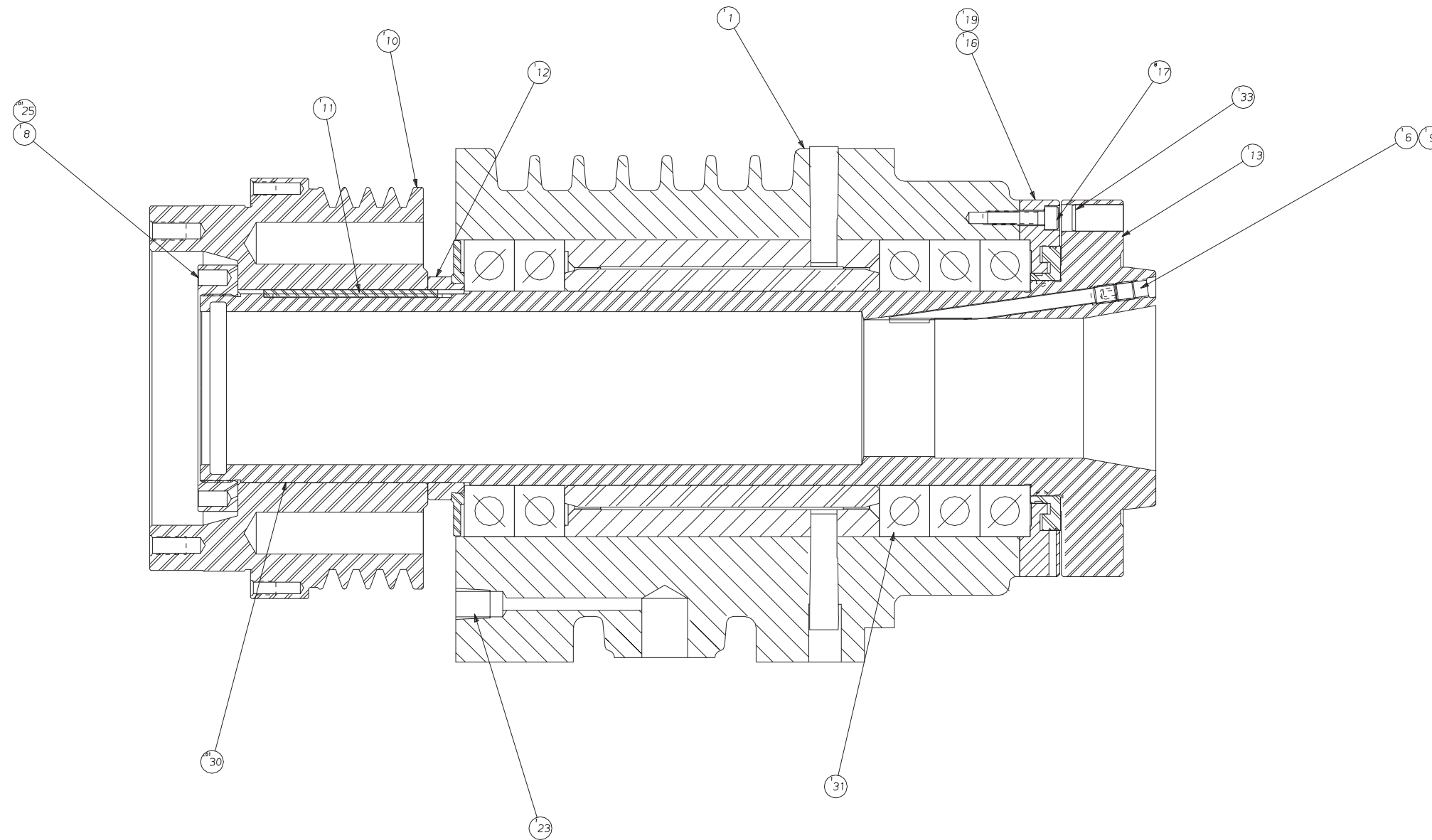


31	SG-0000265	1	BEARING, HEADSTOCK
30	KH-0010884-02	0	ADHESIVE, LOCTITE
26	CS-0010366-33	1	LABEL, PATENT NO.
25	NC-0010884	0	LOCTITE, ADHESIVE
24	KL-0001535	1	PLATE-SERIAL NUMBER
23	CS-0001467-01	1	PLUG, 1/4-19 BSPT
22	R -0008044	6	PIN, ESCUTCHEON
21	CS-0001535-M	1	LABEL, MODULE #
19	SG-0010116-A1	1	GASKET, FRONT CAP
18	A2-0011920	1	BUTTON, DRIVING
17	MS-0103624	8	SCREW, SOC HD CP
16	SG-0000275	1	CAP, FRONT
13	SG-0000283-M	1	SPINDLE, METRIC
12	SGA-0003177-D	1	TIMING PULLEY ASSEMBLY
11	SG-0006317	1	KEY FOR PULLEY
10	SG-0004053	1	PULLEY, SPINDLE
8	CCA-0004068-A	1	NUT, SPINDLE
7	MS-0573613	1	SCREW, SET M6 X 1 X 6MM
6	CS-0000284	1	SCREW, COLLET KEY
5	HC-0000265-GT	1	BEARING, PAIR
4	CS-0011920	1	SCREW, BUTTON
1	SG-0000264	1	HEADSTOCK
ITEM	PART NUMBER	QTY	DESCRIPTION

NAME HEADSTOCK ASSEMBLY

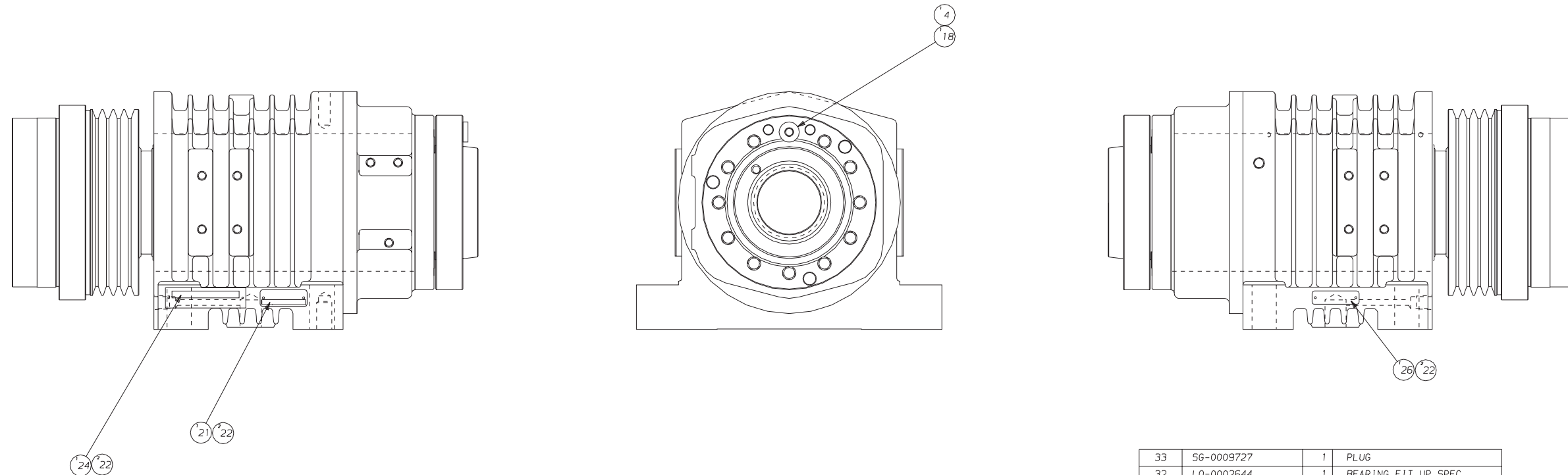
PART NUMBER SG-0000002  
SHEET 2 OF 2

REV. LEVEL A



NAME	PART NUMBER	REV. LEVEL
HEADSTOCK ASSEMBLY (SG BIG BORE)	5GB-000002-BB	B
	SHEET 1 of 2	

# Headstock Assembly, Big-Bore Machine

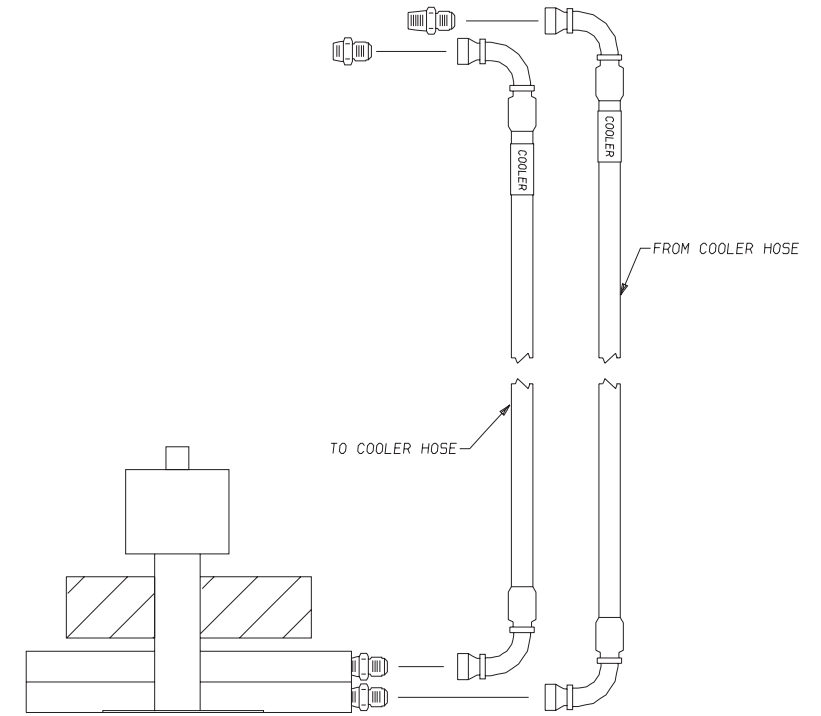
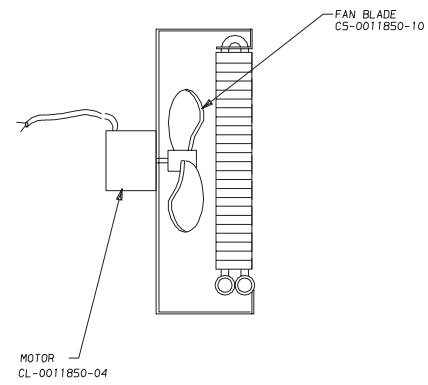


33	SG-0009727	1	PLUG
32	LO-0002644	1	BEARING FIT UP SPEC
31	SG-0000265-B	1	BEARING, HEADSTOCK
30	KH-0010884-02	0	ADHESIVE, LOCTITE
26	CS-0010366-33	1	LABEL, PATENT NO.
25	NC-0010884	0	LOCTITE, ADHESIVE
24	KL-0001535	1	PLATE-SERIAL NUMBER
23	CS-0001467-01	1	PLUG
22	R -0008044	6	PIN, ESCUTCHEON
21	CS-0001535-M	1	LABEL, MODULE NUMBER
19	SG-0010116-CF	1	GASKET, FRONT CAP
18	CL-0011920	1	BUTTON, DRIVING
17	MS-0103619	8	SCREW, SOC HD M6
16	SGA-0000275-B	1	FRONT CAP
13	SGA-0000283-BB	1	SPINDLE, BIG BORE
12	SG-0003177-BB	1	TIMING PULLEY ASSEM
11	SG-0006317	1	KEY FOR PULLEY
10	SG-0004053-B	1	PULLEY, SPINDLE
9	MS-0553814	1	SCREW SOC ST CP PT M8
8	SG-0004068-B	1	NUT, SPINDLE
6	SG-0000284	1	SCREW, COLLET KEY
4	CL-0011920-01	1	SCREW, BUTTON
1	SGA-0000264-BB	1	HEADSTOCK, BIG BORE
ITEM	PART NUMBER	QTY	DESCRIPTION

32

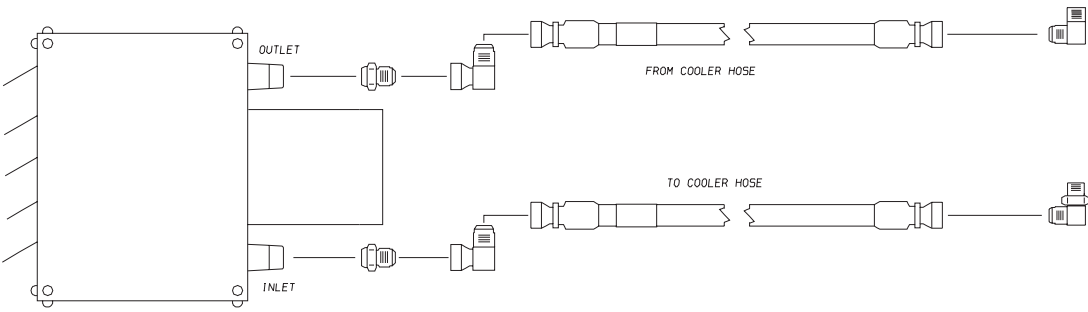
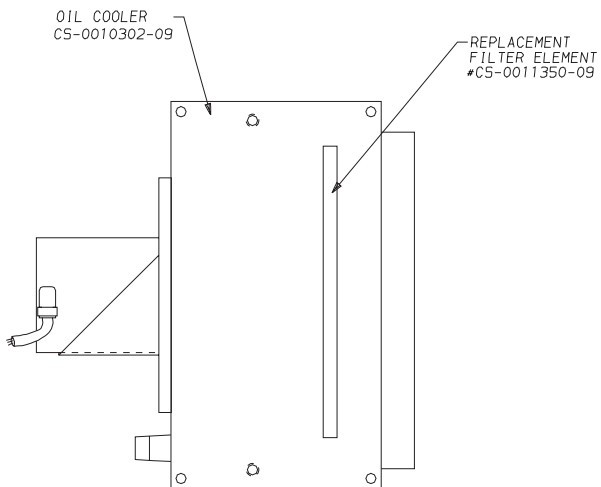
NAME HEADSTOCK ASSEMBLY  
BIG BORE

PART NUMBER SGB-0000002-BB  
SHEET 2 of 2  
REV LEVEL B



HOSE TITLE	MFG. PART NO.	HARDINGE PART NO.	L (in)	HOSE	FITTING SIZE
TO COOLER	75203939-8-8-8	CL-0007004-10	24	-8	3/4-16 JIC
FROM COOLER	75203939-8-8-8	CL-0007004-11	30	-8	3/4-16 JIC

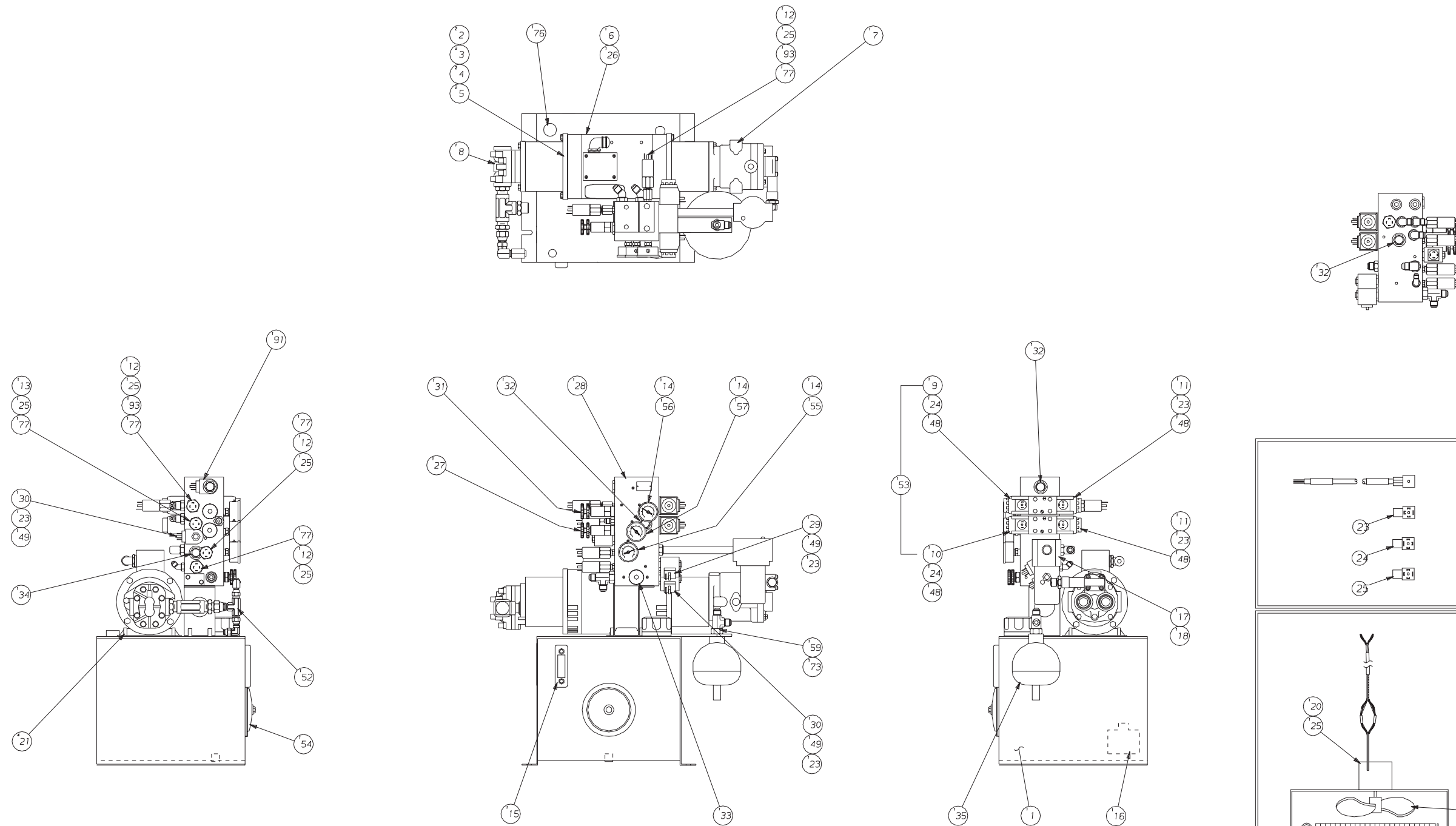
NAME HEAT EXCHANGER STANDARD PART NUMBER 5G-0000128-G REV LEVEL A SHEET 1 of 1



HOSE TITLE	MFG. PART NO.	HARDINGE PART NO.	L (in)	HOSE	FITTING SIZE
TO COOLER	75200606-12-12-12-	CL-0007004-21	24	-12	1 1/16-12 JIC
FROM COOLER	75200606-12-12-12-	CL-0007004-20	30	-12	1 1/16-12 JIC

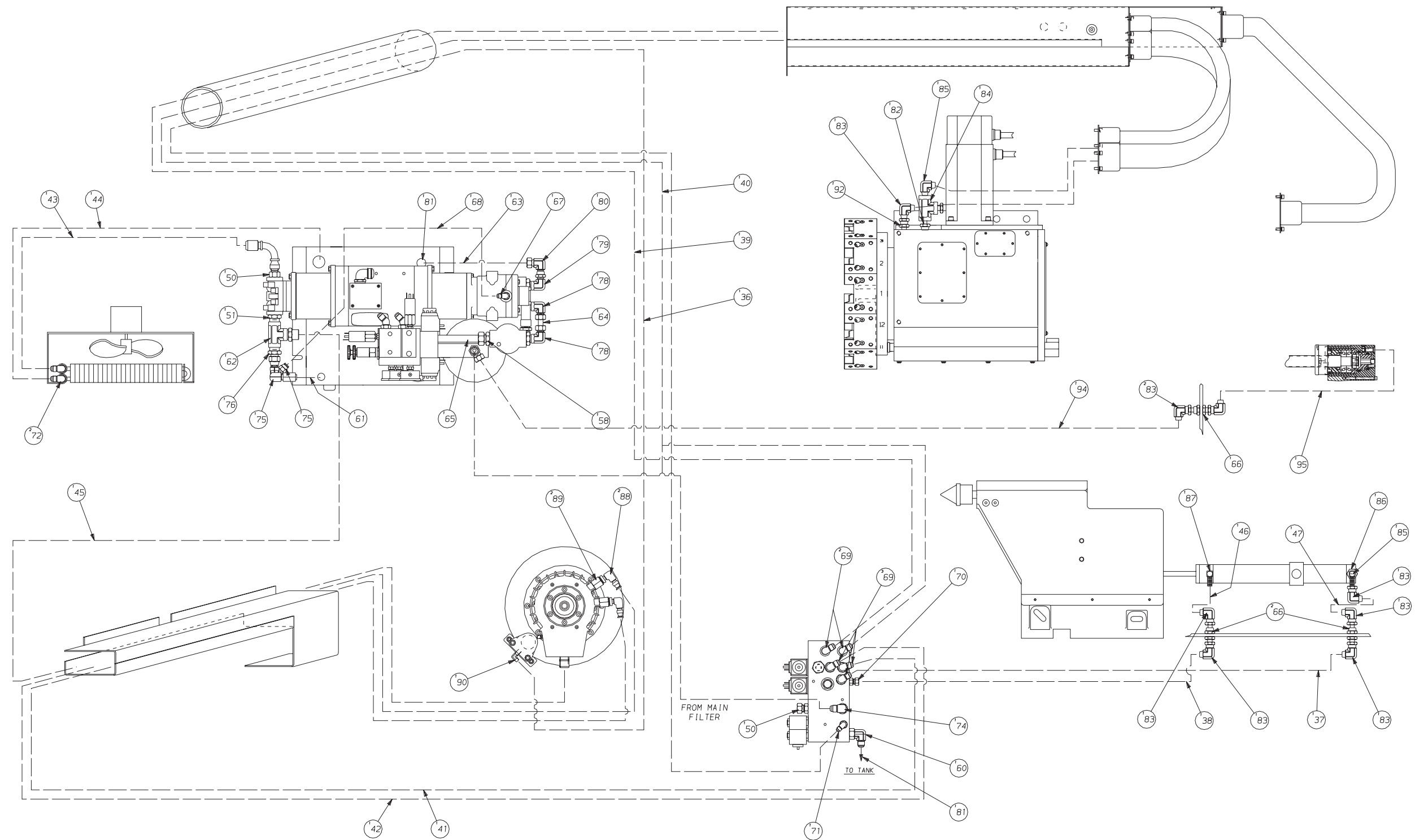
NAME HEAT EXCHANGER PART NUMBER 56-0000128-SP REV. LEVEL A  
 SUPER-PRECISION® MACHINE SHEET 1 of 1



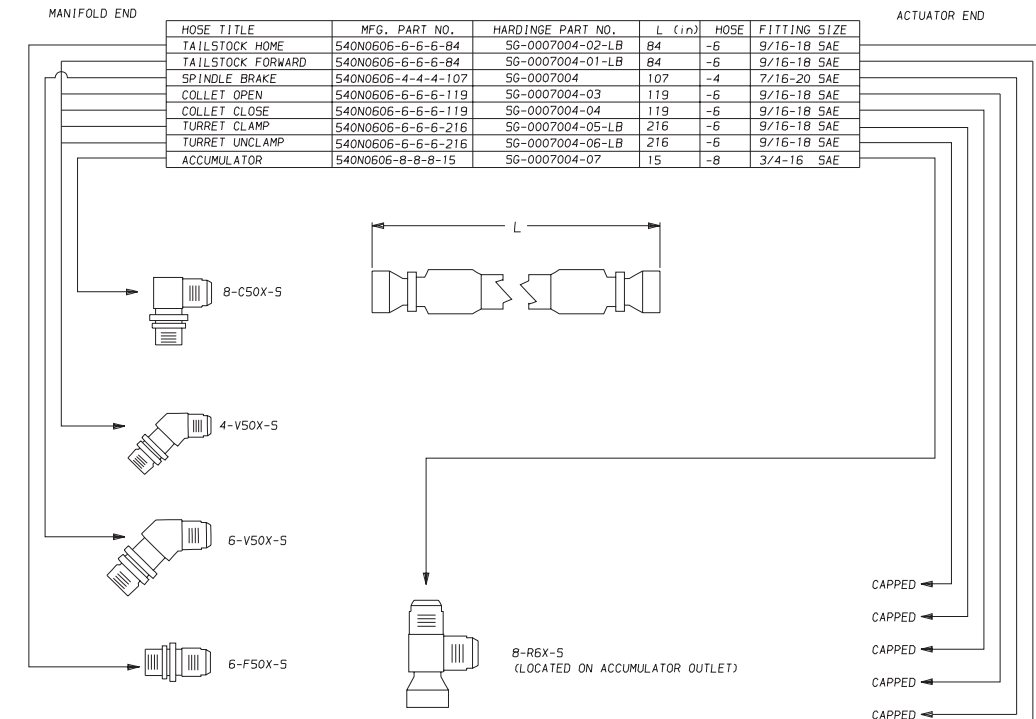


NAME	LONG BED	PART NUMBER	SG-0000133-LB	REV.	A
	HYDRAULIC POWER UNIT ASSEMBLY			LEVEL	
	GENERAL PRECISION	SHEET	2 of 5		

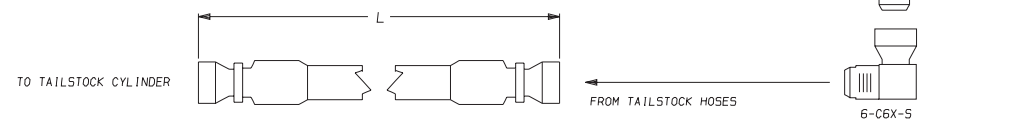
Hydraulic Unit, Machine with Tailstock  
Non-CE Mark



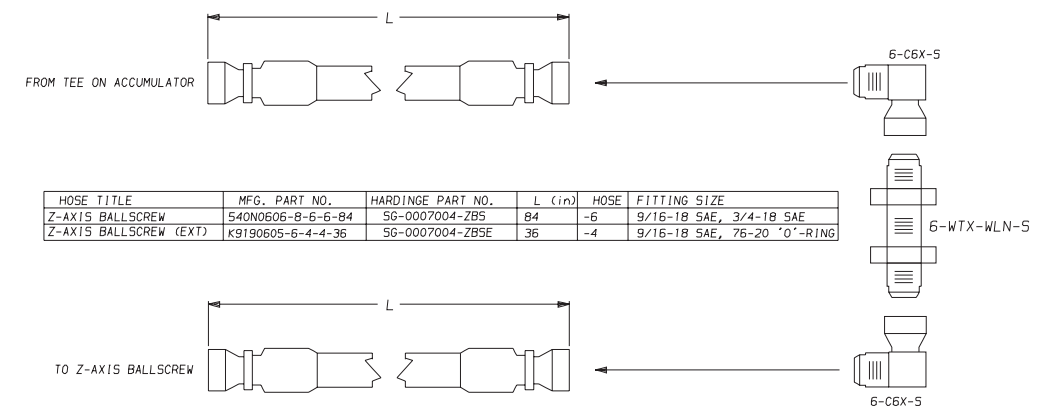
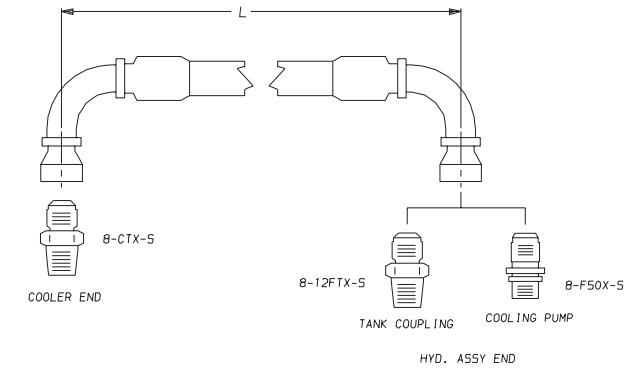
NAME	PART NUMBER	REV.
HYDRAULIC POWER UNIT ASSY	SG-0000133-LB	A
LONG BED		
HYD. HOSE & FITTING DIAG.	SHEET 3 of 5	



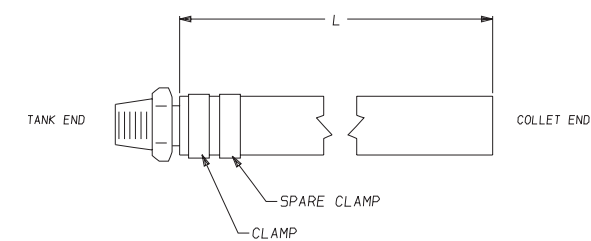
HOSE TITLE	MFG. PART NO.	HARDINGE PART NO.	L (in)	HOSE	FITTING SIZE
TAILSTOCK FORWARD EXT	K9190606-6-6-6-13	SG-0007004-08-LB	13	-6	9/16-18 SAE
TAILSTOCK HOME EXT	K9190606-6-6-6-26	SG-0007004-09-LB	26	-6	9/16-18 SAE



HOSE TITLE	MFG. PART NO.	HARDINGE PART NO.	L (in)	HOSE	FITTING SIZE
TO COOLER	75203939-8-8-8-24	CL-0007004-10	24	-8	3/4-16 JIC
FROM COOLER	75203939-8-8-8-30	CL-0007004-11	30	-8	3/4-16 JIC



HOSE TITLE	MFG. PART NO.	HARDINGE PART NO.	L (in)	HOSE	FITTING SIZE
COLLET DRAIN	FH5-10-WH	SG-0007004-12	108	-16	3/4-14 NPT



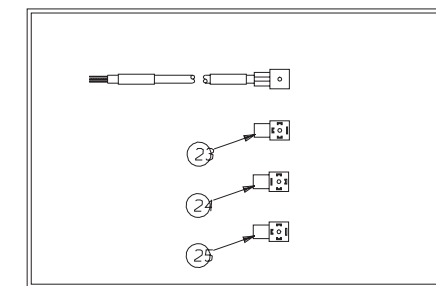
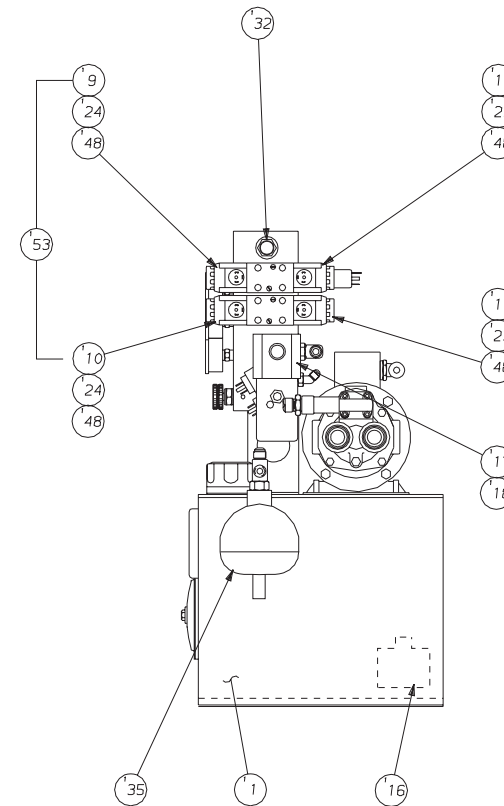
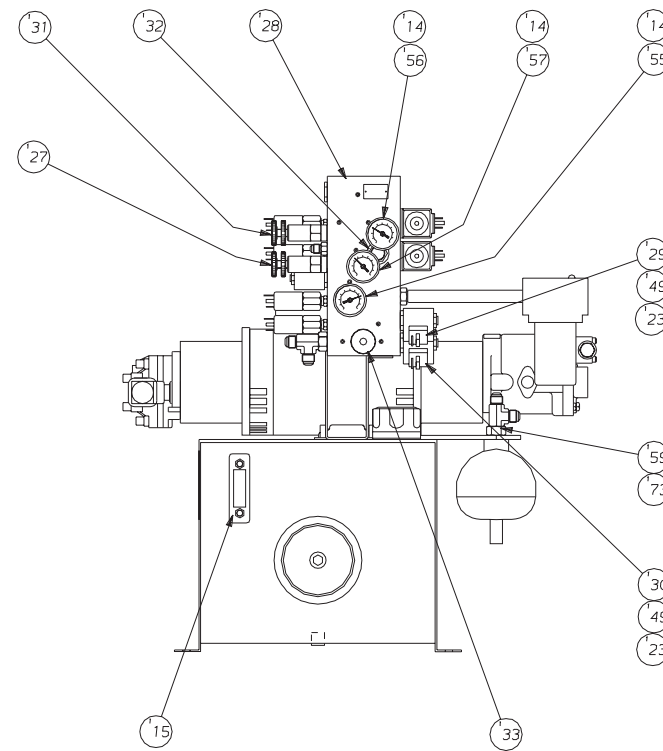
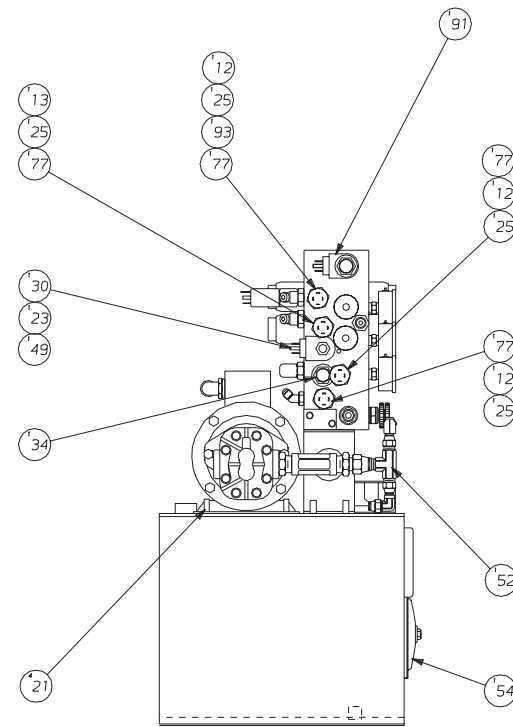
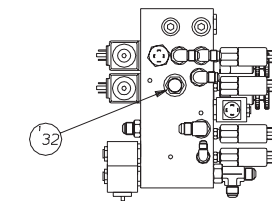
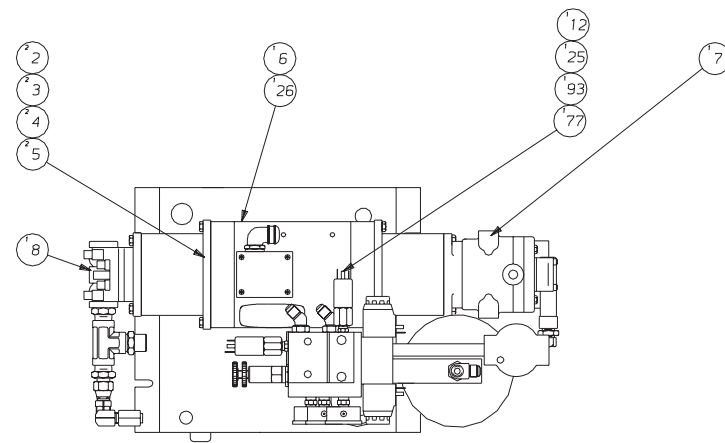
NAME GENERAL PRECISION PART NUMBER SG-0000133-LB  
HYDRAULIC POWER UNIT ASSY SHEET 4 of 5  
LONG BED HOSE ASSEMBLIES REV. LEVEL A

**Hydraulic Unit, Machine with Tailstock  
Non-CE Mark**

95	SG-0007004-ZB5E	1	HOSE, Z-AXIS BALL SCREW (EXT.)
94	SG-0007004-ZB5	1	HOSE, Z-AXIS BALL SCREW
93	SG-0011259-02	2	SNUBBER, GAUGE
92	CS-0008384-M	1	ADAPTER, STRAIGHT
91	CS-0003048-10	1	TURRET, UNCLAMP VALVE
90	AD-0011338-04	1	90° CONNECTOR
89	CS-0011259-13	2	CONNECTOR, HYD.
88	CS-0011259-11	2	90° CONNECTOR
87	CS-0011259-10	1	FITTING, MALE ELBOW BSPT
86	HS-0008384-23	1	ADAPTER, ALTERED
85	CS-0008384-15	2	ADAPTER, 90°
84	CS-0011452-03	1	VALVE, FLOW CONTROL
83	CS-0007703-12	8	MALE SWIVEL, 90°
82	CS-0008384-01-M	1	ADAPTER, 1/4 NPT X 1/4 BSP
81	CL-0009532-03	2	GROMMET
80	CS-0010786-14	1	ELBOW, 90°
79	CS-0010786-13	1	ELBOW, 90°
78	CS-0010786-12	2	ELBOW, 90°
77	CL-0010786-06	5	CONNECTOR
76	CL-0010786-05	2	CONNECTOR, STRAIGHT
75	CS-0007703-13	2	SWIVEL, 90°
74	CS-0008384-14	1	MALE, 90°
73	CL-0010786-03	1	BULKHEAD FITTING, STRAIGHT
72	CS-0008384-12	2	ADAPTER, STRAIGHT MALE
71	CS-0010787-02	1	ELBOW, 45°
70	CS-0010786-10	1	CONNECTOR, STRAIGHT
69	CS-0010787-01	5	ELBOW, 45°
68	CL-0007004-13	1	HOSE, SYSTEM PUMP DRAIN
67	CS-0010786-09	1	ELBOW, 90°
66	SG-0010786	3	BULKHEAD, STRAIGHT
65	CL-0007707-04	1	TUBE, FILTER TO MANIFOLD
64	CL-0007707-03	1	TUBE, PUMP TO FILTER
63	CL-0007707	1	TUBE, SYSTEM PUMP INLET
62	CL-0010786-04	1	TEE
61	CL-0007004-19	1	TUBE, TANK TO RECIR PUMP
60	CS-0008384-14	1	ELBOW 90°
59	CL-0010786-02	1	TEE, SWIVEL RUN
58	CS-0010786-06	1	CONNECTOR, STRAIGHT
ITEM	PART NUMBER	QTY	DESCRIPTION

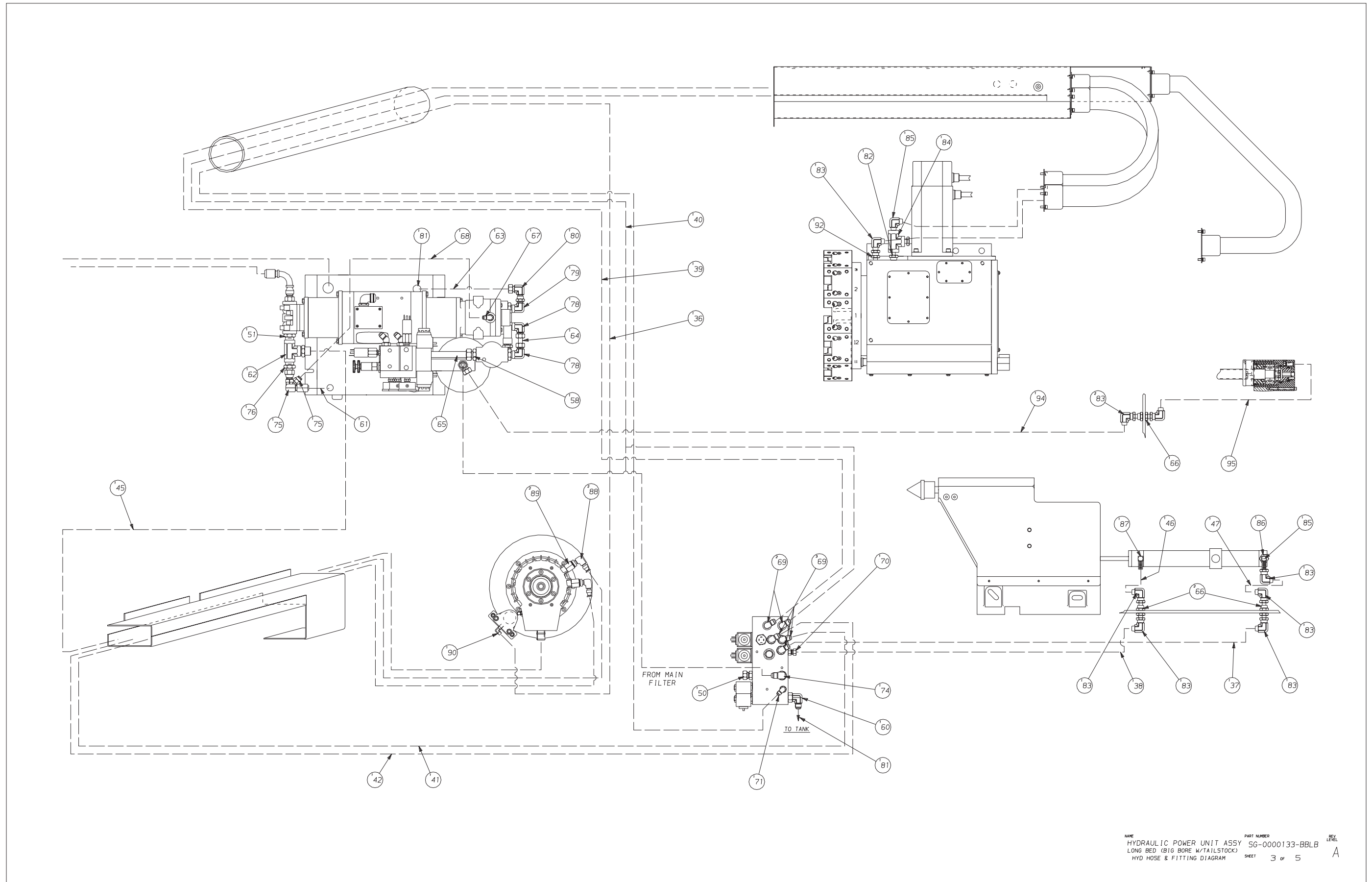
57	CS-0020115-16	1	COVER, TAILSTOCK PRESSURE
56	CS-0020115-15	1	COVER, COLLET CLOSER
55	CS-0020115-14	1	COVER, SYSTEM PRESSURE
54	CS-0000234-G	1	GASKET, 10" BUNA-N
53	CL-0011198-08	1	SEAL KIT, VICKERS
52	CS-0010786-17	1	TEE, SWIVEL NUT BRANCH
51	CL-0010786-01	1	CONNECTOR, STRAIGHT
50	CS-0010786-15	2	CONNECTOR, STRAIGHT THRD
49	CL-0008831-01	3	SOLENOID ASSEMBLY
48	CL-0008831	4	SOLENOID ASSY-VICKERS
47	SG-0007004-08-LB	1	HOSE, TAILSTOCK FWD (EXT)
46	SG-0007004-09-LB	1	HOSE, TAILSTOCK HOME (EXT)
45	SG-0007004-12	1	HOSE, COLLET DRAIN
44	CL-0007004-11	1	HOSE, FROM COOLER
43	CL-0007004-10	1	HOSE, TO COOLER
42	SG-0007004-04	1	HOSE, COLLET CLOSE
41	SG-0007004-03	1	HOSE, COLLET OPEN
40	SG-0007004-06-LB	1	HOSE, TURRET (UNCLAMP)
39	SG-0007004-05-LB	1	HOSE, TURRET (CLAMP)
38	SG-0007004-02-LB	1	HOSE, TAILSTOCK HOME
37	SG-0007004-01-LB	1	HOSE, TAILSTOCK FORWARD
36	SG-0007004	1	HOSE, SPINDLE BRAKE
35	SG-0011614	1	ACCUMULATOR, 1 QUART
34	CS-0011452-09	1	VALVE, CHECK
33	CL-0011452-03	1	VALVE, FLOW CONTROL
32	CS-0011452-07	3	VALVE, PILOT OPERATED CHEC
31	CS-0003048-04	1	VALVE, PRESSURE REDUCING
30	CL-0003048-08	2	VALVE, 2-WAY
29	CL-0003048-07	1	VALVE, 4-WAY
28	CS-0010234-10	1	MANIFOLD
27	CL-0003048-11	1	VALVE, PRESSURE REDUCING
26	SG-0003011-01	1	MOTOR CABLE
25	SG-0012042-09	6	DIN CABLE W/O LED
24	SG-0012042-08	2	DIN CABLE W/ LED
23	SG-0012042-07	5	DIN CABLE W/ LED
22	CS-0011850-10	1	FAN, COOLING
21	CS-0010116	4	CUSHION, MOTOR
20	CL-0011850-04	1	FAN, MOTOR
19	CS-0000128	1	COOLER, OIL
18	CS-0011614-01	1	FILTER, PALL ELEMENT
17	SG-0010779-02	1	FILTER, PRESSURE
16	CS-0011927	1	STRAINER, FLOW EZY
15	CS-0011318	1	GAUGE, LIQUID LEVEL
14	CS-0011537	3	GAUGE, 1000 PSI
13	CSA-0011736-03	1	SWITCH, PRESSURE-40 FALL
12	CSA-0011736-02	4	SWITCH, PRESSURE-60 RISE
11	CL-0011452-01	2	BOLT KIT
10	CL-0003048-06	1	VALVE, TAILSTOCK
9	CL-0003048-05	1	VALVE, COLLET
8	CS-0003325-03	1	PUMP, COOLING
7	CS-0003325-045G	1	PUMP, SYSTEM (3GPM MAX)
6	CS-0009332-08	1	MOTOR, ELEC. (1.0 HP 3 PH.
5	CSA-0010059-01	2	INSERT, L070 LOVEJOY
4	CS-0011792-08	2	COUPLING
3	CS-0011792-07	2	COUPLING
2	CL-0008384-01	2	ADAPTER, PUMP MOTOR
1	SG-0003310-R	1	RESERVOIR, FLUID
ITEM	PART NUMBER	QTY	DESCRIPTION

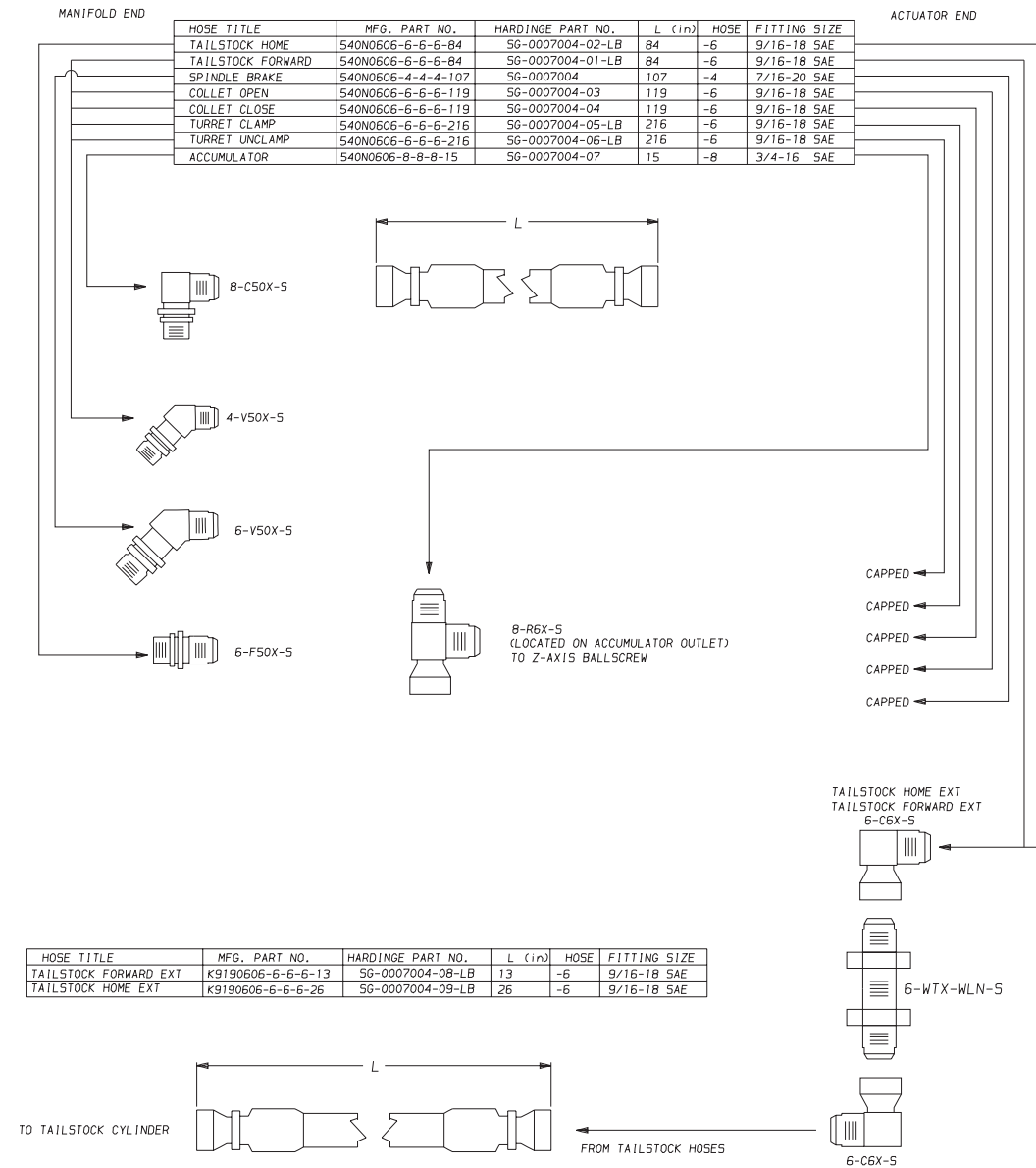
NAME LONG BED PART NUMBER SG-0000133-LB REV. LEVEL B  
HYDRAULIC POWER UNIT ASSY SHEET 5 of 5  
BILL OF MATERIAL



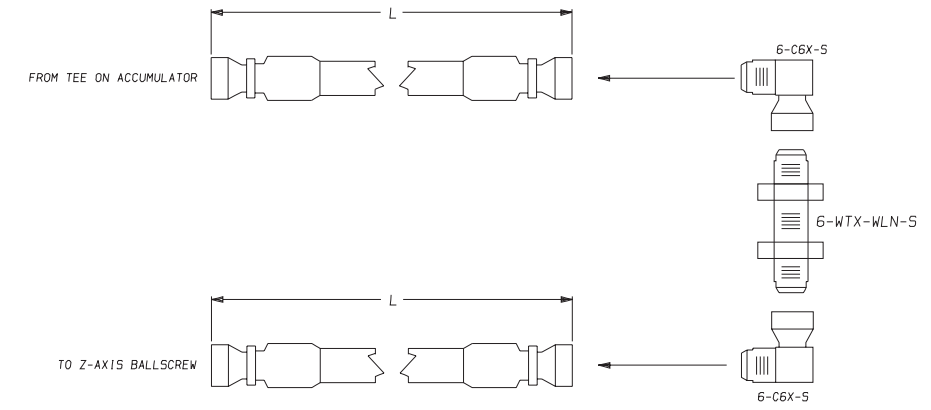
NAME: HYDRAULIC POWER UNIT ASSY LONG BED (BIG BORE W/TAILOSTOCK)  
PART NUMBER: 5G-0000133-BBLB  
REV. LEVEL: A  
SHEET: 2 of 5

Hydraulic Unit, Big-Bore Machine with Tailstock  
Non-CE Mark

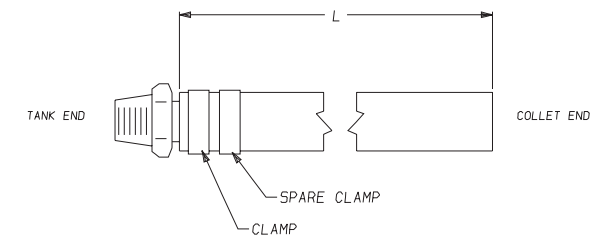




HOSE TITLE	MFG. PART NO.	HARDINGE PART NO.	L (in)	HOSE	FITTING SIZE
Z-AXIS BALLSCREW	540N0606-8-6-6-84	SG-0007004-ZB5	84	-6	9/16-18 SAE, 3/4-16 SAE
Z-AXIS BALLSCREW (EXT)	K9190605-6-4-4-36	SG-0007004-ZB5E	36	-4	9/16-18 SAE, 7/16-20 0'-RING



HOSE TITLE	MFG. PART NO.	HARDINGE PART NO.	L (in)	HOSE	FITTING SIZE
COLLET DRAIN	FHS-10-MH	SG-0007004-12	108	-16	3/4-14 NPT



NAME: HYDRAULIC POWER UNIT ASSY  
 LONG BED (BIG BORE W/TAIILSTOCK)  
 HOSE ASSEMBLIES

PART NUMBER: SG-0000133-BBLB  
 SHEET: 4 of 5

REV. LEVEL: A

# Hydraulic Unit, Big-Bore Machine with Tailstock Non-CE Mark

95	SG-0007004-ZB5E	1	HOSE, Z-AXIS BALLSCREW (EXT)
94	SG-0007004-ZB5	1	HOSE, Z-AXIS BALLSCREW
93	SG-0011259-02	2	SNUBBER, GAUGE
92	CS-0008384-M	1	ADAPTER, STRAIGHT
91	CS-0003048-10	1	TURRET, UNCLAMP VALVE
90	AD-0011338-04	1	90° CONNECTOR
89	CS-0011259-13	2	CONNECTOR, HYD.
88	CS-0011259-11	2	90° CONNECTOR
87	CS-0011259-10	1	FITTING, MALE ELBOW BSPT
86	HS-0008384-23	1	ADAPTER, ALTERED
85	CS-0008384-15	2	ADAPTER, 90°
84	CS-0011452-03	1	VALVE, FLOW CONTROL
83	CS-0007703-12	8	MALE SWIVEL, 90°
82	CS-0008384-01-M	1	ADAPTER, 1/4 NPT X 1/4 BSP
81	CL-0009532-03	2	GROMMET
80	CS-0010786-14	1	ELBOW, 90°
79	CS-0010786-13	1	ELBOW, 90°
78	CS-0010786-12	2	ELBOW, 90°
77	CL-0010786-06	5	CONNECTOR
76	CL-0010786-05	1	CONNECTOR, STRAIGHT
75	CS-0007703-13	2	SWIVEL, 90°
74	CS-0008384-14	1	MALE, 90°
73	CL-0010786-03	1	BULKHEAD FITTING, STRAIGHT
71	CS-0010787-02	1	ELBOW, 45°
70	CS-0010786-10	1	CONNECTOR, STRAIGHT
69	CS-0010787-01	5	ELBOW, 45°
68	CL-0007004-13	1	HOSE, SYSTEM PUMP DRAIN
67	CS-0010786-09	1	ELBOW, 90°
66	SG-0010786	3	BULKHEAD, STRAIGHT
65	CL-0007707-04	1	TUBE, FILTER TO MANIFOLD
64	CL-0007707-03	1	TUBE, PUMP TO FILTER
63	CL-0007707	1	TUBE, SYSTEM PUMP INLET
ITEM	PART NUMBER	QTY	DESCRIPTION

62	CL-0010786-04	1	TEE
61	CL-0007004-19	1	TUBE, TANK TO RECIR PUMP
60	CS-0008384-14	1	ELBOW 90°
59	CL-0010786-02	1	TEE, SWIVEL RUN
58	CS-0010786-06	1	CONNECTOR, STRAIGHT
57	CS-0020115-16	1	COVER, TAILSTOCK PRESSURE
56	CS-0020115-15	1	COVER, COLLET CLOSER
55	CS-0020115-14	1	COVER, SYSTEM PRESSURE
54	CS-0000234-G	1	GASKET, 10" BUNA-N
53	CL-0011198-08	1	SEAL KIT, VICKERS
52	CS-0010786-17	1	TEE, SWIVEL NUT BRANCH
51	CL-0010786-01	1	CONNECTOR, STRAIGHT
50	CS-0010786-15	1	CONNECTOR, STRAIGHT THRD
49	CL-0008831-01	3	SOLENOID ASSEMBLY
48	CL-0008831	4	SOLENOID ASSY-VICKERS
47	SG-0007004-08-LB	1	HOSE, TAILSTOCK FWD (EXT)
46	SG-0007004-09-LB	1	HOSE, TAILSTOCK HOME (EXT)
45	SG-0007004-12	1	HOSE, COLLET DRAIN
42	SG-0007004-04	1	HOSE, COLLET CLOSE
41	SG-0007004-03	1	HOSE, COLLET OPEN
40	SG-0007004-06-LB	1	HOSE, TURRET (UNCLAMP)
39	SG-0007004-05-LB	1	HOSE, TURRET (CLAMP)
38	SG-0007004-02-LB	1	HOSE, TAILSTOCK HOME
37	SG-0007004-01-LB	1	HOSE, TAILSTOCK FORWARD
36	SG-0007004	1	HOSE, SPINDLE BRAKE
35	SG-0011614	1	ACCUMULATOR, 1 QUART
34	CS-0011452-09	1	VALVE, CHECK
33	CL-0011452-03	1	VALVE, FLOW CONTROL
32	CS-0011452-07	3	VALVE, PILOT OPERATED CHEC
31	CS-0003048-04	1	VALVE, PRESSURE REDUCING
30	CL-0003048-08	2	VALVE, 2-WAY
29	CL-0003048-07	1	VALVE, 4-WAY
28	CS-0010234-10	1	MANIFOLD
27	CL-0003048-11	1	VALVE, PRESSURE REDUCING
26	SG-0003011-01	1	MOTOR CABLE
25	SG-0012042-09	5	DIN CABLE W/O LED
24	SG-0012042-08	2	DIN CABLE W/ LED
23	SG-0012042-07	5	DIN CABLE W/ LED
21	CS-0010116	4	CUSHION, MOTOR
18	CS-0011614-01	1	FILTER, PALL ELEMENT
17	SG-0010779-02	1	FILTER, PRESSURE
16	CS-0011927	1	STRAINER, FLOW EZY
15	CS-0011318	1	GAUGE, LIQUID LEVEL
14	CS-0011537	3	GAUGE, 1000 PSI
13	CSA-0011736-03	1	SWITCH, PRESSURE-40 FALL
12	CSA-0011736-02	4	SWITCH, PRESSURE-60 RISE
11	CL-0011452-01	2	BOLT KIT
10	CL-0003048-06	1	VALVE, TAILSTOCK
9	CL-0003048-05	1	VALVE, COLLET
8	CS-0003325-03	1	PUMP, COOLING
7	CS-0003325-04	1	PUMP, SYSTEM (3GPM MAX)
6	CL-0009332-01	1	MOTOR, ELEC. (2.5 HP 3 PH.
5	CSA-0010059-01	2	INSERT, L070 LOVEJOY
4	CS-0011792-08	2	COUPLING
3	CS-0011792-07	2	COUPLING
2	CL-0008384-01	2	ADAPTER, PUMP MOTOR
1	SG-0003310-R	1	RESERVOIR, FLUID
ITEM	PART NUMBER	QTY	DESCRIPTION

NAME HYDRAULIC POWER UNIT ASSY PART NUMBER SG-0000133-BBLB REV. LEVEL A  
LONG BED (BIG BORE W/TAILSTOCK) SHEET 5 OF 5

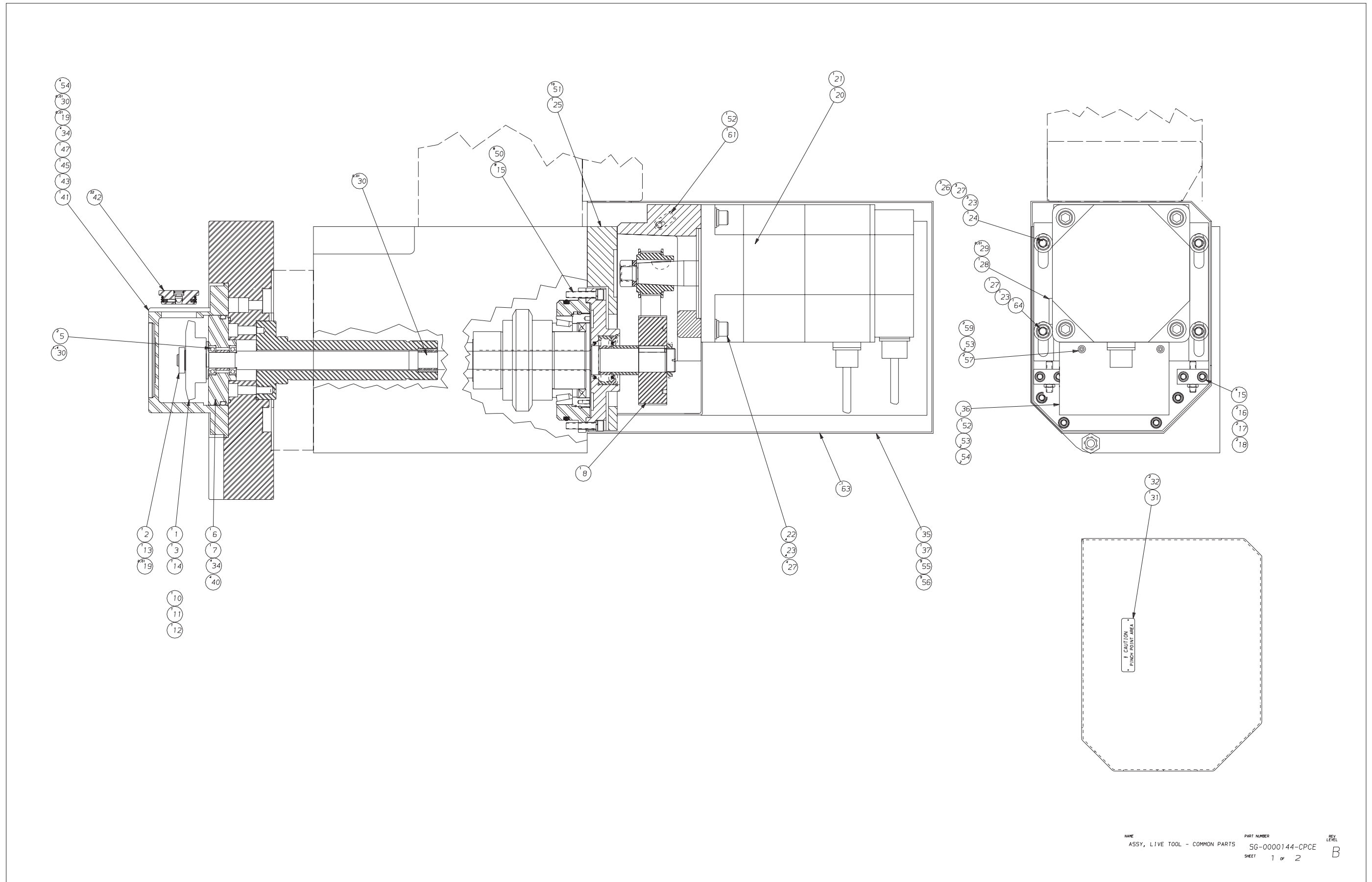




# Input/Output Case

ITEM	PART NUMBER	QUANTITY	DESCRIPTION	ASSEMBLY	LINK	DWG.SZ.
1	SGA000221CH	1.0000	CONTRDL WELD ASSEMBLY	SEE ASSY NO.	MA	D
2	SG 00041581ACE	1.0000	I/O CASE ASSY - CEMARK	SEE ASSY NO.	MA	D
3	SG 000499082	1.0000	PANEL, I/O CASE COMP. MTG	SEE ASSY NO.	MA	D
4	HG 0011350	4.0000	FILTER, FOAM	SEE ASSY NO.	MA	A
5	HG 000378004	1.0000	COVER, RS232	SEE ASSY NO.	MA	A
6	SG 0012042	1.0000	RECEPTACLE HOUSING FOR HIROS	SEE ASSY NO.	MA	N
7	HG 001204201	1.0000	RECEPTACLE, 115VAC, 3 WIRE	SEE ASSY NO.	MA	A
8	CL 000415841	1.0000	PANEL, ON-OFF	SEE ASSY NO.	MA	B
9	LC 0003650GE01	1.0000	SWITCH, CONTACT BLOCK, INC	SEE ASSY NO.	MA	N
10	SGA000415809	1.0000	PLATE, DOOR HINGE (BOTTOM)	SEE ASSY NO.	MA	A
11	LC 0003650GE23	1.0000	SWITCH, OPERATOR, ON/OFF	SEE ASSY NO.	MA	N
12	LC 0003650GE15	1.0000	SWITCH, PLUG, SQUARE, SMALL	SEE ASSY NO.	MA	N
13	SG 000378010	1.0000	DOOR, I/O CASE	SEE ASSY NO.	MA	D
14	SG 0010116	1.0000	GASKET, LOAD METER COVER	SEE ASSY NO.	MA	B
15	18 001179102	1.0000	INPUT MODULE I/O SYSTEM	SEE ASSY NO.	MA	A
16	LD 0002854	1.0000	TAG LAYOUT - CEMARK	SEE ASSY NO.	ME	A
17	JA 0010821	3.9000	PANDUIT	SEE ASSY NO.	MA	N
18	SGA0011844 E	1.0000	MTB PANEL - CEMARK	SEE ASSY NO.	ME	D
19	GN 001047201	2.0000	RESISTOR	SEE ASSY NO.	MA	N
20	CK 9011032	0.7880	RAIL, DIN BLANK	SEE ASSY NO.	MA	N
21	HG 001103204	4.0000	END STOP	SEE ASSY NO.	MA	A
22	HG 001103203	11.0000	END PLATE	SEE ASSY NO.	MA	A
23	HG 001103201	124.0000	TERMINAL BLOCK,BLUE	SEE ASSY NO.	MA	A
24	HG 001103205	5.0000	JUMPER, 10 POLE	SEE ASSY NO.	MA	A
25	VF 0011298	1.0000	DIPDE, SUPPRESSOR	SEE ASSY NO.	MA	N
26	HG 0009175	2.0000	MARKER, STRIP 1-10	SEE ASSY NO.	MA	N
27	HG 000917501	2.0000	MARKER, STRIP 11-20	SEE ASSY NO.	MA	N
28	HG 000917502	0.4000	MARKER, STRIP 21-30	SEE ASSY NO.	MA	N
29	HG 000917503	0.2000	MARKER STRIP 31-40	SEE ASSY NO.	MA	N
30	CN 000812213	1.0000	RELAY, 24VDC 4 NO CONTACTS	SEE ASSY NO.	MA	N
31	18 0011791CE	1.0000	MODULE,DC OUTPUT,8 POINT-CEM	SEE ASSY NO.	MA	A
32	MS 0303514	21.0000	SCREW, BT. HD. M5 X .8 X 8MM	SEE ASSY NO.	MA	N
33	SG 0011857CE S	1.0000	METER, SPIN. LOAD - CEMARK	SEE ASSY NO.	MA	N
34	0300004	2.0000	SCREW	SEE ASSY NO.	MA	N
35	JA 001082101	3.9000	COVER	SEE ASSY NO.	MA	N
36	HG 0010190	5.0000	STANDOFF	SEE ASSY NO.	MA	N
37	MW 0263510	37.0000	WASHER, M5 STEEL	SEE ASSY NO.	MA	N
38	MN 0283510	4.0000	NUT, M5X0.8, SER HEX FLNG	SEE ASSY NO.	MA	N
39	HG 000415813	4.0000	BRACKET, FOAM	SEE ASSY NO.	MA	C
40	CL 0010116	2.0000	GASKET	SEE ASSY NO.	MA	D
41	3 001088401	0.2000	ADHESIVE	SEE ASSY NO.	MA	N
42	MS 0303315	28.0000	SCREW, BUTTON HD. M3X.5X10MM	SEE ASSY NO.	MA	N
43	CL 000022144	1.0000	FACEPLATE,CONTRDL HOUSING	SEE ASSY NO.	MA	D
44	SG 0010116MP	1.0000	GASKET, MEMBRANE PANEL	SEE ASSY NO.	MA	D
45	MN 0283610	1.0000	NUT, M6X1.0, SER HEX FLNG	SEE ASSY NO.	MA	N
46	MS 0303615	2.0000	SCREW, BT. HD. M6X1.0X 10MM	SEE ASSY NO.	MA	N
47	F3 000997701	27.0000	LABEL, ID	SEE ASSY NO.	MA	N
48	MS 0303415	12.0000	SCREW, BT. HD. M4X.7,X 10MM	SEE ASSY NO.	MA	N
49	MW 0103410	10.0000	WASHER, FLAT M4 X .7 STEEL	SEE ASSY NO.	MA	N
50	MW 0183410	10.0000	WASHER, LOCK M4 STEEL	SEE ASSY NO.	MA	N
51	MS 0303416	2.0000	SCREW, BT. HD. M4X.7,X 12MM	SEE ASSY NO.	MA	N
52	MW 0263410	12.0000	WASHER, EXT. STAR M4	SEE ASSY NO.	MA	N
53	SG 001082104	1.0000	SUPPDRT, CABLE BAR	SEE ASSY NO.	MA	B
54	MS 0303417	8.0000	SCREW, BT. HD. M4X.7,X 16MM	SEE ASSY NO.	MA	N
55	CN 0012042 B	1.0000	BLOCKS, LATCHING	SEE ASSY NO.	MA	N
56	SG 000415811	1.0000	SPACER, NYLON (P.C. DOOR)	SEE ASSY NO.	MA	A
57	SG 000415825	1.0000	PLATE,DOOR HINGE	SEE ASSY NO.	MA	B
58	HG 0012029	1.0000	KEY	SEE ASSY NO.	MA	N
59	VL 0011738	2.0000	LATCH, DOOR, VISE ACTION	SEE ASSY NO.	MA	A

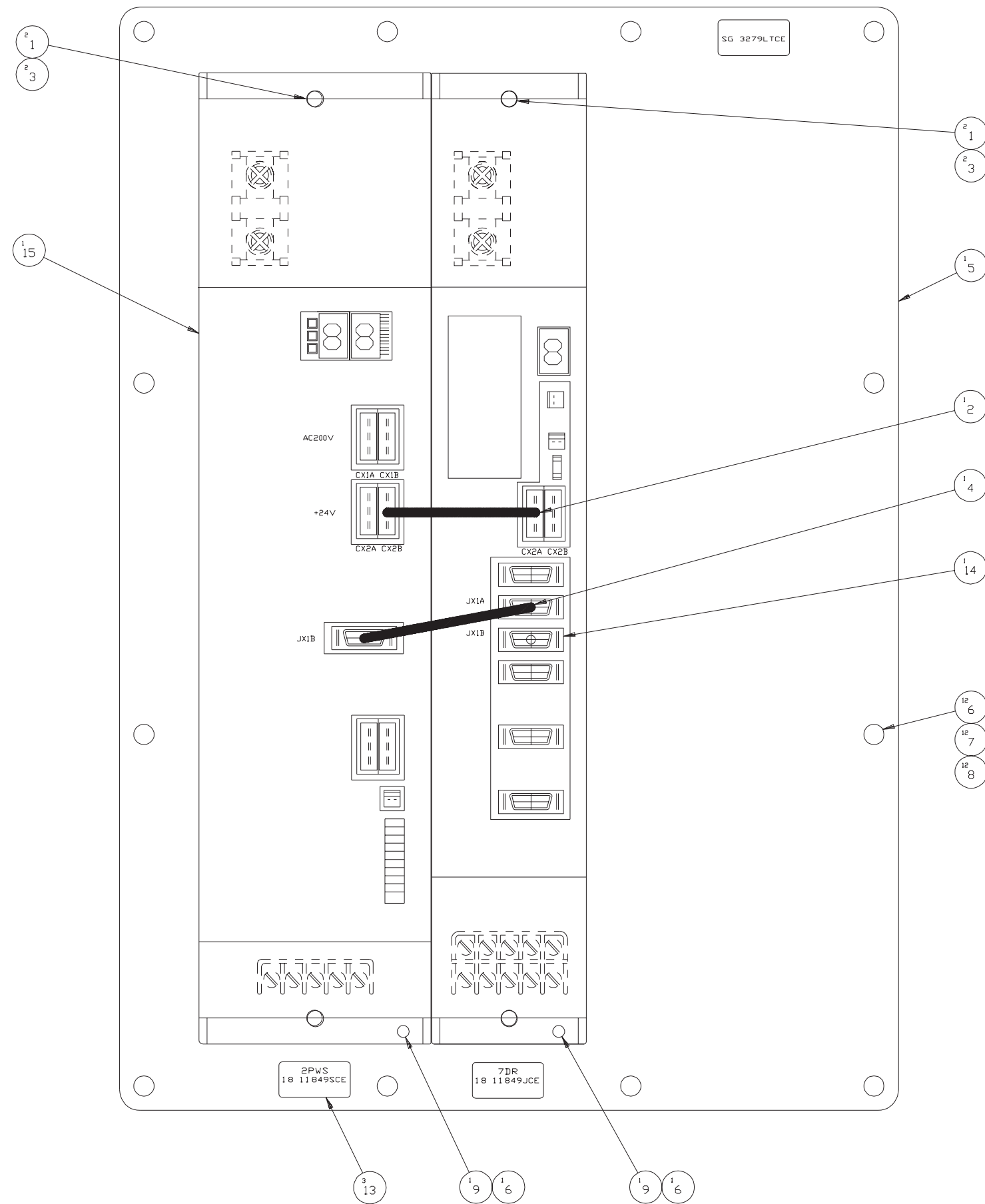
ITEM	PART NUMBER	QUANTITY	DESCRIPTION	ASSEMBLY	LINK	DWG.SZ.
60	HG 0011738	2.0000	DOOR PULL	SEE ASSY NO.	MA	N
61	SG 000415808	1.0000	PLATE, DOOR HINGE (TOP)	SEE ASSY NO.	MA	A
62	SG 000179912	1.0000	SPACER, PC & I/O CASE DOOR	SEE ASSY NO.	MA	N
63	CN 00119801	8.0000	SEAL, DOOR	SEE ASSY NO.	MA	N
64	MS 0303617	3.0000	SCREW, BT. HD. M6X1.0 X 16MM	SEE ASSY NO.	MA	N
65	MW 0183610	5.0000	M6 REG. LOCKWASHER	SEE ASSY NO.	MA	N
66	MW 0103610	5.0000	WASHER, FLAT M6 STEEL	SEE ASSY NO.	MA	N
67	CN 0011062	1.0000	KNOB	SEE ASSY NO.	MA	N
68	CC 0011947	2.0000	STRIP, MAGNETIC	SEE ASSY NO.	MA	N
69	0300204	1.0000	SCREW BT HD 8-32 X 1/4	SEE ASSY NO.	MA	N
70	MN 0113410	2.0000	NUT, HEXAGON, 934 PLATED	SEE ASSY NO.	MA	N
71	CL 000415832	1.0000	BRACKET, SWITCH,OTC & I/O CA	SEE ASSY NO.	MA	B
72	CL 001022407	1.0000	SWITCH, INTERLOCK	SEE ASSY NO.	MA	N
73	MS 0303516	6.0000	SCREW,BUT.HD.M5X.8X12MM	SEE ASSY NO.	MA	N
74	MW 0103510	6.0000	WASHER, FLAT M5 X .8 STEEL	SEE ASSY NO.	MA	N
75	6 0008137	2.0000	WASHER, LOCK	SEE ASSY NO.	MA	N
76	SB 001056504	0.6700	U CHANNEL	SEE ASSY NO.	MA	N
77	0300103	2.0000	SCREW BT HD 6-32 X 3/16	SEE ASSY NO.	MA	N
78	SG 0003279WPI0	1.0000	WIRE PACKAGE-I/O CASE-CEMARK	SEE ASSY NO.	MA	N
79	SGA0011844RT E	1.0000	MTB PANEL ASSY - CEMARK	SEE ASSY NO.	ME	D
80	SG 001011542	1.0000	COVER, LOAD METER	SEE ASSY NO.	MA	B
81	MW 0193310	3.0000	WASHER, LOCK DIN-7980 M3X.5	SEE ASSY NO.	MA	N
82	MW 0103310	3.0000	WASHER, FLAT REGULAR M3X.5	SEE ASSY NO.	MA	N
83	MN 0113310	3.0000	NUT, M3 X .5	SEE ASSY NO.	MA	N
84	MS 0303515	5.0000	SCREW, BT. HD. M5X.8,X 10MM	SEE ASSY NO.	MA	N
85	VF 001036101	1.0000	ADDER DECK	SEE ASSY NO.	MA	N
86	DV 0010546	2.0000	NUT FOR GROUNDING POST	SEE ASSY NO.	MA	N
87	CS 0012099	1.0000	BEZEL, PANEL	SEE ASSY NO.	MA	D
88	LC 0003650GE02	1.0000	SWITCH, CONTACT BLOCK, INC	SEE ASSY NO.	MA	N



NAME	ASSY, LIVE TOOL - COMMON PARTS	PART NUMBER	5G-0000144-CPCE	REV	B
SHEET	1 of 2				

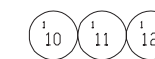
64	MS-0104225	1	SCREW, M12 X 55
63	GE-0010884	0	SILICONE
61	CN-0008104	1	CABLE CLAMP
59	MW-0183510	2	WASHER, M5 LOCK
57	MS-0303515	2	SCREW, BT HD M5 X 12
56	MW-0263610	9	WASHER, M6 STAR
55	MS-0303614	9	SCREW, BH M6 x 9
54	MW-0183510	6	WASHER, M5 LOCK
53	MW-0103510	4	WASHER, M5 FLAT
52	MS-0303516	2	BUTTON HD SOC M5 X 12MM
51	MS-0103822	10	SHCS M8 x 40
50	MW-0103810	8	WASHER, FLAT M8
47	SG-0003291-01 M	1	STOP, 10 STA METRIC
45	SG-0003291-02 M	1	STOP, 12 STA METRIC
43	SG-0003291-01	1	STOP, 12 STA ENG
42	CS-0012036-A	22	ASSY, PLUG
41	SG-0003291-02	1	STOP, 12 STA ENG
40	MW-0103610	4	WASHER, M6 FLAT
37	SG-0010116-87	1	GASKET, LT MTR COVER
36	SG-0010115-48	1	COVER, BELT
35	SG-0010115-46	1	COVER, LT MOTOR
34	MS-0103619	8	SCREW, SNCS M6x 25
32	R-0008044	2	PIN, ESCUTCHEON
31	CS-0010302-02	1	TAG, CAUTION PINCH POINT
30	CS-0010994	1	GREASE
29	LT-0010884-5	0	SEALANT, PIPE
28	HM-0009215	1	PLUG, 1" SH PIPE
27	MW-0104210-H	8	WASHER, M12 FLAT HARD
26	MS-0104226	3	SCREW, SHCS M12 x 60
25	SG-0001991-02	1	PLATE, MOTOR MTG
24	SG-0011797-01	1	MOUNT, LT MOTOR
23	MW-0184210	8	WASHER, M12 LOCK
22	MS-0104221	4	SCREW, SHCS M12 x 35
21	CL-0003346-12	1	BELT, GT PROFILE
20	CL-0003177-36 A	1	ASSY, 36 T PULLEY
19	NC-0010884	0	LOCTITE
18	MS-0573822	2	SCREW, SET FLAT PT M8-1.2
17	MN-0153810	2	NUT, M8 HEX
16	CSB-0011320-02	2	BLOCK, ADJ PLATE
15	MS-0103821	12	SCREW, SHCS M8 x 35
14	CS-0007533	1	KEY
13	CS-0000492-01	1	NUT, LOCK
12	6-0006481-05	1	SHIM
11	6-0006481-01	1	SHIM
10	6-0006481-02	1	SHIM
8	SG-0000144-R	1	ASSY, LT REAR
7	OR-0006672	1	O-RING
6	SG-0003291-A	1	LOCATOR ASSY
5	SG-0000266	2	BEARING, ANG CONT
3	SG-0001799-03	1	SPACER
2	CS-0002840-01	1	WASHER
1	SG-0001892-01	1	GEAR, SPIRAL BEVEL
ITEM	PART NUMBER	QTY	DESCRIPTION

NAME ASSY, LIVE TOOL - COMMON PARTS PART NUMBER SG-0000144-CPCE REF LEVEL A  
SHEET 2 of 2

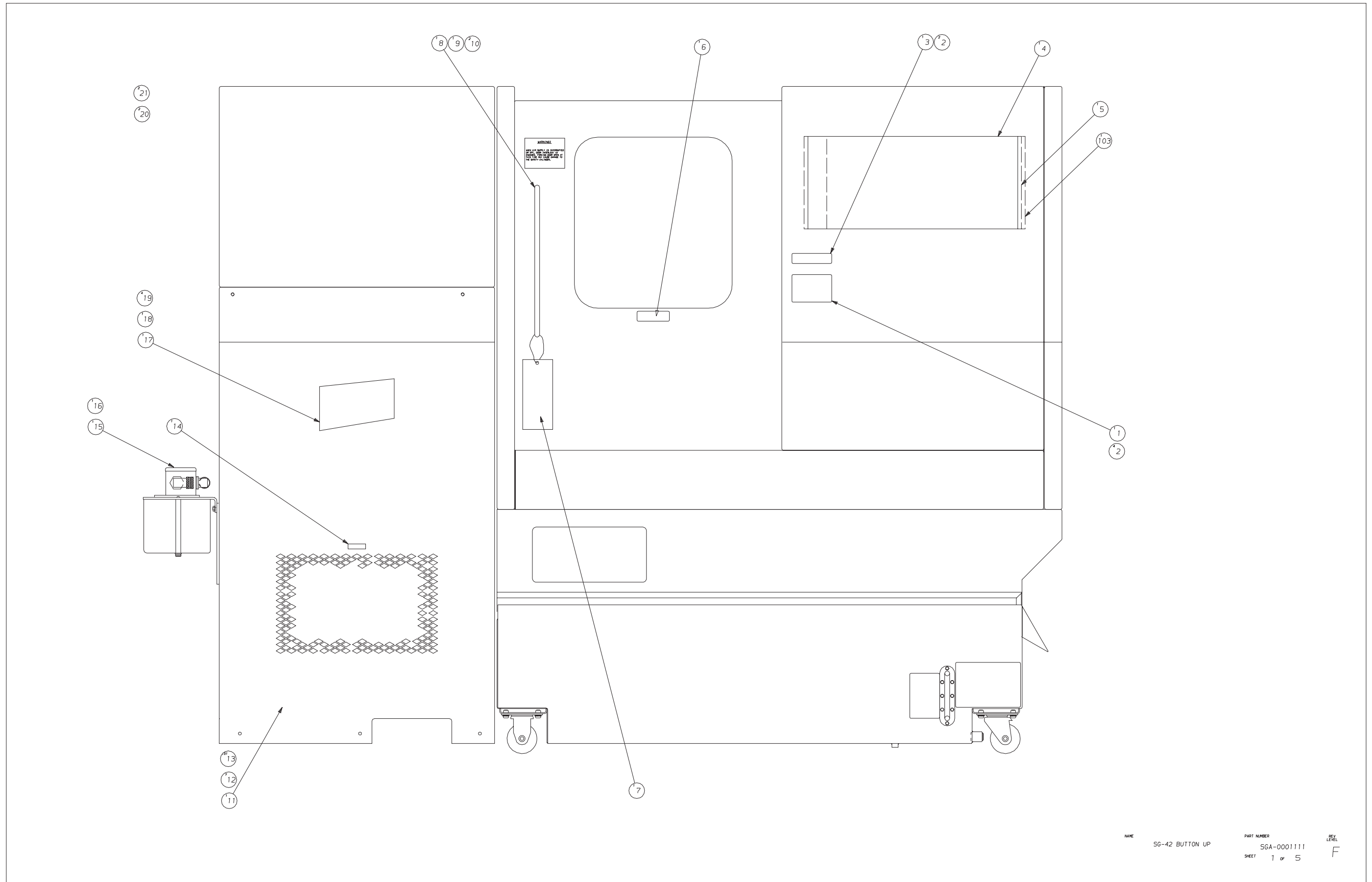


ITEM	PART NUMBER	QUANTITY	DESCRIPTION	ASSEMBLY	LINK	DWG.SZ.
1	MW 0183510	4.0000	WASHER, LOCK REG. M5 X 8 SC	SEE ASSY N.D.	MA	N
2	SG 0003011CX2	1.0000	CABLE ASSY - CX2A-CX2B	SEE ASSY N.D.	MA	B
3	MS 0303517	4.0000	SCREW, BUTTON HD. M5X.8X16MM	SEE ASSY N.D.	MA	N
4	SG 0003011JX1	1.0000	CABLE ASSY - JX1A-JX1B	SEE ASSY N.D.	MA	B
5	SG 000499079	1.0000	PLATE, (LT) DR MTG-CEMARK	SEE ASSY N.D.	MA	D
6	MW 0183610	14.0000	M6 REG. LOCKWASHER	SEE ASSY N.D.	MA	N
7	MW 0103610	12.0000	WASHER, FLAT M6 X 1.0 STEEL	SEE ASSY N.D.	MA	N
8	MS 0303617	12.0000	SCREW, BT. HD. M6X1.0 X 16MM	SEE ASSY N.D.	MA	N
9	MS 0103616	2.0000	SCREW,SDC.HD.CAP M6X1.0X12MM	SEE ASSY N.D.	MA	N
10	LD 0002854	1.0000	TAG LAYOUT - CEMARK	SEE ASSY N.D.	MA	A
11	SG 0003279WPLT	1.0000	WIRE PACKAGE, LIVE TOOL-CEMA	SEE ASSY N.D.	MA	N
12	SG 0003011CELT	1.0000	CABLE PACKAGE, LT - CEMARK	SEE ASSY N.D.	MA	N
13	F3 000997701	3.0000	LABEL, ID	SEE ASSY N.D.	MA	N
14	SG 0012042TCA	1.0000	TERMINATING CONNECTING ASSY.	SEE ASSY N.D.	MA	B
15	18 0008776A01	1.0000	KIT, 5.5 KVA POWER SUPPLY	SEE ASSY N.D.	MA	N

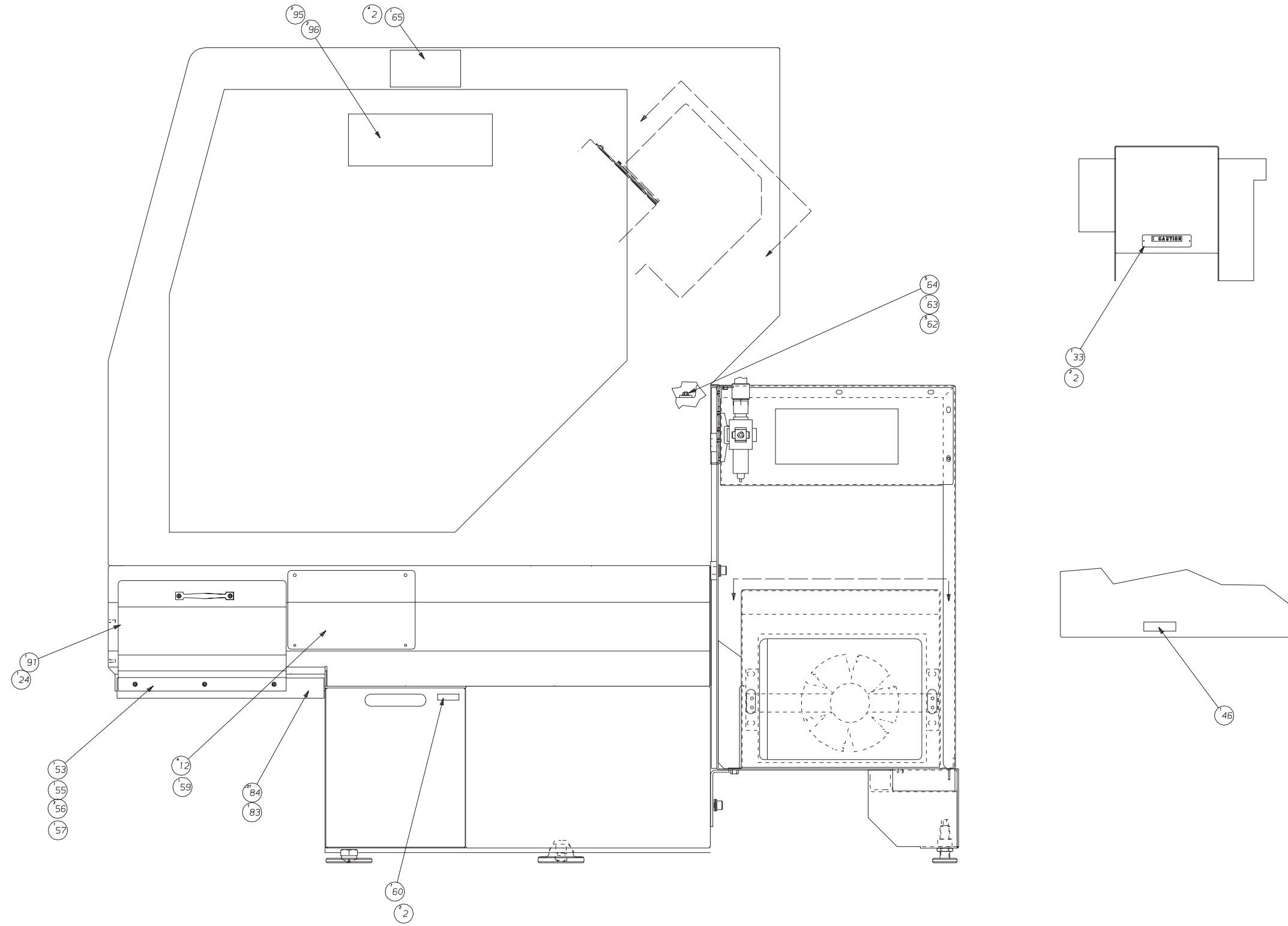
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# Miscellaneous Components



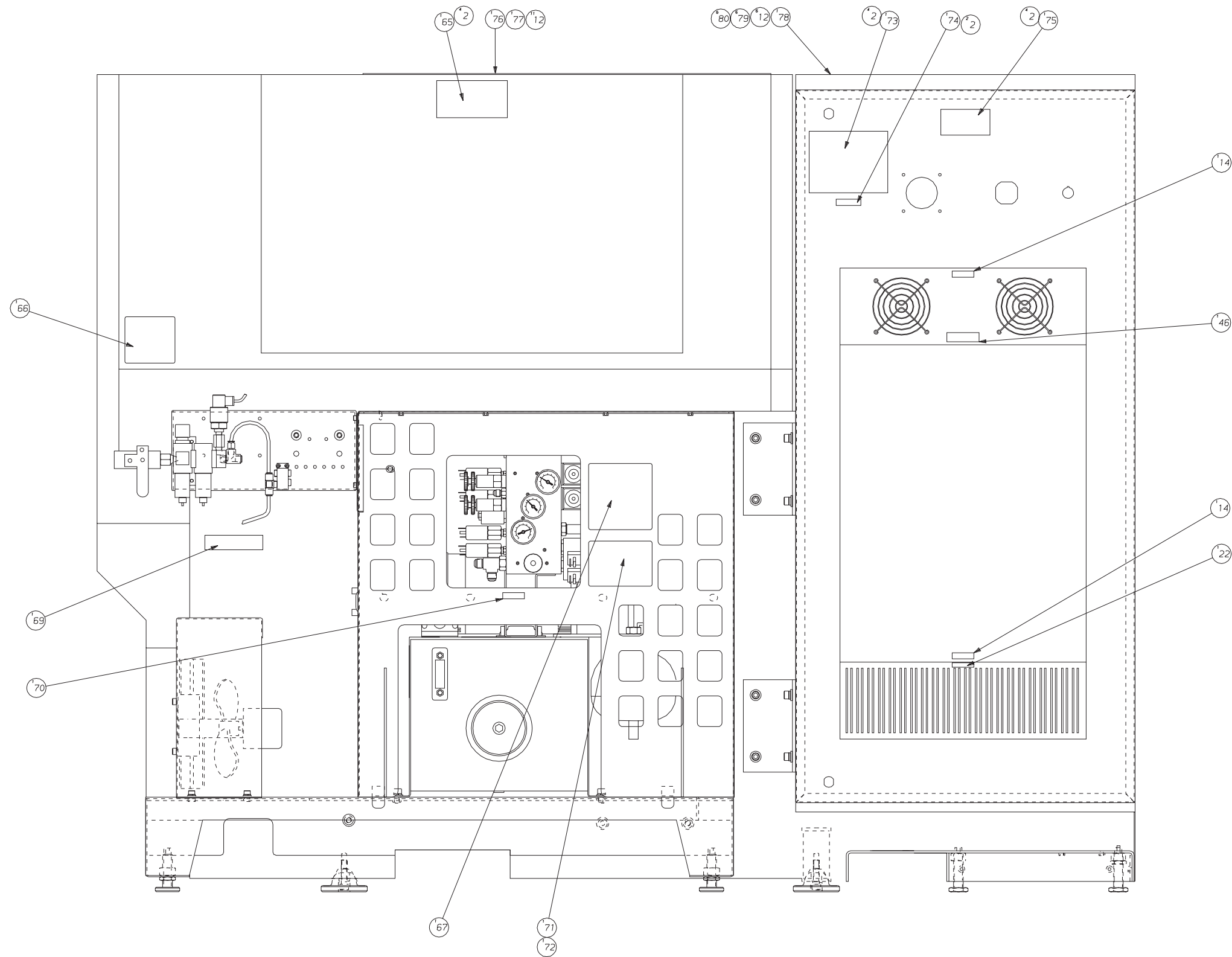
NAME SG-42 BUTTON UP  
PART NUMBER SGA-0001111  
SHEET 1 of 5  
REV. LEVEL F



NAME SG-42 BUTTON UP  
PART NUMBER SGA-0001111  
SHEET 2 of 5  
REV LEVEL F

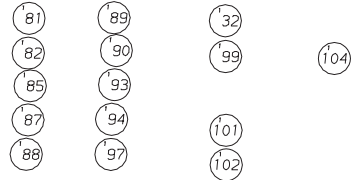






NAME	SG-42 BUTTON UP	PART NUMBER	SGA-0001111	REV	F
SHEET	4 of 5			LEVEL	

# Miscellaneous Components



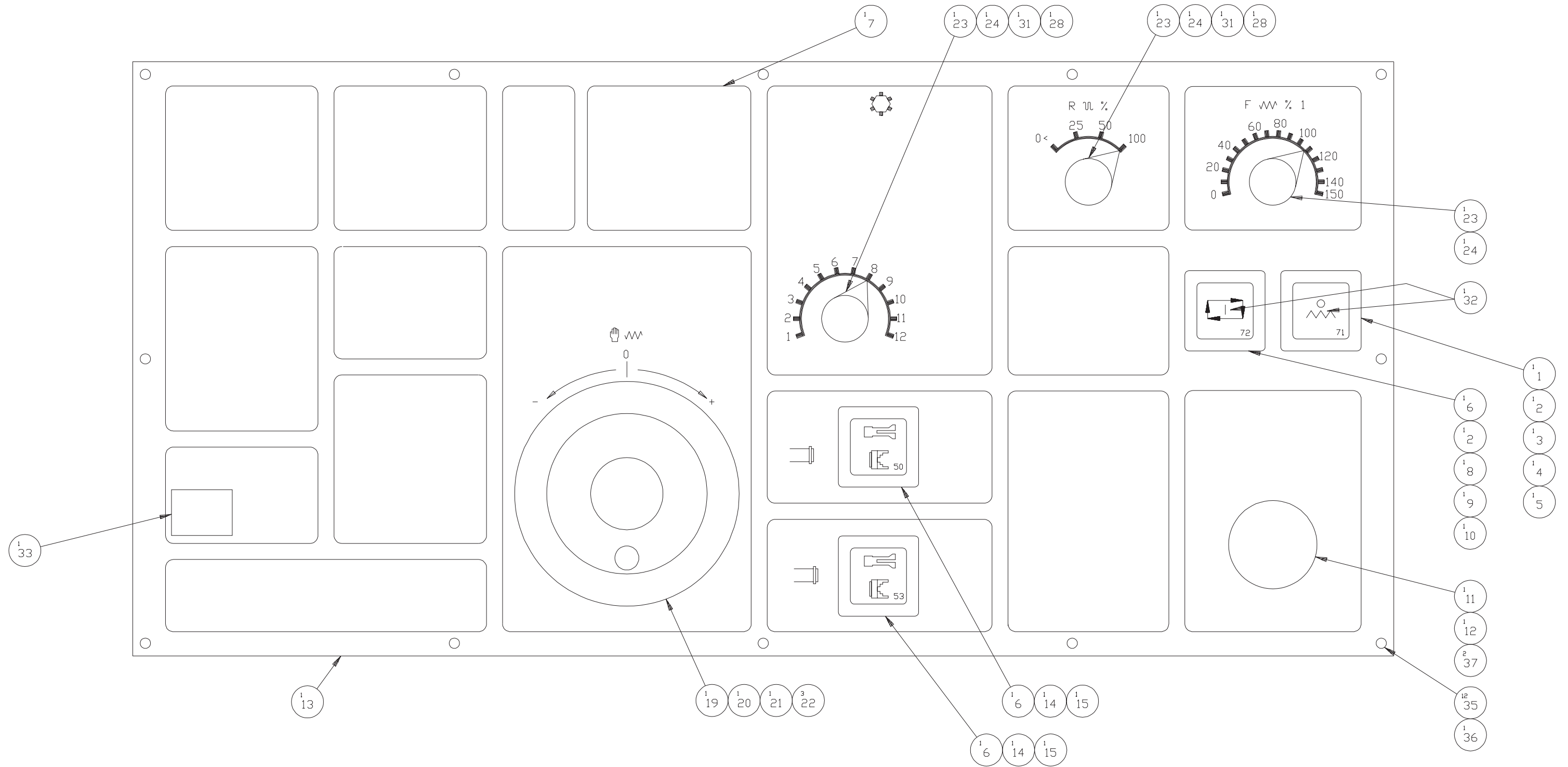
107	SG-0010115-BF	1	MOTOR COVER ASSEMBLY
106	SG-0010115-A1	1	COLLET CLOSER DR. ASSEMBL
104	SG-0010366-04 L	1	TAG SUPER PREC.
103	SG-0010366-03-L	1	TAG, CONQUEST T-42-L
102	SG-0009610-5K	1	FUSES REPLACEMENT
101	HG-0012153	1	INSERT TUBING
99	H-0009500-0992	1	TAG ATTEN OPERATION
97	HG-0010541	1	BUMPER
96	SG-10366-10	4	TAG-HARDINGE-USA
95	SG-10366-09	4	TAG-HARDINGE-USA
94	6-0010331	1	CAP PLUG
93	AD-0010912	1	OIL (DTE-13)
91	SG-0008265	1	NUT
90	KL-0007876-A	1	WASHER
89	KL-0007876	1	COVER
88	HGA-0011259-08	1	COUPLING
87	UB-0000330	1	NUT
85	SB-0011614-F	1	ELEMENT, FILTER
84	GE-0010884	.01	SEALER
83	SG-0009976	1	COVER, SKIRT
82	SG-0020115-18	1	COVER
81	SG-0010115-68	1	COVER
80	MW-0183610	12	LOCKWASHER
79	MW-0103610	12	WASHER, M6
78	SG-0020115-48	1	COVER
77	SG-0010115-WB01	1	COVER, REAR GUARD (STD)
76	SG-0010115-BW	1	COVER, REAR DOOR
75	CSA-0010302-03	2	TAG - CAUTION ELECTRICAL
74	CN-0001535	1	PLATE, SERIAL NO.
73	CL-0008074	1	TAG, DATA PLATE
72	SG-0010366-02CE	1	TAG, BIG BORE CLOSER FORC
71	SGC-0010366-01	1	TAG, COLLET CLOSER FORCE
70	ADA-0010522	1	OIL SPECIFICATION LABEL
69	CS-0010302-07	1	TAG - CAUTION DRAIN FILTE
67	SG-0010366	1	TAG, COLLET CLSR-TAILSTOC
66	CL-0010366-11	1	TAG, PNEUMATIC SCHEMATIC
65	CS-0010302-01	2	TAG, CAUTION-ACCESS COVER
64	MN-0283610	5	NUT, FLANGED M6
ITEM	PART NUMBER	QTY	DESCRIPTION

63	SG-0002990	1	PLATE, CLAMPING
62	MS-0573620	5	SCREW, SOCKET SET
60	CS-0010522	1	TAG, LUBRICATION
59	SG-0020115-33	1	COVER, SKIRT
57	SG-0000221-77	1	COVER, SKIRT
56	MS-0303515	3	SCREW, BT HD M5 X 0.8 X 1
55	CG-0010642	1	HANDLE
53	CSA-0002990-82	1	RETAINER, SPLASH STRIP
52	CL-0010449-05	1	GUARD, COLLET CLOSER
51	SG-0004990-53	1	RETAINER, SPLASH (COOLANT
50	MS-0303517	8	M5 SCREW, BT HD X 16MM
49	MW-0183510	8	WASHER, LOCK REGULAR M5
48	MW-0103510	8	M5 WASHER, FLAT
47	CL-0010449-04	1	GASKET, GUARD COLLET CLOS
46	CC-0010302-01	3	TAG, FAN WARNING
45	MW-0263610	2	WASHER, STAR EXT. M6 X 1.
43	HG-0010598	2	HANGER, COVER
41	CN-0009532-04	1	GROMMET
40	SB-0010302-06	1	TAG, WARNING BAR STOCK
39	CS-0010302-1	1	TAG, RS232
38	SG-0010115-25	1	COVER, COOLANT CATCHER
37	HGA-0011738-04	2	LATCH, BLACK
36	CSA-0011738-02	2	LATCH
35	CN-0010116-62	2	GASKET
34	CN-0011198-01	4	TRIM-SEAL
33	CS-0010302-02	2	TAG, CAUTION PINCH POINT
32	CS-0010302	1	TAG CAUTION
31	SG-0002533-WA	1	ASSEMBLY COOLANT CATCHER
30	SG-0002533-BB	1	ASSEMBLY COOLANT CATCHER
29	CS-0006965-01	4	HOSE, 1" FLEXIBLE
28	CC-0006966	3	CLAMP, HOSE
27	SG-0010366-05	1	TAG, LUBE SCHEMATIC
26	RF-0011971	1	BAG
24	MN-0283510	2	M5 FLANGE NUT
23	SG-0010115-MC	1	COVER, MOTOR COMP. WELD A
22	AD-0011350-01	2	TAG
21	CS-0011255-L	2	LABEL DISKETTE
20	CS-0011255-01	2	DISKETTE
19	CN-0007707	4	NUT
18	CS-0000256-07	1	TAG, HARDINGE
17	CS-0000256-01	1	TAG, HARDINGE
16	CSA-0010522-02	1	TAG, LUBRICATION INSTRUCT
15	CS-0010522-04	1	TAG, ID
14	CC-0010302-02	5	TAG - AIR INLET
13	NC-0010884	.01	LOCTITE #242
12	MS-0303615	36	SCREW, BT HD M6 X 1.0 X 1
11	SG-0010115-12	1	LEFT END WELD ASSY
10	0300512	2	SCREW
9	CS-0011948-01	1	HANDLE, SP
8	SB-0010642-01	1	HANDLE
7	H-0009500-0984	1	TAG, THRU SPINDLE HANGING
6	CS-0010302-W	1	TAG, CAUTION WINDOW
5	SG-0010366-04	1	TAG, CONQUEST 42
4	SG-0010366-03	1	TAG, CONQUEST 42
3	CN-0010302-01	1	TAG, WARNING
2	R-0008044	34	PIN, ESCUTCHEON
1	CS-0010302-08	1	TAG, WARNING
ITEM	PART NUMBER	QTY	DESCRIPTION

NAME SG-42 BUTTON UP

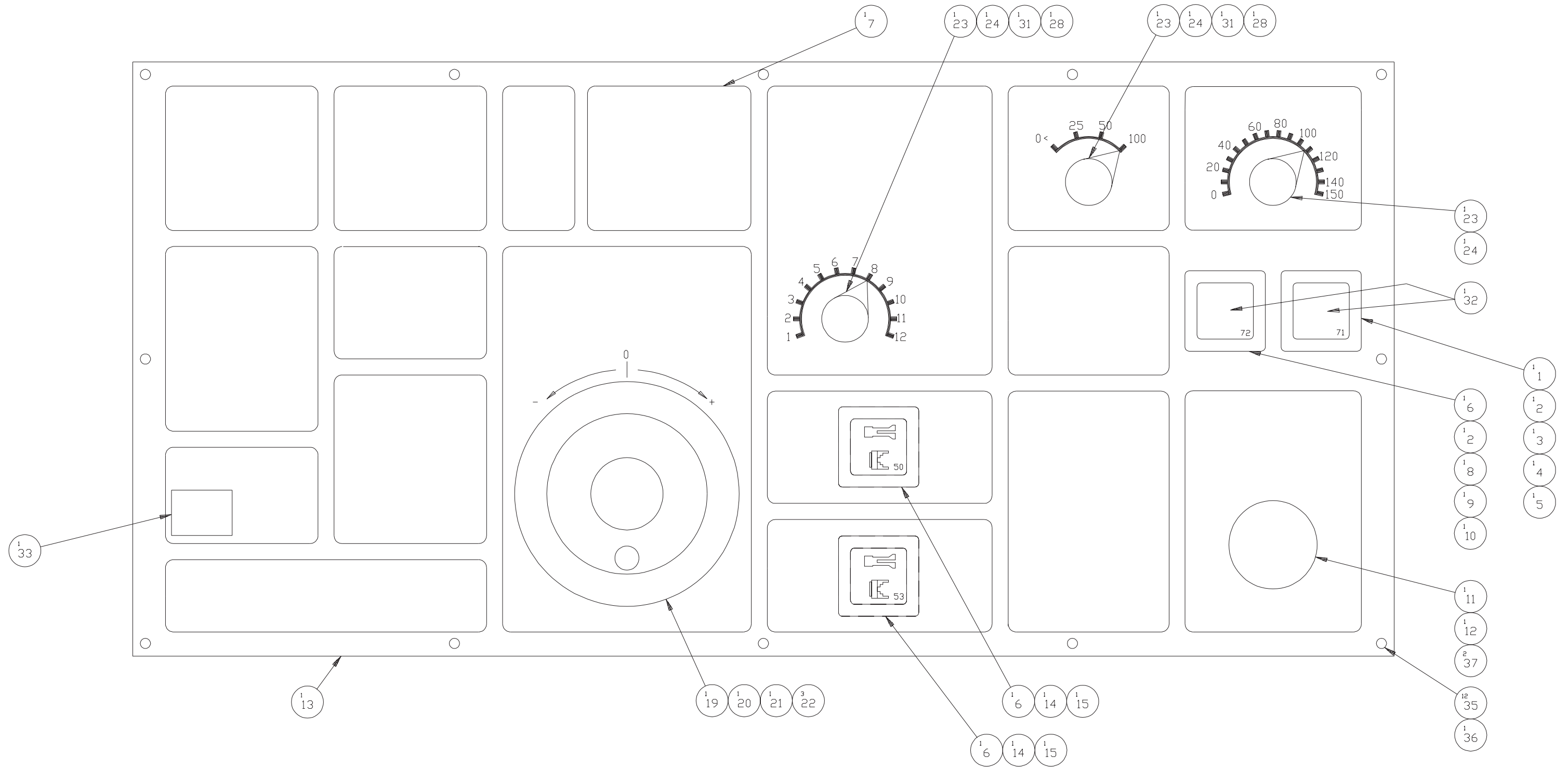
PART NUMBER SGA-0001111  
SHEET 5 of 5

REV LEVEL D



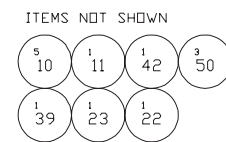
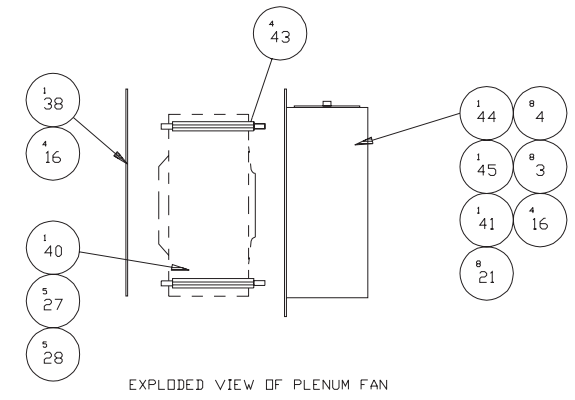
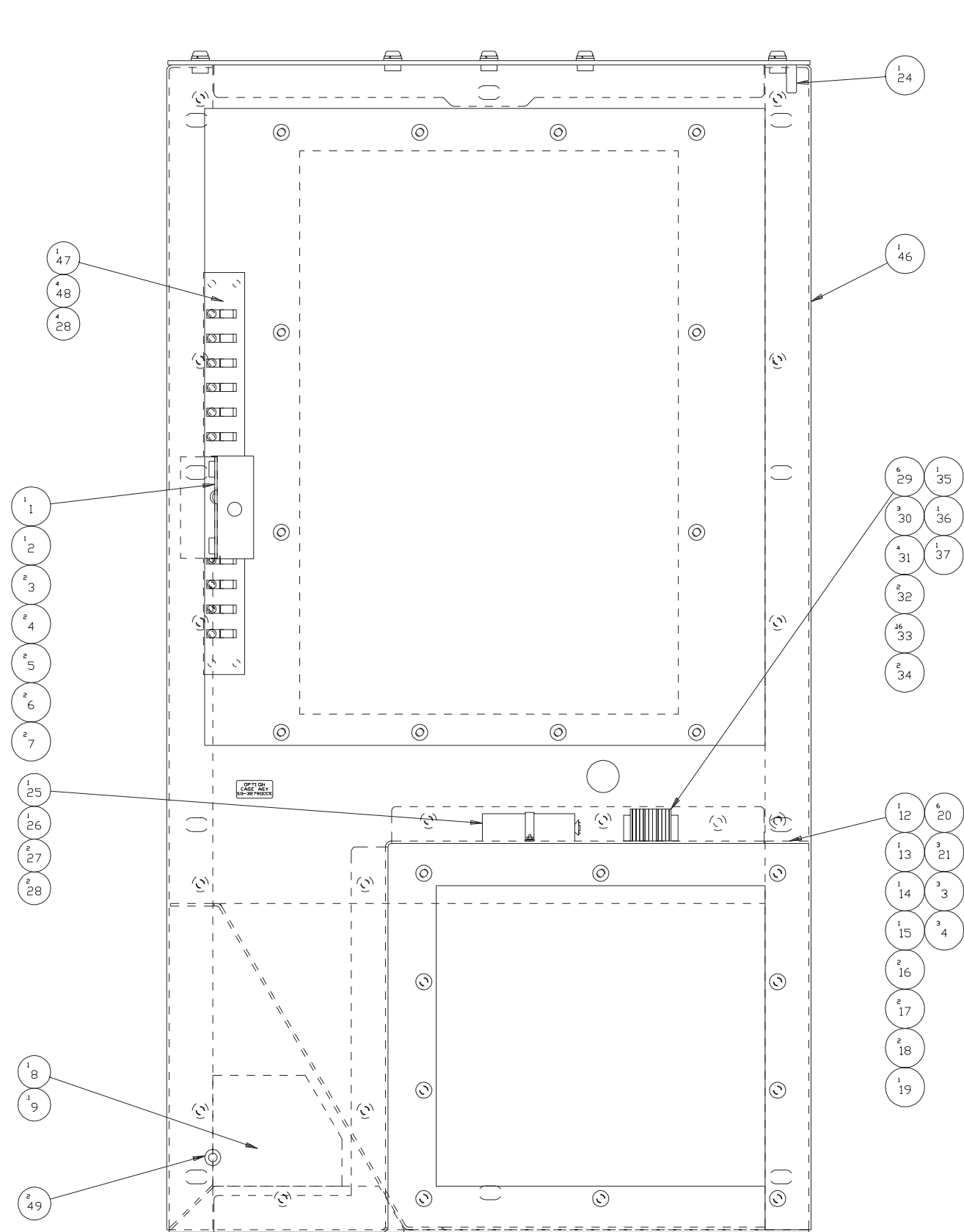
# Operator Control Panel, CE-Mark

ITEM	PART NUMBER	QUANTITY	DESCRIPTION	ASSEMBLY	LINK	DWG.SZ.
1	MC 0010224ES	1.0000	SWITCH, OPERATOR SQUARE-EXTE	SEE ASSY NO.	MA	N
2	HGA000291101	2.0000	LIGHT UNIT	SEE ASSY NO.	MA	N
3	HG 001001906	1.0000	CONTACT BLOCK, NC	SEE ASSY NO.	MA	N
4	HGA000291102	1.0000	LED, 24VDC, RED	SEE ASSY NO.	MA	A
5	MC 0009971RS	1.0000	LENS, SWITCH SQUARE - RED	SEE ASSY NO.	MA	N
6	MC 0010224FS	3.0000	SWITCH, OPERATOR SQUARE-FLUS	SEE ASSY NO.	MA	N
7	CS 001036634	1.0000	TAG, CONQUEST DT-C COVER-UP	SEE ASSY NO.	MA	A
8	HG 001001905	1.0000	CONTACT BLOCK, NO	SEE ASSY NO.	MA	N
9	HGA0002911	1.0000	LED, 24VDC, GREEN	SEE ASSY NO.	MA	A
10	MC 0009971GS	1.0000	LENS, SWITCH SQUARE - GREEN	SEE ASSY NO.	MA	N
11	SG 000365012	1.0000	SWITCH, E-STOP, 3 POS.	SEE ASSY NO.	MA	N
12	CN 0010116 B	1.0000	GASKET, E STOP SWITCH	SEE ASSY NO.	MA	A
13	SG 0011844PE	1.0000	MTB PANEL - SG-CEMARK	SEE ASSY NO.	MA	D
14	HGA001001901	2.0000	CONTACT BLOCK	SEE ASSY NO.	MA	N
15	MC 0009971CS	2.0000	LENS, SWITCH SQUARE - CLEAR	SEE ASSY NO.	MA	N
16	AH 0009910	5.0000	TY RAP	SEE ASSY NO.	MA	N
17	LM 0008104	4.0000	TY-RAP	SEE ASSY NO.	MA	N
18	CN 000283403	1.0000	SWITCH, ROTARY (12 POSITIONS)	SEE ASSY NO.	MA	N
19	FCA0011796	1.0000	GENERATOR, MANUAL PULSE	SEE ASSY NO.	MA	A
20	CN 0010116PG	1.0000	GASKET, MPG	SEE ASSY NO.	MA	B
21	CNA001150501	1.0000	RETAINER, MPG	SEE ASSY NO.	MA	B
22	MS 0453441	3.0000	SCREW, FL.HD.SLOT M4X.7X14MM	SEE ASSY NO.	MA	N
23	CS 0006578	3.0000	KNOB	SEE ASSY NO.	MA	N
24	CN 001011697	3.0000	GASKET, ROTARY SWITCH	SEE ASSY NO.	MA	A
25	CN 00120425R	5.0000	RECEPTACLE, 5 POS	SEE ASSY NO.	MA	N
26	CN 000283404	1.0000	SWITCH, ROTARY (18 POSITIONS)	SEE ASSY NO.	MA	N
27	2210002874BU	35.4300	WIRE	SEE ASSY NO.	MA	N
28	CS 0007910	2.0000	WASHER	SEE ASSY NO.	MA	N
29	CN 000918802	2.0000	STAKON, F.TAB.11 X .02,22-1	SEE ASSY NO.	MA	N
30	CS 000283402	1.0000	SWITCH, BCD ENCODER ROTARY	SEE ASSY NO.	MA	N
31	CS 000406803	2.0000	NUT	SEE ASSY NO.	MA	N
32	SG 0010366KCE	1.0000	TAG KIT, CE MARK	SEE ASSY NO.	MA	B
33	CN 000283407	1.0000	SWITCH, KEYLOCK	SEE ASSY NO.	MA	N
34	CN 00120422R	3.0000	2 POS. RECEPTACLE	SEE ASSY NO.	MA	N
35	MS 0303315	12.0000	SCREW, BUTTON HD. M3X.5X10MM	SEE ASSY NO.	MA	N
36	RF 0011971	1.0000	BAG - MAIL	SEE ASSY NO.	MA	N
37	SG 0010019	2.0000	CONTACT BLOCK	SEE ASSY NO.	MA	N
39	CK 000918820	12.0000	FERRULES, 20 AWG	SEE ASSY NO.	MA	N
40	SG 0011622	2.6700	SLEEVE, PLASTIC COIL, 3/16"-2"	SEE ASSY NO.	MA	N
41	SG 0003011CEMP	1.0000	CABLE PACKAGE, ASSEMBLY SG\CL-CE	SEE ASSY NO.	MA	D



## Operator Control Panel, Non-CE Mark

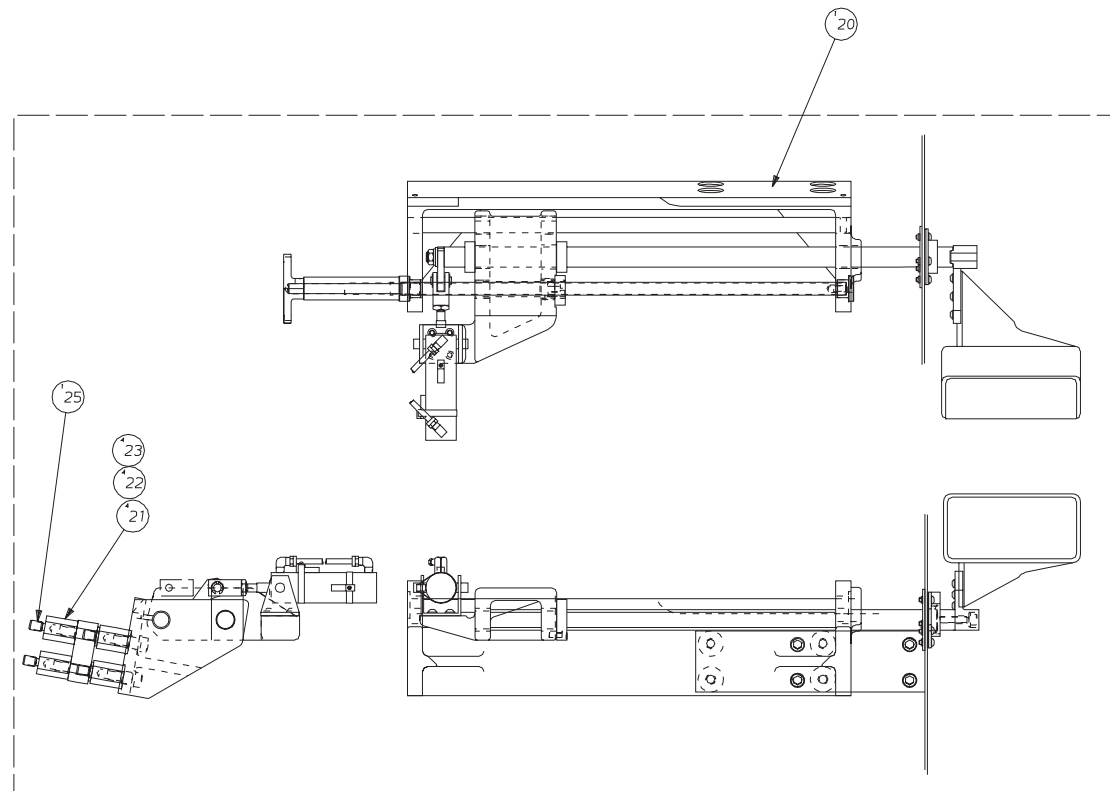
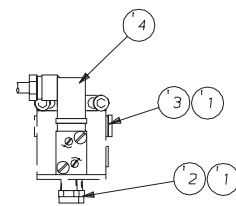
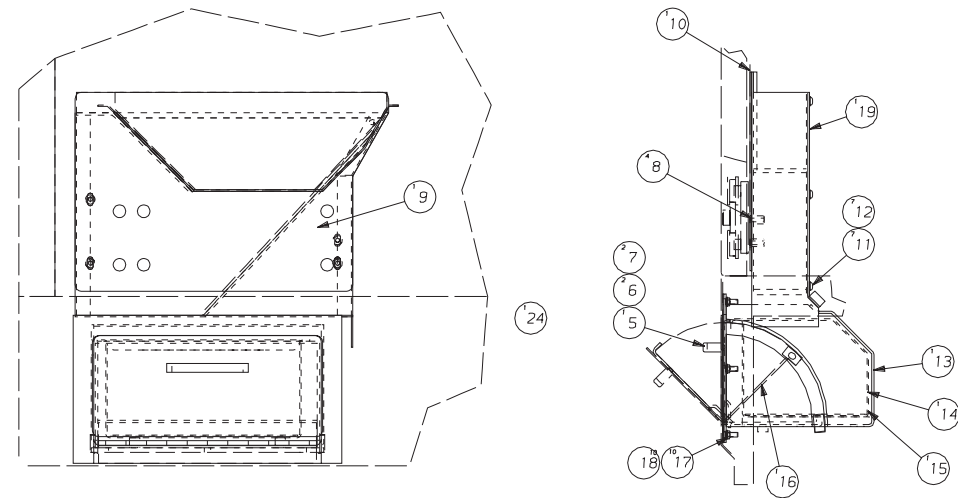
ITEM	PART NUMBER	QUANTITY	DESCRIPTION	ASSEMBLY	LINK	DWG.SZ.
1	MC 0010224ES	1.0000	SWITCH, OPERATOR SQUARE-EXTE	SEE ASSY NO.	MA	N
2	HGA000291101	2.0000	LIGHT UNIT	SEE ASSY NO.	MA	N
3	HG 001001906	1.0000	CONTACT BLOCK, NC	SEE ASSY NO.	MA	N
4	HGA000291102	1.0000	LED, 24VDC, RED	SEE ASSY NO.	MA	A
5	MC 0009971RS	1.0000	LENS, SWITCH SQUARE - RED	SEE ASSY NO.	MA	N
6	MC 0010224FS	3.0000	SWITCH, OPERATOR SQUARE-FLUS	SEE ASSY NO.	MA	N
7	CS 001036634	1.0000	TAG, CONQUEST DT-C COVER-UP	SEE ASSY NO.	MA	A
8	HG 001001905	1.0000	CONTACT BLOCK, NO	SEE ASSY NO.	MA	N
9	HGA0002911	1.0000	LED, 24VDC, GREEN	SEE ASSY NO.	MA	A
10	MC 0009971GS	1.0000	LENS, SWITCH SQUARE - GREEN	SEE ASSY NO.	MA	N
11	SG 000365012	1.0000	SWITCH, E-STOP, 3 POS.	SEE ASSY NO.	MA	N
12	CN 0010116 B	1.0000	GASKET, E STOP SWITCH	SEE ASSY NO.	MA	A
13	SG 0011844EN	1.0000	MTB PANEL - SG-CEMARK	SEE ASSY NO.	MA	D
14	HGA001001901	2.0000	CONTACT BLOCK	SEE ASSY NO.	MA	N
15	MC 0009971CS	2.0000	LENS, SWITCH SQUARE - CLEAR	SEE ASSY NO.	MA	N
16	AH 0009910	5.0000	TY RAP	SEE ASSY NO.	MA	N
17	LM 0008104	4.0000	TY-RAP	SEE ASSY NO.	MA	N
18	CN 000283403	1.0000	SWITCH, ROTARY (12 POSITIONS	SEE ASSY NO.	MA	N
19	FCA0011796	1.0000	GENERATOR, MANUAL PULSE	SEE ASSY NO.	MA	A
20	CN 0010116PG	1.0000	GASKET, MPG	SEE ASSY NO.	MA	B
21	CNA001150501	1.0000	RETAINER, MPG	SEE ASSY NO.	MA	B
22	MS 0453441	3.0000	SCREW, FL.HD.SLOT M4X.7X14MM	SEE ASSY NO.	MA	N
23	CS 0006578	3.0000	KNOB	SEE ASSY NO.	MA	N
24	CN 001011697	3.0000	GASKET, ROTARY SWITCH	SEE ASSY NO.	MA	A
25	CN 00120425R	5.0000	RECEPTACLE, 5 POS	SEE ASSY NO.	MA	N
26	CN 000283404	1.0000	SWITCH, ROTARY (18 POSITIONS	SEE ASSY NO.	MA	N
27	2210002874BU	35.4300	WIRE	SEE ASSY NO.	MA	N
28	CS 0007910	2.0000	WASHER	SEE ASSY NO.	MA	N
29	CN 000918802	2.0000	STAKON, F.TAB.11 X .02,22-1	SEE ASSY NO.	MA	N
30	CS 000283402	1.0000	SWITCH, BCD ENCODER ROTARY	SEE ASSY NO.	MA	N
31	CS 000406803	2.0000	NUT	SEE ASSY NO.	MA	N
32	SG 0010366KCE	1.0000	TAG KIT, CE MARK	SEE ASSY NO.	MA	B
33	CN 000283407	1.0000	SWITCH, KEYLOCK	SEE ASSY NO.	MA	N
34	CN 00120422R	3.0000	2 POS. RECEPTACLE	SEE ASSY NO.	MA	N
35	MS 0303315	12.0000	SCREW, BUTTON HD. M3X.5X10MM	SEE ASSY NO.	MA	N
36	RF 0011971	1.0000	BAG - MAIL	SEE ASSY NO.	MA	N
37	SG 0010019	2.0000	CONTACT BLOCK	SEE ASSY NO.	MA	N
39	CK 000918820	12.0000	FERRULES, 20 AWG	SEE ASSY NO.	MA	N
40	SG 0011622	2.6700	SLEEVE, PLASTIC COIL, 3/16"-2"	SEE ASSY NO.	MA	N
41	SG 0003011CEMP	1.0000	CABLE PACKAGE, SG\CL-CE-MARK	SEE ASSY NO.	MA	N



# Option Case

ITEM	PART NUMBER	QUANTITY	DESCRIPTION	ASSEMBLY	LINK	DWG.SZ.
1	CL 001022407	1.0000	SWITCH, INTERLOCK	SEE ASSY NO.	MA	N
2	CL 000415832	1.0000	BRACKET, SWITCH,OTC & I/O CA	SEE ASSY NO.	MA	B
3	MW 0183610	13.0000	M6 REG. LOCKWASHER	SEE ASSY NO.	MA	N
4	MW 0103610	13.0000	WASHER, FLAT M6 X 1.0 STEEL	SEE ASSY NO.	MA	N
5	MS 0303615	2.0000	SCREW, BT. HD. M6X1.0X 10MM	SEE ASSY NO.	MA	N
6	0300103	2.0000	SCREW BT HD 6-32 X 3/16	SEE ASSY NO.	MA	N
7	6 0008137	2.0000	WASHER, LOCK	SEE ASSY NO.	MA	N
8	SB 001056504	1.0000	U CHANNEL	SEE ASSY NO.	MA	N
9	3 001088401	0.1000	ADHESIVE	SEE ASSY NO.	MA	N
10	F3 000997701	5.0000	LABEL, ID	SEE ASSY NO.	MA	N
11	LD 0002854	1.0000	TAG LAYOUT - CEMARK	SEE ASSY NO.	ME	A
12	SG 00037800C	1.0000	DOOR, OPTION CASE	SEE ASSY NO.	MA	D
13	SGA000415809	1.0000	PLATE, DOOR HINGE (BOTTOM)	SEE ASSY NO.	MA	A
14	SG 000415811	1.0000	SPACER, NYLON (P.C. DOOR)	SEE ASSY NO.	MA	A
15	SG 000415810	1.0000	BRACKET, DOOR HINGE MTG.	SEE ASSY NO.	MA	N
16	MN 0283610	10.0000	NUT, HEX SERRATED FLANGE	SEE ASSY NO.	MA	N
17	HG 001173801	2.0000	LATCH, DOOR, VISE ACTION	SEE ASSY NO.	MA	A
18	HG 0011738	2.0000	DOOR PULL	SEE ASSY NO.	MA	N
19	SG 000415808	1.0000	PLATE, DOOR HINGE (TOP)	SEE ASSY NO.	MA	A
20	CN 001119801	6.0000	SEAL, DOOR	SEE ASSY NO.	MA	N
21	MS 0303617	11.0000	SCREW, BT. HD. M6X1.0 X 16MM	SEE ASSY NO.	MA	N
22	VF 001129801	1.0000	FILTER	SEE ASSY NO.	MA	N
23	SG 001001704	1.0000	HOLDER, FUSE 3P 125A	SEE ASSY NO.	MA	N
24	SG 000179912	1.0000	SPACER, PC & I/O CASE DOOR	SEE ASSY NO.	MA	N
25	CL 0010471	1.0000	CAPACITOR, HEADSTK COOL FAN	SEE ASSY NO.	MA	N
26	CL 0010471 B	1.0000	BRACKET, CAPACITOR	SEE ASSY NO.	MA	N
27	MS 0303415	7.0000	SCREW, BT. HD. M4X.7,X 10MM	SEE ASSY NO.	MA	N
28	MW 0263410	11.0000	WASHER, EXT. STAR M4	SEE ASSY NO.	MA	N
29	HG 0011032	6.0000	TERMINAL BLOCK, GRAY	SEE ASSY NO.	MA	A
30	HG 001103202	3.0000	TERMINAL BLOCK, GREEN/YELLOW	SEE ASSY NO.	MA	A
31	HG 001103203	4.0000	END PLATE	SEE ASSY NO.	MA	A
32	HG 001103204	2.0000	END STOP	SEE ASSY NO.	MA	A
33	CK 9011032	0.1600	RAIL, DIN BLANK	SEE ASSY NO.	MA	N
34	MS 0303515	2.0000	SCREW, BT. HD. M5X.8,X 10MM	SEE ASSY NO.	MA	N
35	HG 001103205	1.0000	JUMPER, 10 POLE	SEE ASSY NO.	MA	A
36	HG 0009175	0.1000	MARKER, STRIP 1-10	SEE ASSY NO.	MA	N
37	SG 0009532	1.0000	GROMMET	SEE ASSY NO.	MA	N
38	SGA000415814	1.0000	SUPPORT, PLENUM FAN	SEE ASSY NO.	MA	C
39	1B 0010016	1.0000	CONTACTOR, 30A	SEE ASSY NO.	MA	N
40	CL 001185003	1.0000	FAN, HEADSTOCK COOLING	SEE ASSY NO.	MA	N
41	SG 0011350	1.0000	FILTER	SEE ASSY NO.	MA	A
42	SG 0003279WPOC	1.0000	WIRE PKG, OP.CASE ASSY-CEMAR	SEE ASSY NO.	MA	N
43	SG 001019002	4.0000	STANDOFF, PLENUM SUPPORT	SEE ASSY NO.	MA	A
44	SG 000415812	1.0000	DUCT, PLENUM FAN	SEE ASSY NO.	MA	D
45	SG 000415819	1.0000	GUARD, PLENUM FAN FINGER	SEE ASSY NO.	MA	B
46	SG 00041580C01	1.0000	OPTION CASE ASSEMBLY-CEMARK	SEE ASSY NO.	MA	D
47	SG 00108204	1.0000	SUPPORT, CABLE BAR	SEE ASSY NO.	MA	B
48	MS 0303410	4.0000	SCREW, BT. HD. M4X.7,X 3MM	SEE ASSY NO.	MA	N
49	HG 0010546	2.0000	NUT, 1/4-20 BRASS HEX	SEE ASSY NO.	MA	N
50	SG 000961014	3.0000	FUSE, G1, 22 X 50mm, 32A	SEE ASSY NO.	MA	N





25	NC-0010884	1	LOCTITE 242
24	CS-0011948-02	1	HANDLE, PULL
23	MW-0194210	4	WASHER
22	MS-0104223	4	SCREW
21	CS-0010190-08	4	STAND OFF
20	SG-0002916-A	1	PART CATCHER MECH. ASSEM.
19	CS-0010115-88	1	COVER, CHUTE
18	MW-0183610	10	WASHER, LOCK
17	MN-0113610	10	NUT, HEX
16	CS-0003990-07	1	TRAY, PART
15	CS-0003990-46	1	BASKET, PART
14	CS-0003990-13	1	BASKET, PART
13	CS-0003990-06	1	BOX, PARTS
12	MW-0103510	7	WASHER, FLAT MS ST.
11	MS-0303514	7	SCREW
10	CS-0010116-35	1	GASKET, CHUTE
9	CS-0000221-CW	1	CHUTE, WELD ASSY
8	MW-0183510	4	WASHER, LOCK
7	MW-0183410	2	WASHER, LOCK
6	0300206	2	SCREW
5	CS-0010642-07	1	HANDLE, PULL
4	SG-0010234-09	1	VALVE
3	RF-0011335-01	1	MUFFLER
2	268-0007702-04	1	CONN., STR.
1	LT-0010884-5	2	SEALANT, PIPE
ITEM	PART NUMBER	QTY	DESCRIPTION

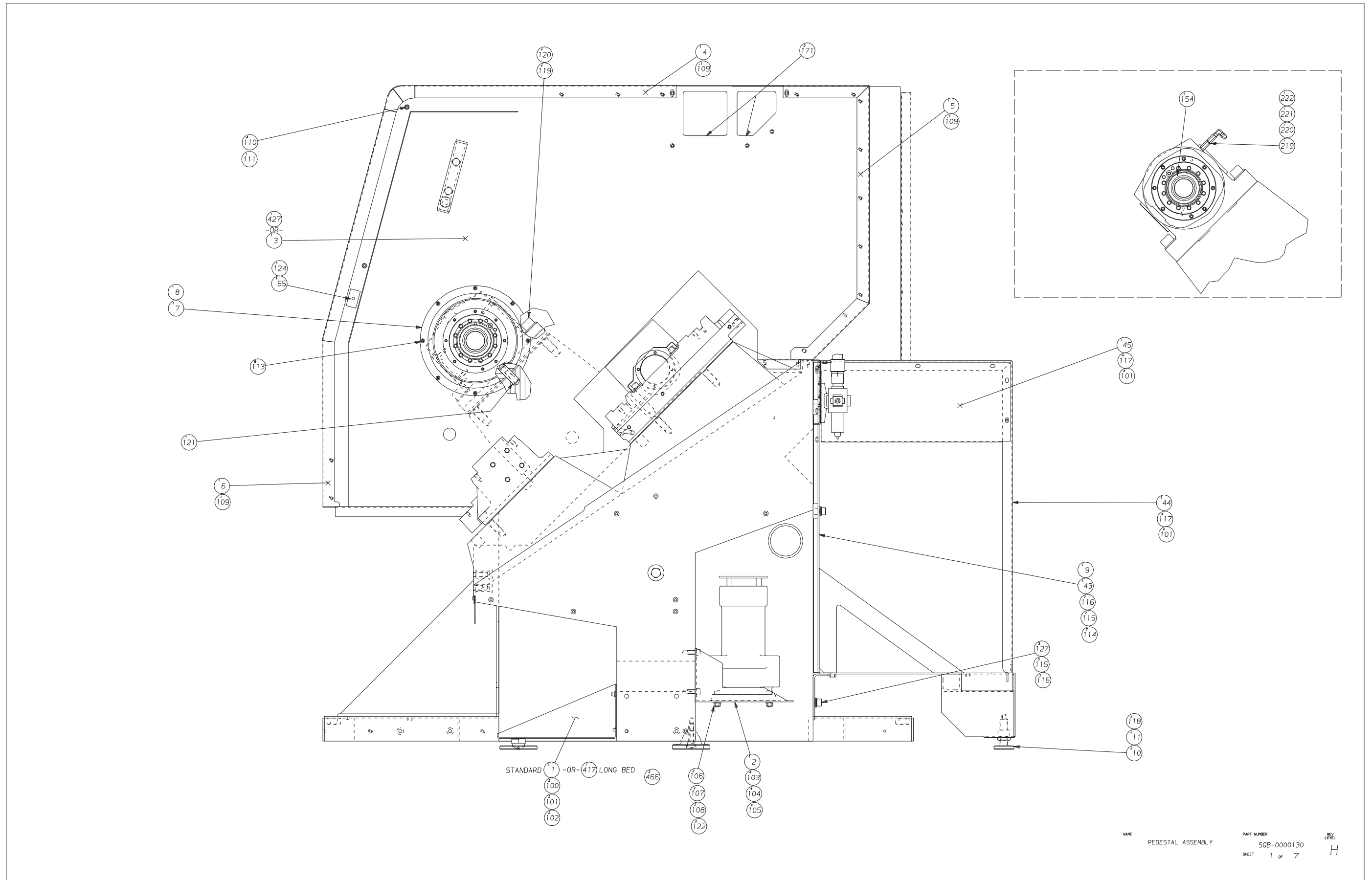
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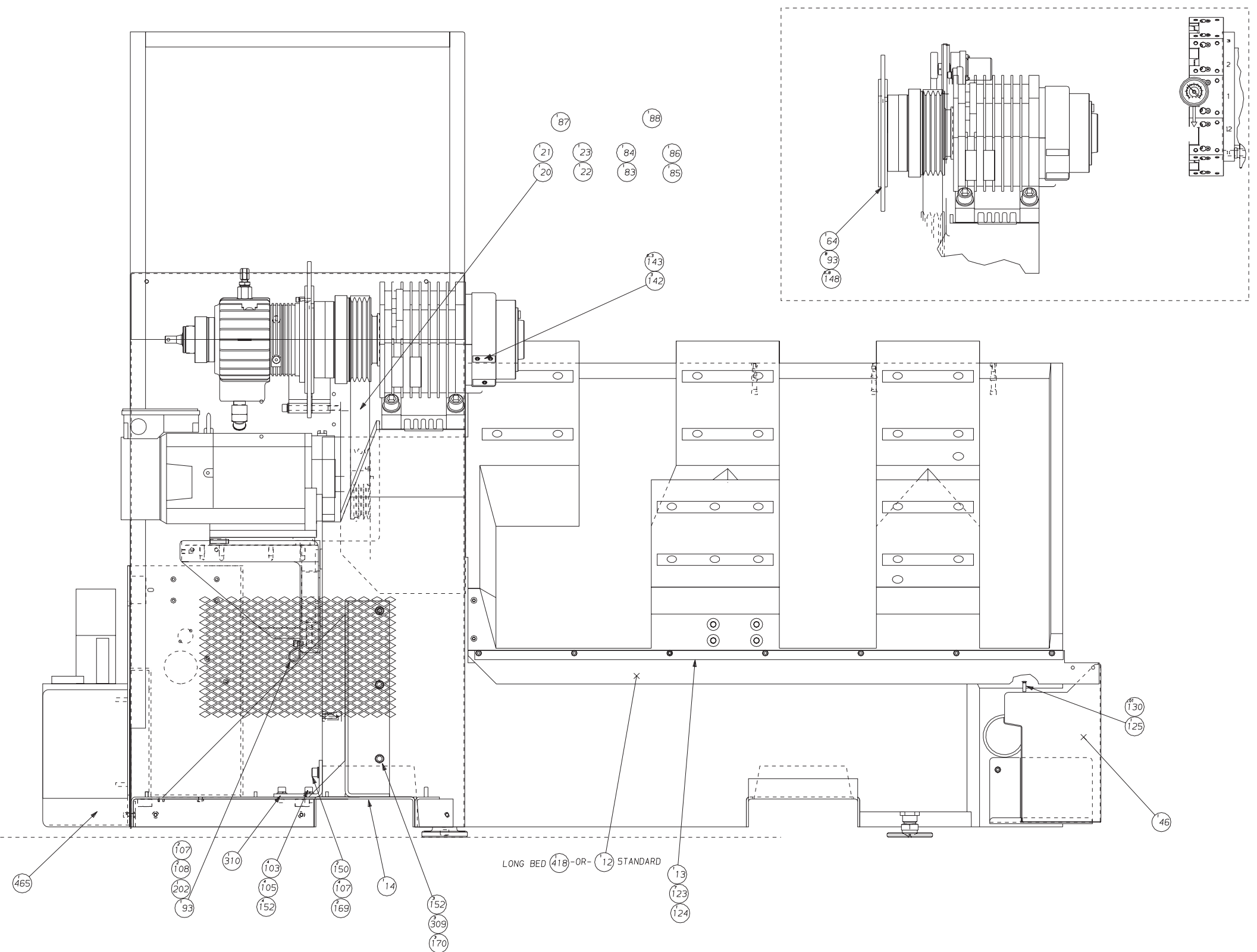
PART NUMBER  
SG-0002916

REV  
LEVEL  
B

SHEET  
1 of 1

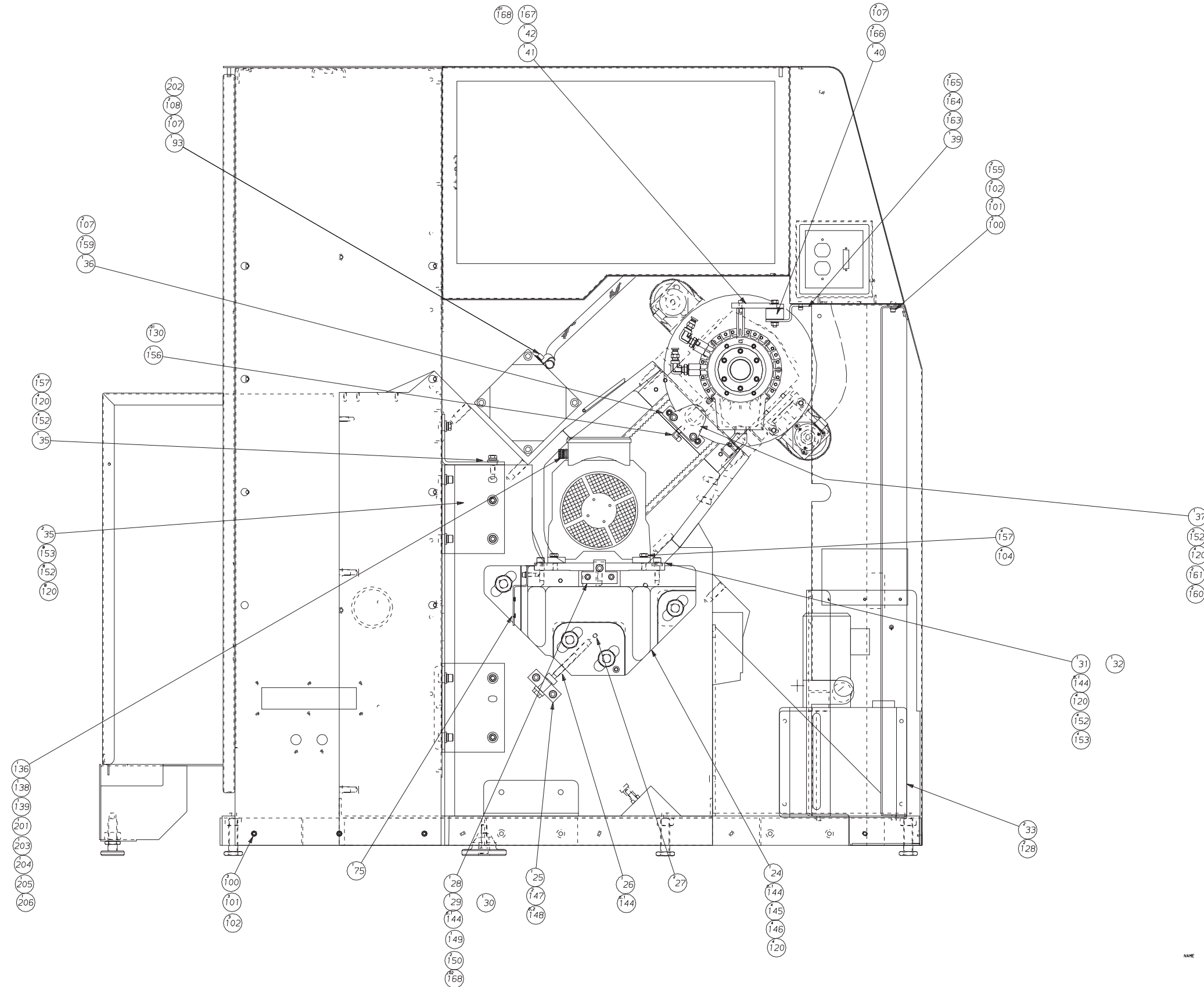
# Pedestal Assembly



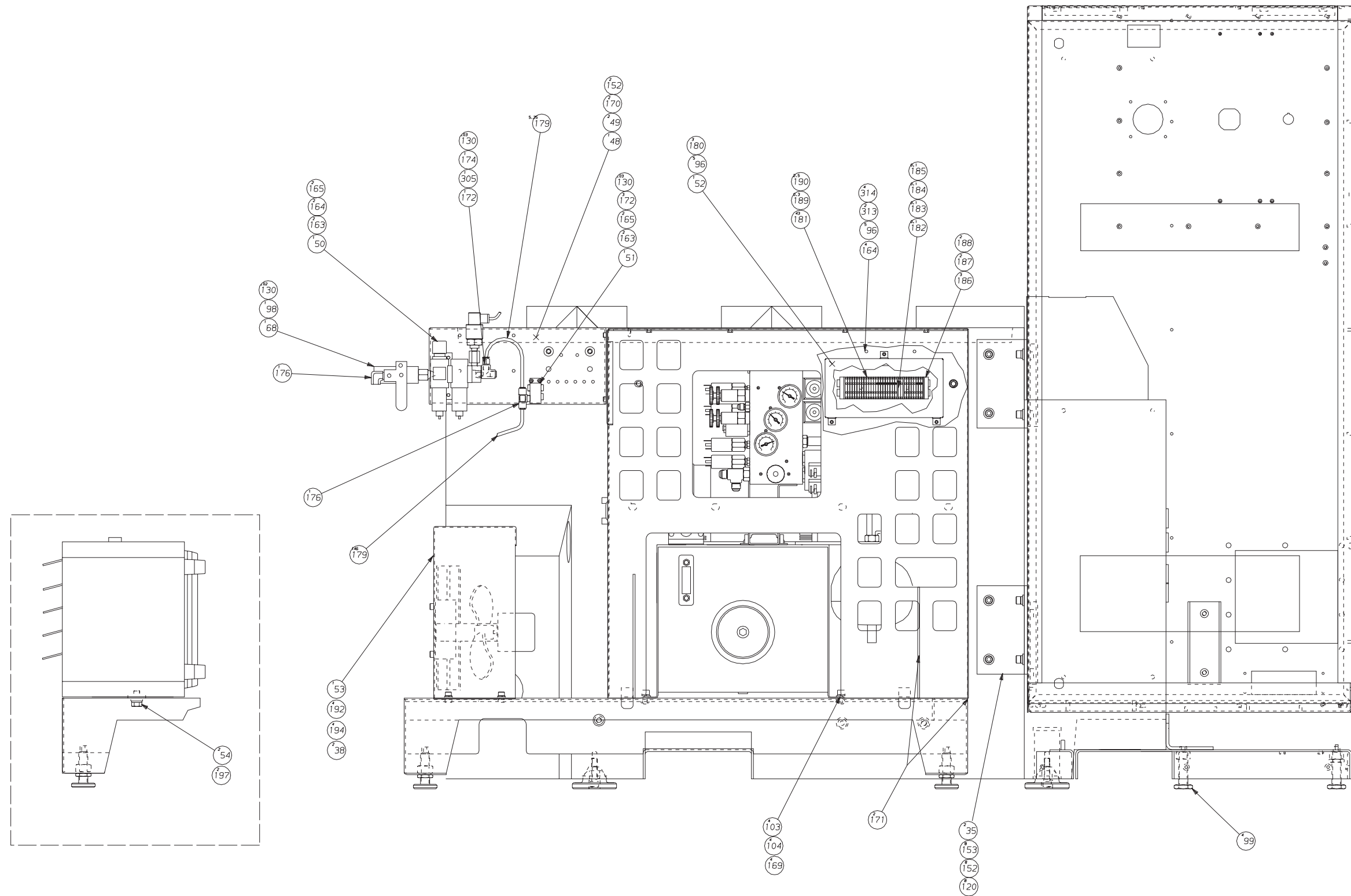


NAME	PEDESTAL ASSEMBLY	PART NUMBER	5GB-0000130	REV	F
SHEET	2 of 7				

# Pedestal Assembly



NAME	PEDESTAL ASSEMBLY	PART NUMBER	SGB-0000130	REV	
SHEET	3 of 7			C	

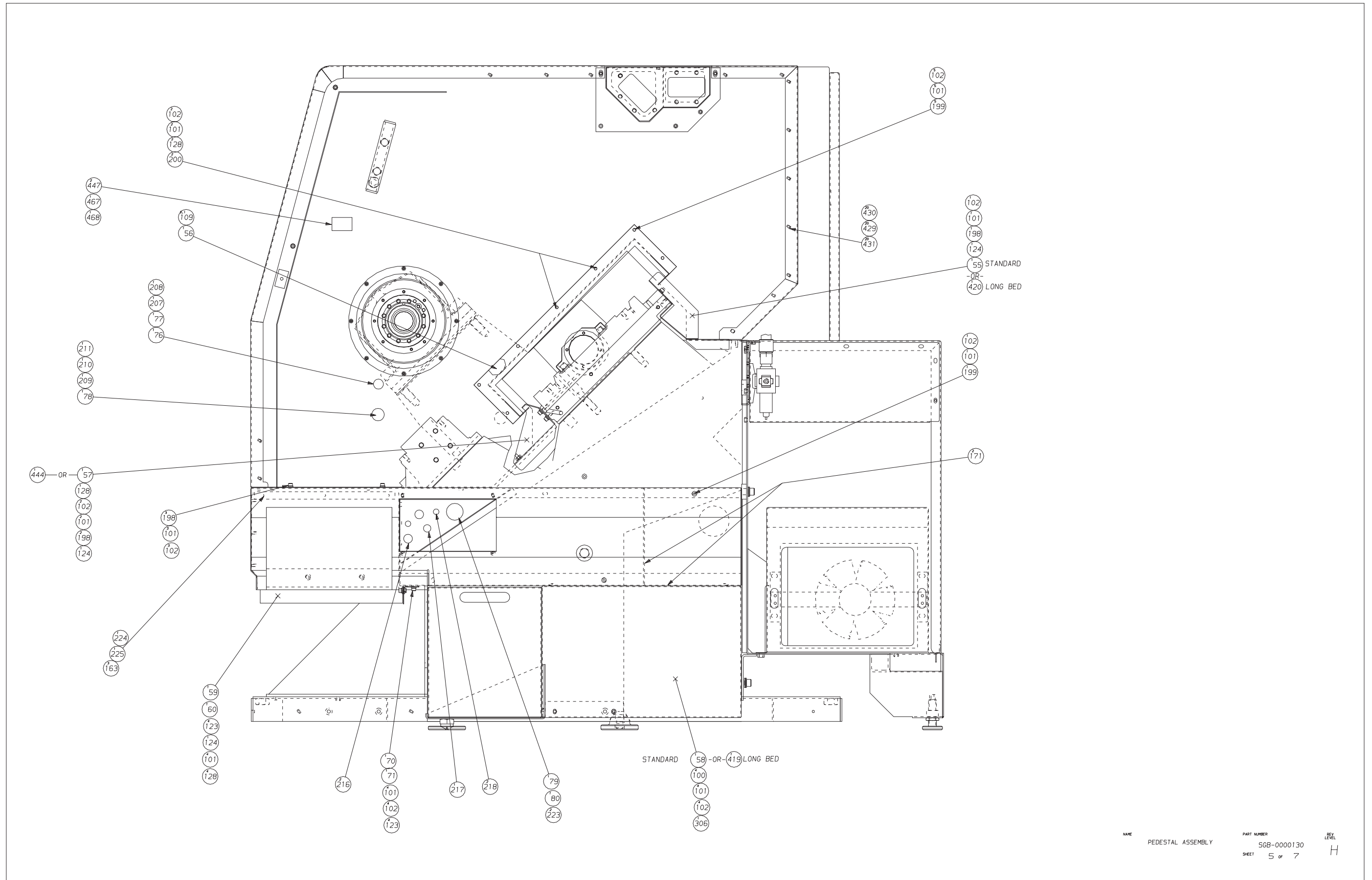


NAME PEDESTAL ASSEMBLY

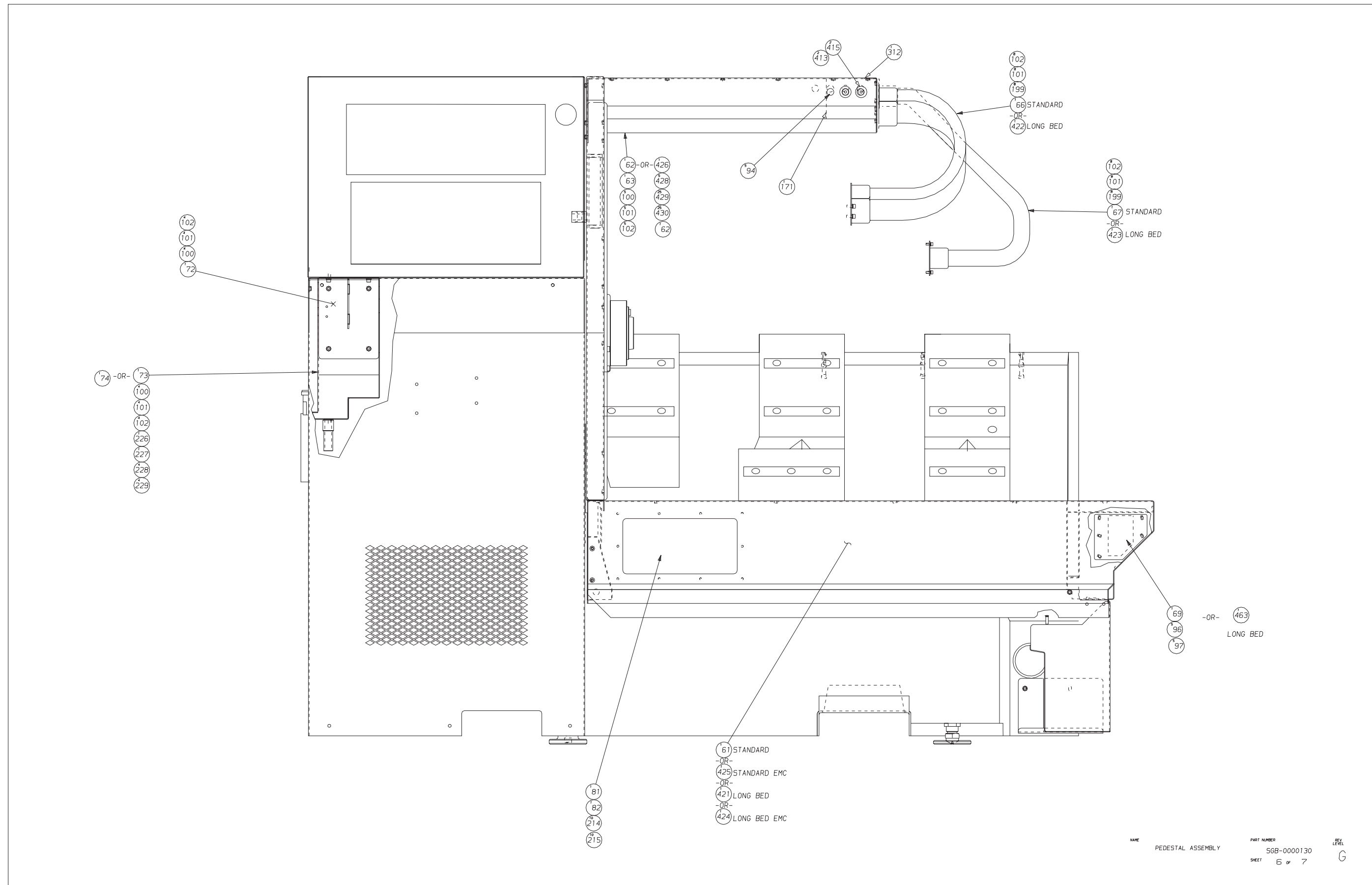
PART NUMBER SGB-0000130  
SHEET 4 of 7

REV. LEVEL D

# Pedestal Assembly



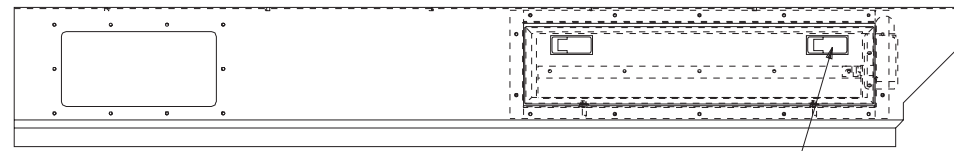
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SHEET	5 of 7			LEVEL	H



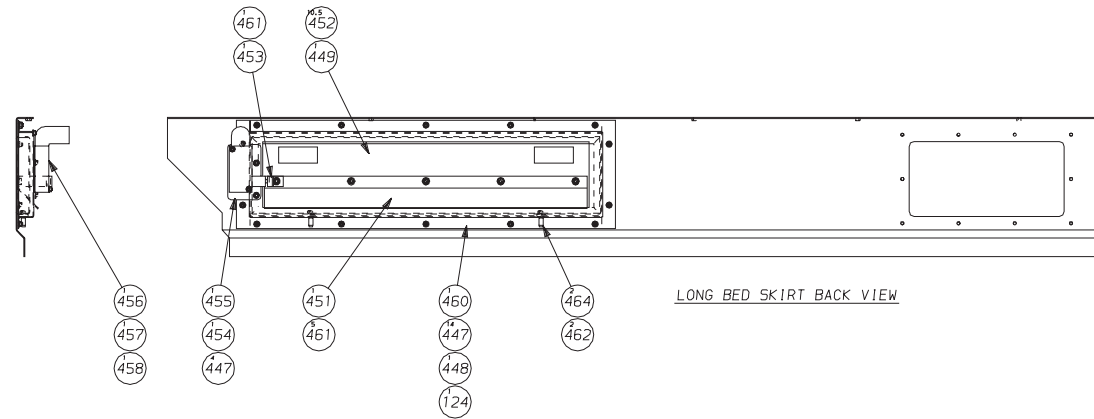
NAME PEDESTAL ASSEMBLY PART NUMBER SGB-0000130 REV LEVEL G  
 SHEET 6 OF 7



# Pedestal Assembly



LONG BED SKIRT FRONT VIEW



LONG BED SKIRT BACK VIEW

ITEM	PART NUMBER	QTY	DESCRIPTION
469	SG-0010115-66	3	COVER, FUSE
468	HG-0010116-30	1	GASKET
467	HG-000199091	1	PLATE, COVER
466	MS-0102821	2	SCREW
465	SG-0002990-32-T1	1	BRACKET, LUBE TANK
464	SB-0011965	2	PIN, MOUNTING
463	SG-0010215-05	1	COVER, SIDES
462	R-0000331	2	NUT
461	MN-0283610	6	MG NUT, FLANGE
460	SG-0001990-SAR	1	RETAINER, SKIRT ACCESS CO
459	CN-0010116-62	2	GASKET
458	53-0010225-32	1	CONNECTOR, STRAIGHT
457	CL-0010229	1	CONDUIT
456	CL-0009207-01	1	CONNECTOR, 90 DEG
455	SG-0001904-5C	1	BRACKET, SWITCH
454	CL-0003650-01	1	SWITCH
453	SG-0001990-B75	1	BRACKET, SWITCH TRIP
452	CN-0011198-01	10.5	SEAL, DOOR
451	CL-0004990-96	1	DEFLECTOR, DOOR
450	CN-0011738-A	2	LATCH
449	SG-0010115-5A	1	COVER, SKIRT ACCESS
448	SG-0010116-DR	1	GASKET, DOOR RETAINER
447	MN-0283510	20	MS NUT, FLANGE
446	MS-0103523	4	SCREW, SHC MS X .8 X 45mm
444	SG-0006418-LE	1	LABYRINTH EXTENSION, LOWE
440	CL-0010224-N	1	NUT
439	SGA-0002990-45	1	LABYRINTH, X AXIS
438	SG-0011423-02	1	SUPPORT, HEADWALL
437	SG-0011027-02	1	LABYRINTH, Z AXIS RAER
435	SG-0010115-35	1	COVER
434	SG-0010115-34	1	COVER
433	SG-0010115-33	1	COVER, REAR X WAY
432	SG-0002990-20	1	BRACKET, GORE TUBE
431	MS-0303617-55	20	SCREW, MB-1.0x16mm Lg SS
430	MN-0103610-55	45	WASHER, MS SS
429	MN-0183610-55	45	LOCK WASHER, MS SS

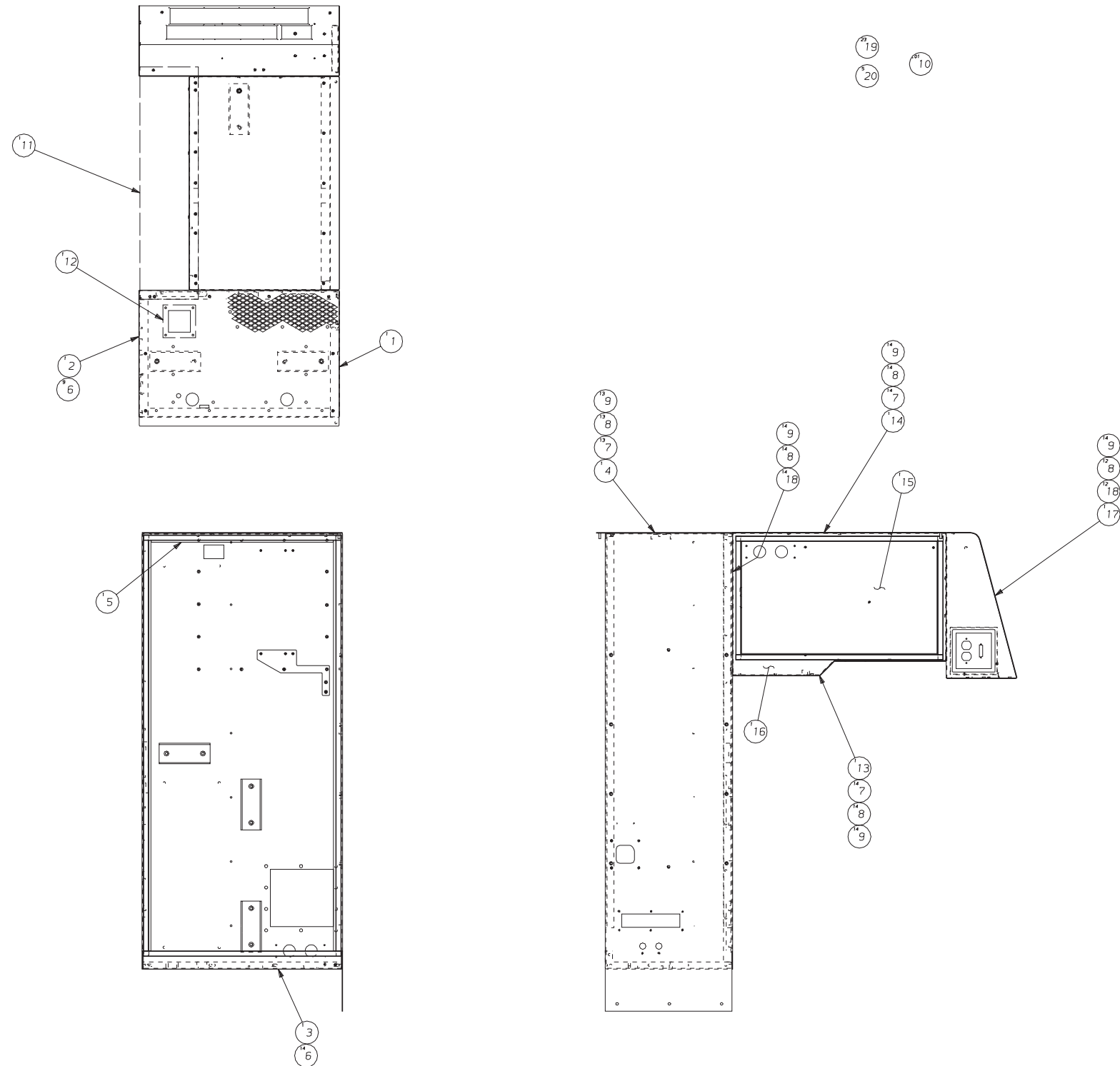
ITEM	PART NUMBER	QTY	DESCRIPTION
428	MS-0303616-55	5	SCREW, MS-1.0x12mm Lg SS
427	SG-0000221-EMHW	1	HEADWALL ASSY.
426	SG-0000122-EMW	1	WIREWAY ASSY., COOLANT GU
425	SG-0000221-EM16	1	SKIRT
424	SG-0000221-EM24	1	SKIRT
423	SG-0011623	1	CABLE CARRIER, Z AXIS
422	SG-0011623-02	1	CABLE CARRIER, X AXIS
421	SG-0000221-24	1	SKIRT
420	SG-0006418-07	1	LABYRINTH, EXT., REAR Z
419	SG-0010115-55	1	COVER, CONNECTOR REAR
418	SG-0009976-03	1	DEFLECTOR, VITON
417	SG-0003990-36	1	BRACKET, TRAMP OIL
416	CN-0008104	4	TY-RAP
415	31-0009207-38	4	CONNECTOR, CABLE
414	125-0010226	1	GASKET, APPLETON
413	52-0010226-61	2	GASKET
410	AH-0010110	2	ELBOW, 90° STREET
408	SG-0009175	1	STRIP, MARKER
404	CS-00070312	4	SMT VEL, 90°
402	CL-0000334	2	NUT, BUSHING
401	CLA-0003650-02	1	SMITOH
314	DVB-0008623	4	CLAMP, PLASTIC
313	MF-00303518	2	SCREW, BUT HD MS X 20 MM
312	CN-0011508	1	NUT, GRIP
310	SG-0001990-06	1	BRACKET, FORKLIFT SLOT
309	CT-0002068	3	WASHER
306	SG-0010115-52	1	COVER, ACCESS
305	CL-0007702-01	1	ELBOW, 90°
302	CL-0010190	1	STANDOFF
300	SG-0003011	1	CABLE PACKAGE
229	MN-0183610	4	WASHER, LOCK, MG
228	MS-0303615	4	SCREW, SOC HA M6 X 10
227	CS-0002533-G	1	GUARD, SPLASH
226	SG-0003990-27	1	RETAINER, SPLASH
225	SG-0010116-91	1	GASKET, SKIRT RETAINER
224	SG-0004990-56	1	RETAINER, GASKET
223	MN-0283610	2	MG NUT, FLANGE
222	CL-0011801-01	1	LEE JET
221	HG-0008984	1	ADAPTER
220	CL-0007702-03	1	ELBOW, 90 DEG M (SWIVEL)
219	CS-0011801	1	BODY, JET METRIC
218	562-0010331---B	2	PLUG
217	75-0010331---B	1	PLUG
216	CR-0010331-01	2	PLUG
215	MN-0283610	10	WASHER, STAR MS
214	CS-0007707	10	NUT, CAP
211	MN-013510	1	NUT, HEX MS
210	CS-0007876-B	1	WASHER, HW PLUG
209	CS-0009431-21	1	O-RING
208	SP-0002843---B	1	NUT
207	OR-0001114	1	O-RING
206	HG-0010229-01	1	1.25" CONDUIT
205	AM-0011508	1	NUT, LOCK
204	SB-0003624	1	REDUCER
203	HG-0011259-5	1	1.25" STRAIGHT FITTING
202	SB-0008623	2	CLAMP, CABLE

ITEM	PART NUMBER	QTY	DESCRIPTION
201	DB-0009207-64	1	BODY
200	MS-0103621	2	SCREW, SOC HD M6 X 35 MM
199	MS-0103617	22	SCREW, SOC HD M6 X 16 MM
198	MS-0303617	6	SCREW, BUT HD M6 X 16 MM
197	UA-0004034	2	NUT, HEX JAM
194	MN-0283610	4	MG NUT, HEX SER.
192	MS-0105010-H	4	SCREW, SOC HD M8 X 12 MM
191	HG-0011032-02	1	TERMINAL BLOCK, GR YELL
184	HG-0011032-05	2.5	JUMPER
189	CK-9011032	.3	DIN RAIL
188	JLA-0009976	2	FOAM
187	HG-0011032-04	2	END STOP
186	HG-0011032-03	3	END PLATE
185	HG-0009175-03	.1	WIRE MARKER
184	HG-0009175-02	.1	WIRE MARKER
183	HG-0009175-01	.1	WIRE MARKER
182	HG-0009175	.1	WIRE MARKER
181	HG-0011032-01	43	TERM BLOCK, BLUE
180	MS-0103516	3	SCREW, SOC HD MS X 12 MM
179	HG-0007007	151	25HOSE, 5/16" OD
176	AG-0010786	2	ELBOW, SHEET
174	CL-0010786-07	1	TEE, STRAIGHT
172	S-0001814	4	PLUG, PIPE 1/4" IB
171	MF-0011499	7	STRIP, NYLATRON WEAR
170	MS-0104020	5	SCREW, SOC HD M10 X 30 MM
169	WA-0009191	6	WASHER
168	NC-0010884-01	.03	LOC TITE, 222
167	SG-0496016	1	SCREW, SO SHOULDER MSX12MM
166	CP-0001041 B	2	NUT, 5/16" BT
165	MN-0193510	6	WASHER, LOCK MS
164	MN-0103510	8	WASHER, FLAT MS
163	MS-0183617	9	SCREW, SOC HD MS X 16 MM
161	CS-0008612	2	SHIM, BRAKE
160	CS-0002533-G	2	SHIM, BRAKE
159	MS-0103823	2	SCREW, SOC HD M8 X 45 MM
157	MS-0154019	8	SCREW, HEX HD M10 X 25 MM
156	AD-0011338-04	1	ELBOW, 90°
155	TL-0008661	2	WASHER
154	SG-0011198-18	1	SEAL, CHIP PROTECTOR
153	MS-0104019	20	SCREW, SOC HD M10 X 25 MM
152	MN-0194010	35	WASHER, LOCK M10
150	MS-0103819	4	SCREW, SOC HD M8 X 25 MM
149	TL-0006708	1	PIN, DOWEL
148	NC-0010884	1	LOC TITE, 242
147	MS-0104023	2	SCREW, SOC HD M10 X 45 MM
146	MN-0186010	4	WASHER, LOCK M20
145	MS-0165029	4	SCREW, HEX HD M20 X 75 MM
144	CS-0010294	.4	GREASE
143	LT-0108846-5	.3	SEALANT, PIPE
142	MS-0553815	3	SCREW, SET MS
139	SP-0002843---B	1	NUT, COMPRESSION
138	DB-0009207-V	1	WASHER
136	HG-0003048-9U	1	GROMMET (LARGE)
130	SB-0010884-5	9.999	HYDRAULIC SEALANT
129	MS-0303624	2	SCREW, BUTT HD X 25mm
128	MN-0283610	9	MG NUT, FLANGE
127	MS-0104219	3	SCREW, SOC HD M12 X 25 MM

ITEM	PART NUMBER	QTY	DESCRIPTION
126	MS-0103818	2	MS SCREW, SHCS X 20mm
125	CS-0011259-16	1	FITTING, HOSE-MALE 3/8 BS
124	GE-0010884	6	ADHESIVE, SEALANT
123	MS-0303616	15	SCREW, BUT HD M6 X 12 MM
122	MN-0113810	2	NUT, HEX MS
121	CL-0009879-01	1	DOWEL, PULL OUT
120	MN-0105010-H	36	WASHER, FLAT M20 (HARDENE
119	MS-0105030	4	SCREW, SOC HD M20 X 80MM
118	MN-0145010	2	NUT, HEX M20 (LOW 7 MM)
117	MS-0103615	8	SCREW, SOC HA M6 X 10 MM
116	MN-0194210	10	WASHER, LOCK M12
115	CL-0002840-01	10	WASHER, FLAT 7/16
114	MS-0104221	7	SCREW, SOC HD M12 X 35 MM
113	MS-0303514	8	SCREW, BUT HD MS X 8 MM
111	MS-0303618	1	SCREW, BUT HD M6 X 20 MM
110	S-0001893	4	GROMMET
109	3-0010884-01	.4	3M NEATLRSTRIP ADHESIVE
108	MN-0103810	6	WASHER, FLAT MS
107	MN-0193810	14	WASHER, LOCK MS
106	MS-0103820	2	SCREW, SOC HD M8 X 30 MM
105	MN-0104010	8	WASHER, FLAT M10
104	MN-0184010	12	WASHER, LOCK M10
103	MS-0104018	12	SCREW, SOC HD M10 X 20 MM
102	MN-0193610	58	WASHER, FLAT MS
101	MN-0193610	70	WASHER, LOCK, MS
100	MS-0103616	24	SCREW, SOC HA M6 X 12 MM
99	MS-0150355	4	SCREW, HEX HD M20X130MM
98	AO-0007710	1	NIPPLE, HEX
97	MS-0303515	5	SCREW, BUT HD MS X 10 MM
96	MN-0263510	15	WASHER, STAR MS
94	CS-0010331-03	5	DOT PLUG
93	MS-0103817	10	SCREW, SOC HD M8 X 16MM
88	CL-0010389-02	1	SLEEVE, CLAMPING
87	CS-0002533-G	2	SLEEVE, CLAMPING
86	SG-0003346-10	1	BELT, 85 HI TORQUE
85	SG-0003177-22	1	PULLEY, 85 HI TORQUE
84	SG-0003346-08	1	BELT, 85 STANDARD
83	SG-0003177-21	1	PULLEY, 85 HI SPEED
82	CS-0010116-28	1	GASKET, FRONT SKIRT
81	CSA-0010115-87	1	COVER, FRONT SKIRT
80	SG-0010115-91	1	COVER, HOLE
79	SG-0004990-55	1	PLATE, HOLE COVER
78	CS-0007876-01	1	COVER, HOLE
77	KL-0007876-A	1	GASKET, HOLE COVER
76	KL-0007876	1	COVER, HOLE
75	SG-0001980-89	1	BRACKET, COOLANT VALVE
74	SG-0002533-88	1	COOLANT CATHETER
73	SG-0002533-84	1	COOLANT CATHETER
72	SG-0004990-31	1	BRACKET, COOLANT CATHETER
71	SGA-0004990-20	1	SUPPORT, DRIP EDGE
70	SGA-0004990-21	1	CLAMP
69	SG-0010115-89	1	COVER, SIDE
68	KN-0003048-04	1	VALVE, 3 WAY LOCK 1/4
67	CSA-0011623-02	1	GORE TUBE
66	SG-0011623-01	1	GORE TUBE
65	HG-0010541	1	BUMPER
64	SG-0010462	1	DISC, SPINDLE BRAKE

ITEM	PART NUMBER	QTY	DESCRIPTION
63	SG-0010116-33	1	GASKET, WIREWAY
62	SG-0000221-HW	2	WIREWAY ASSY. COOL. GUARD
61	SGB-0000221-16	1	SKIRT ASSY. COOLANT GUARD
60	CS-0002990-46	1	RETAINER, DRIP STRIP
59	CSB-0001976	1	STRIP, DRIP
58	SG-0010115-54	1	COVER, CONNECTOR REAR
57	SG-0006418-1L	1	LABYRINTH LOWER
56	SG-0010116-40	1	GASKET
55	SG-0006418-WA	1	LABYRINTH, EXT. REAR Z
54	CL-0012034-01	2	BUSHING
53	CLB-0002990-53	1	FAN HOUSE
52	HG-0010115-20	1	COVER, TERMINAL STRIP
51	CS-0010565	1	END PLATE & SEAL ASSY
50	SGA-0010779-A	1	REGULATOR-FILTER ASSEMBLY
49	CS-0001799	2	SPACER, BEARING
48	CLB-0001990-41	1	PLATE, MOUNTING
47	CN-0010481-01	2	SPACER
46	SGA-0002990-32	1	TANK, TRAMP OIL
45	SG-0010115-68	1	COVER, SIDE HYDRAULIC
44	SG-0020115-18	1	COVER, HYDRAULIC ASSY
43	SGA-0010445-A	1	FRAME, WELD ASSY.
42	SG-0010190	1	STANDOFF, COLLET CLOSER
41	SG-0011056-1M	1	LINK, VIBRATION ISOLATOR
40	CL-0011779	1	MOUNT, RUBBER
39	SG-0010560	1	BRACKET, COLLET CLOSER
38	SG-0010116-41	2	GASKET
37	CSB-0010462-A	1	BRAKE, SPINDLE
36	SG-0010462-01	1	SUPPORT, BRAKE
35	SG-0004158-02	5	BRACKET, POWER CASE
33	SG-0001990-16	2	FRAME, FORKLIFT SLOT ASSY
32	SG-0001991-04	1	PLATE, MOTOR ADJ. 85
31	CS-0001991-04	1	PLATE, MOTOR ADJ. 65
30	CS-0003914	1	SCREW, ADJUSTING
29	SG-0003914	1	SCREW, ADJUSTING 65
28	CS-0011320	1	BLOCK, PLATE ADJUSTING
27	CS-0010000	2	SCREW, GUIDE-MOTORPLATE
26	CS-0010000-01	1	SCREW, ADJUSTING
25	CS-0011320-01	1	BLOCK, ADJ MOTOR-PLATE
24	SG-0001991	1	MOUNT, MOTOR
23	SG-0003346	1	BELT, 65 HIGH TO
22	CS-0003177-12	1	PULLEY, MOTOR 3000 RPM
21	SG-0003346-06	1	BELT, 65 ST.
20	CS-0003177-13	1	PULLEY, MOTOR 5000 RPM
14	SG-0001990-FL	1	FORKLIFT SLOT
13	CS-0003990-69	1	RETAINER
12	SGA-0009976-01	1	DEFLECTOR, VITON
11	CL		

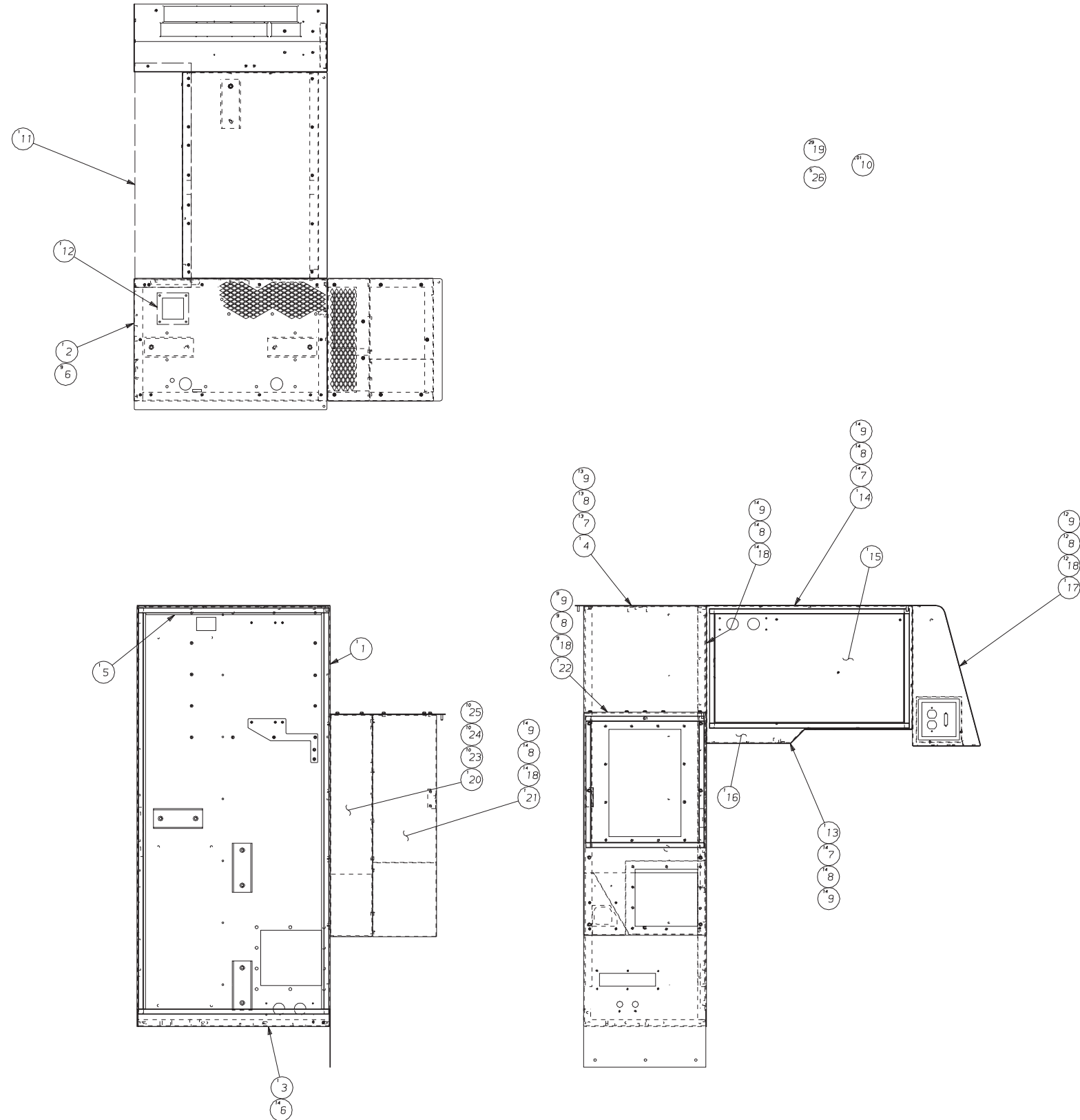




20	SG-0010805-02	5	TAPE, .430" EMI FOIL
19	SG-0010805	23	TAPE, 3/4" EMI FOIL
18	MS-0303616	26	SCREW
17	SG-0000221-EMCH	1	CONTROL WELD ASSEMBLY
16	SG-0004158-EM23	1	PANEL, FRONT (I/O CASE)
15	SG-0004158-EM30	1	PANEL, BACK (I/O CASE)
14	SG-0004158-EM21	1	PANEL, TOP (I/O CASE)
13	SG-0004158-EM20	1	PANEL, BOTTOM (I/O CASE)
12	HG-0004158-11	1	PLATE, POWER SUPPLY
11	SG-0020115-65	1	COVER, SPINDLE MTR. COMP.
10	GE-0010884	.01	GE SILICONE
9	MW-0103610	69	WASHER
8	MW-0183610	67	LOCKWASHER
7	MS-0303617	41	SCREW
6	MN-0283610	23	NUT, M6 FLANGE
5	SG-0004158-EM04	1	SUPPORT, POWERCASE TOP
4	SGA-0004158-EMTP	1	PANEL, POWERCASE TOP
3	SG-0004158-EM29	1	SUPPORT, POWERCASE BOTTOM
2	SG-0004158-EM05	1	PANEL, POWERCASE SIDE
1	SG-0004158-EM03	1	PANEL, P. C. BACK & SIDE
ITEM	PART NUMBER	QTY	DESCRIPTION

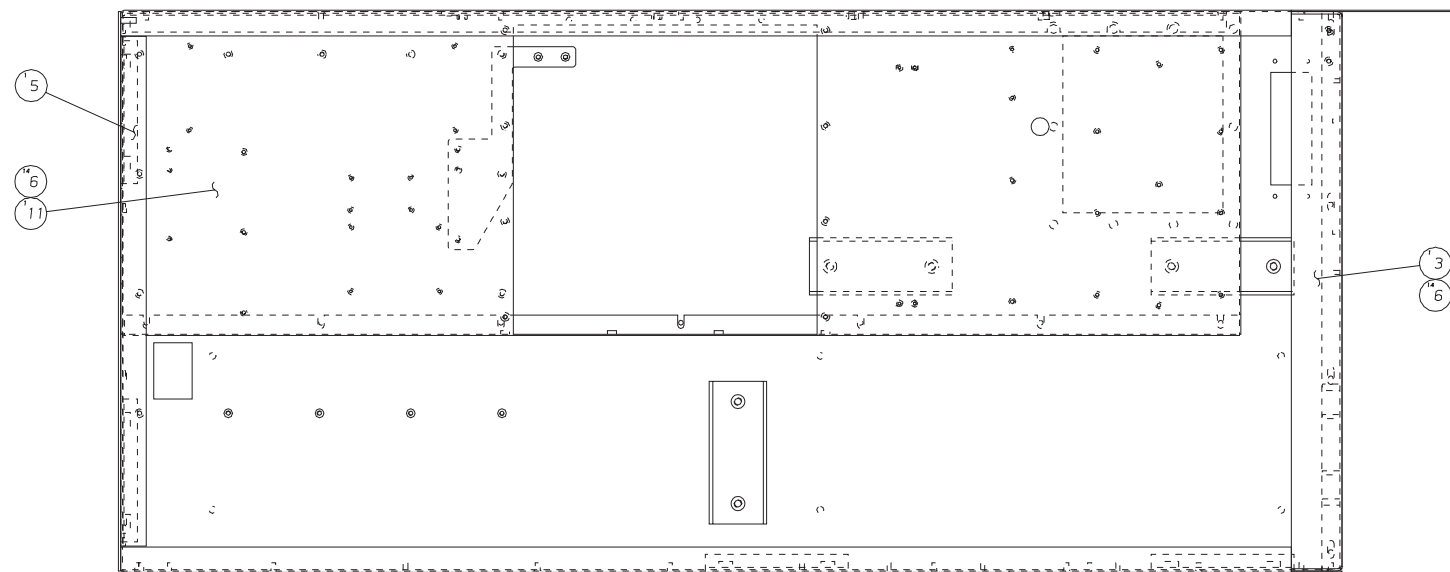
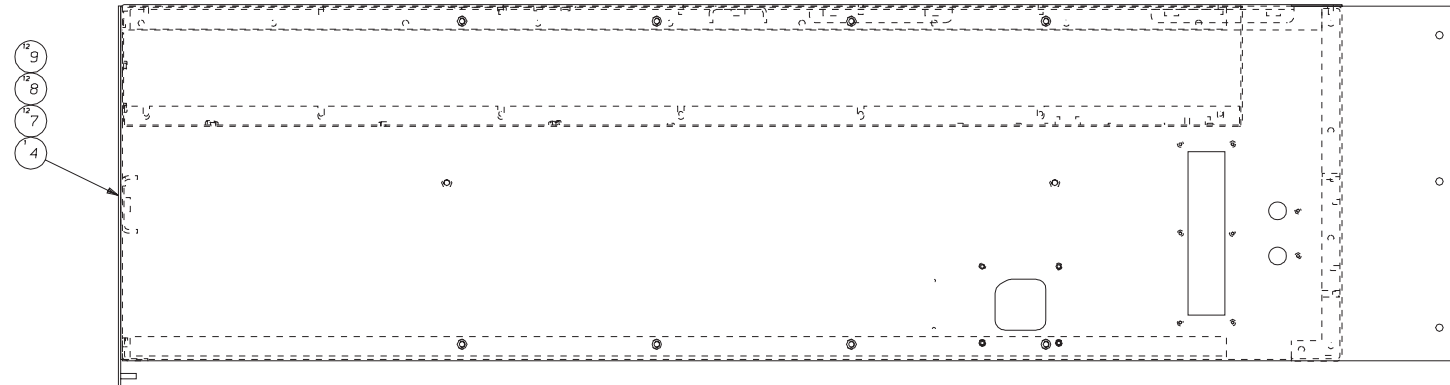
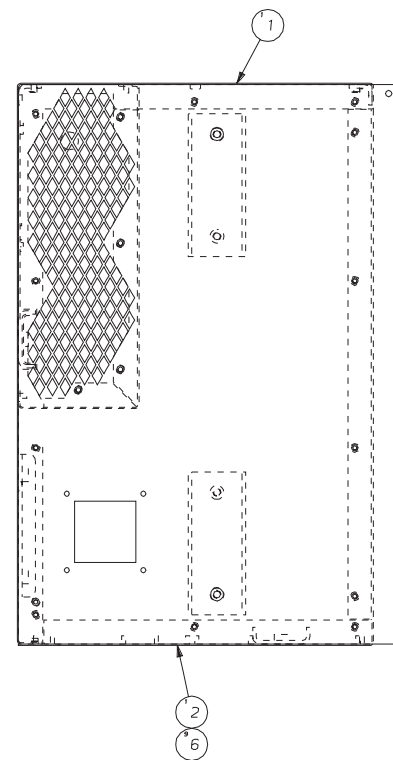
NAME: POWERCASE, I/O CASE, & PART NUMBER: SGA-0004158-EMC REV. LEVEL: C  
 SHEET: 1 of 1

Power Case Enclosure with Option Case, CE-Mark



ITEM	PART NUMBER	QTY	DESCRIPTION
26	SG-0010805-02	5	TAPE, .430" EMI FOIL
25	MW-0193810	10	LOCKWASHER, M8
24	MW-0103810	10	WASHER, M8
23	MS-0103818	10	SCREW, M8-1.25x20mmLg
22	SG-0004990-EM75	1	TOP, OPTIONCASE
21	SG-0004990-EM76	1	OPTIONCASE FRONT & SIDES
20	SG-0004158-EMP1	1	PLENUM, OPTIONCASE
19	SG-0010805	29	TAPE, 3/4" EMI FOIL
18	MS-0303616	49	SCREW
17	SG-0000221-EMCH	1	CONTROL WELD ASSEMBLY
16	SG-0004158-EM23	1	PANEL, FRONT (I/O CASE)
15	SG-0004158-EM30	1	PANEL, BACK (I/O CASE)
14	SG-0004158-EM21	1	PANEL, TOP (I/O CASE)
13	SG-0004158-EM20	1	PANEL, BOTTOM (I/O CASE)
12	HG-0004158-11	1	PLATE, POWER SUPPLY
11	SG-0020115-65	1	COVER, SPINDLE MTR. COMP.
10	GE-0010884	.01	GE SILICONE
9	MW-0103610	90	WASHER
8	MW-0183610	90	LOCKWASHER
7	MS-0303617	41	SCREW
6	MN-0283610	23	NUT, M6 FLANGE
5	SG-0004158-EM04	1	SUPPORT, POWERCASE TOP
4	SGA-0004158-EMTP	1	PANEL, POWERCASE TOP
3	SG-0004158-EM29	1	SUPPORT, POWERCASE BOTTOM
2	SG-0004158-EM05	1	PANEL, POWERCASE SIDE
1	SG-0004158-EM03	1	PANEL, P. C. BACK & SIDE

NAME POWERCASE, I/O CASE, PART NUMBER SGA-0004158-EMCO REV. LEVEL C  
SHEET 1 of 1



ITEMS NOT SHOWN ON DRAWING

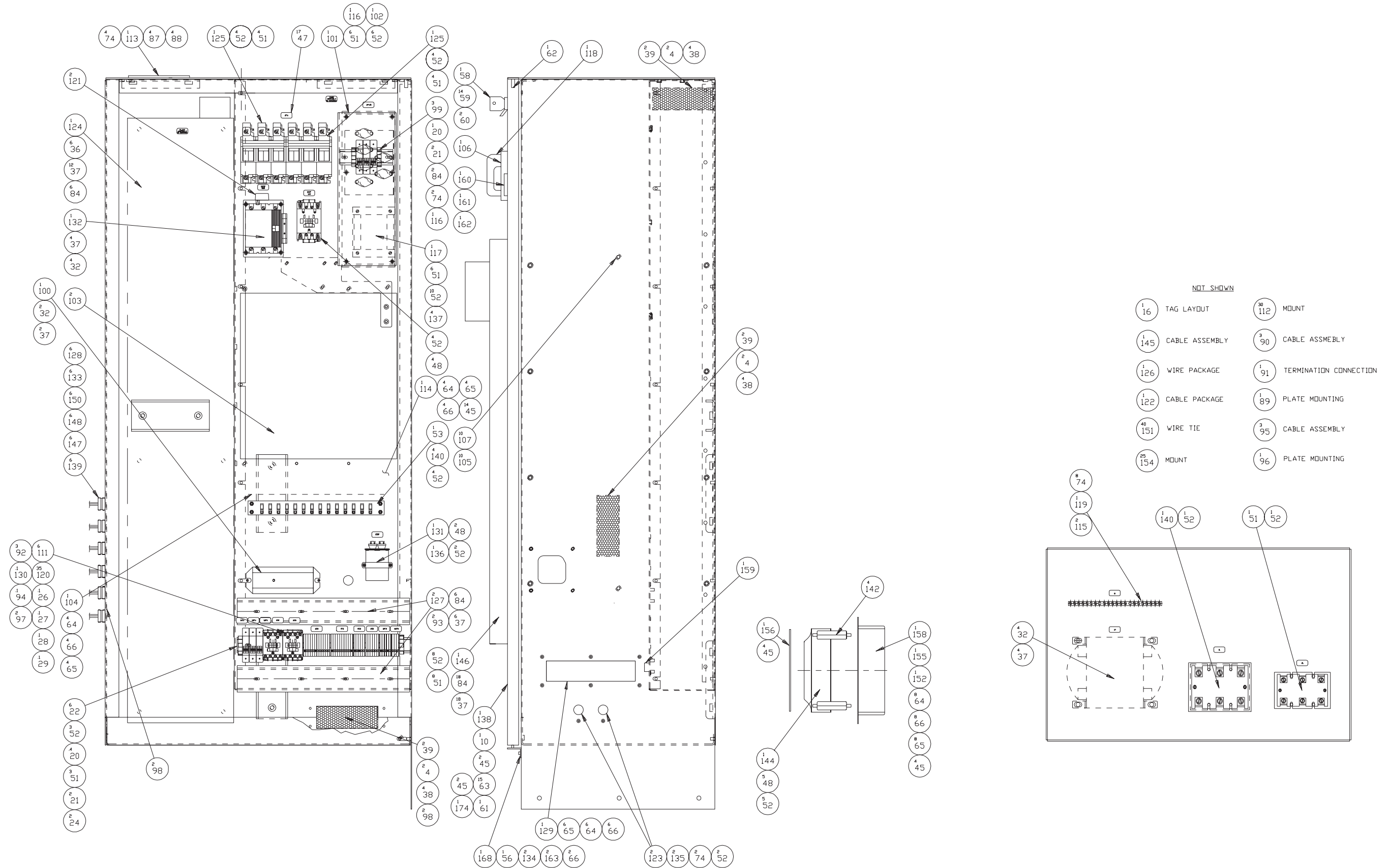
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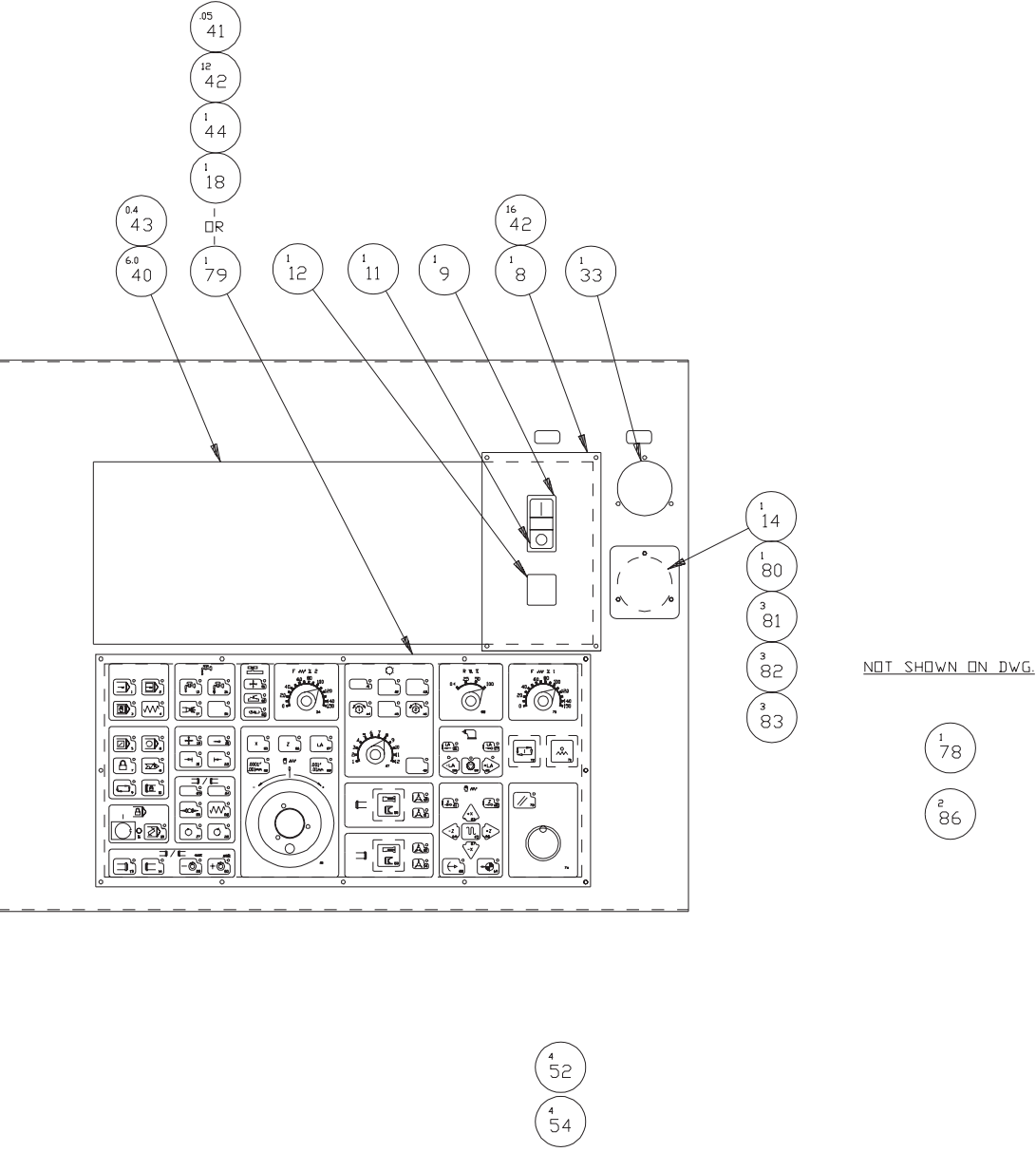
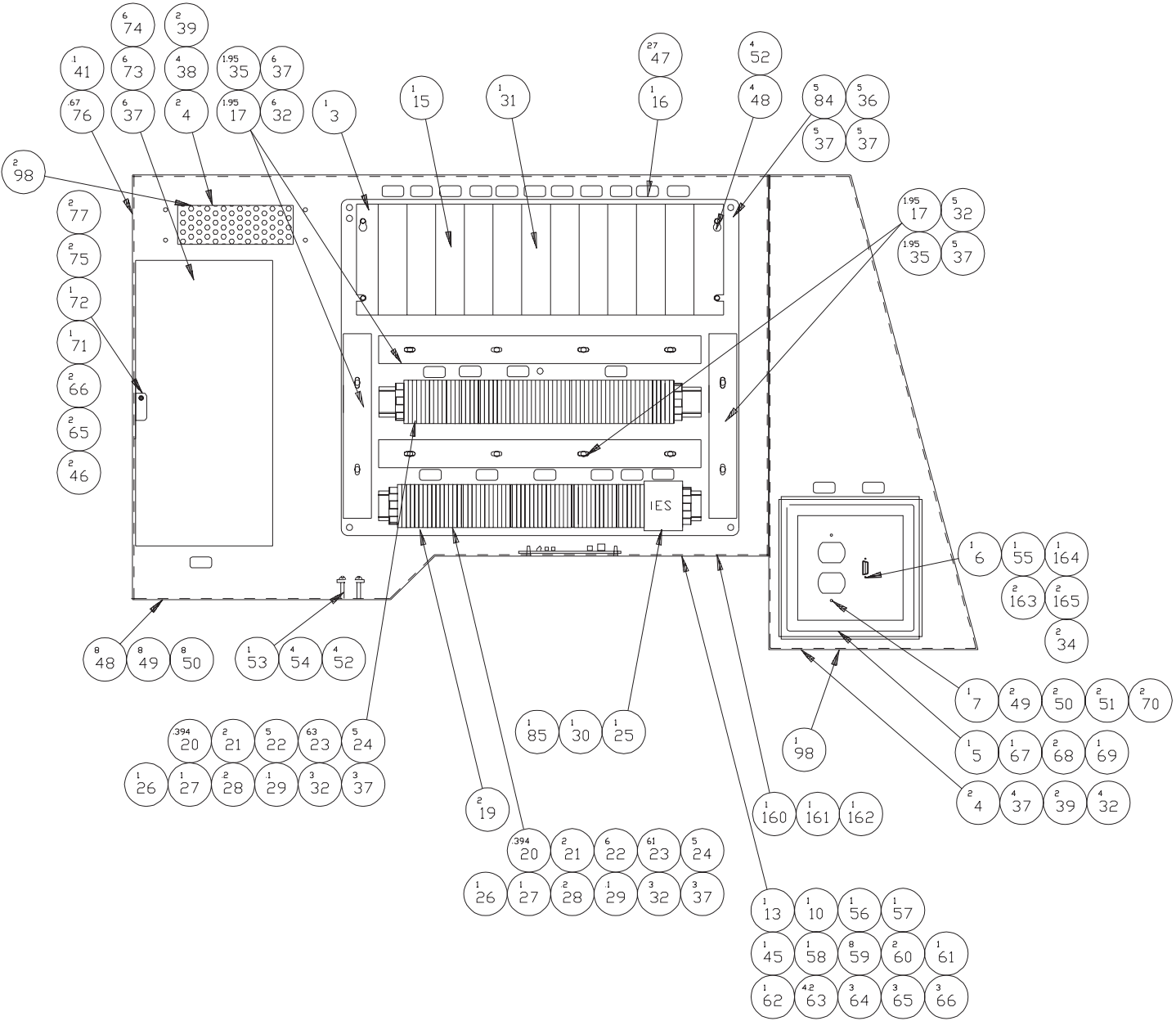
13

13	HG-0004158-11	1	PLATE, POWER SUPPLY
12	SG-0020115-65	1	COVER, SPINDLE MTR. COMP.
11	SG-0004158-28LB	1	PLENUM, POWERCASE
10	GE-0010884	0	GE SILICONE
9	MW-0103610	12	WASHER
8	MW-0183610	12	LOCKWASHER
7	MS-0303617	12	SCREW
6	MN-0283610	37	NUT, M6 FLANGE
5	SG-0004158-04	1	SUPPORT, POWERCASE TOP
4	SG-0004158-TP	1	PANEL, POWERCASE TOP
3	SG-0004158-29	1	SUPPORT, POWERCASE BOTTOM
2	SG-0004158-05	1	PANEL, POWERCASE SIDE
1	SG-0004158-03	1	PANEL, P.C. BACK & SIDE
ITEM	PART NUMBER	QTY	DESCRIPTION

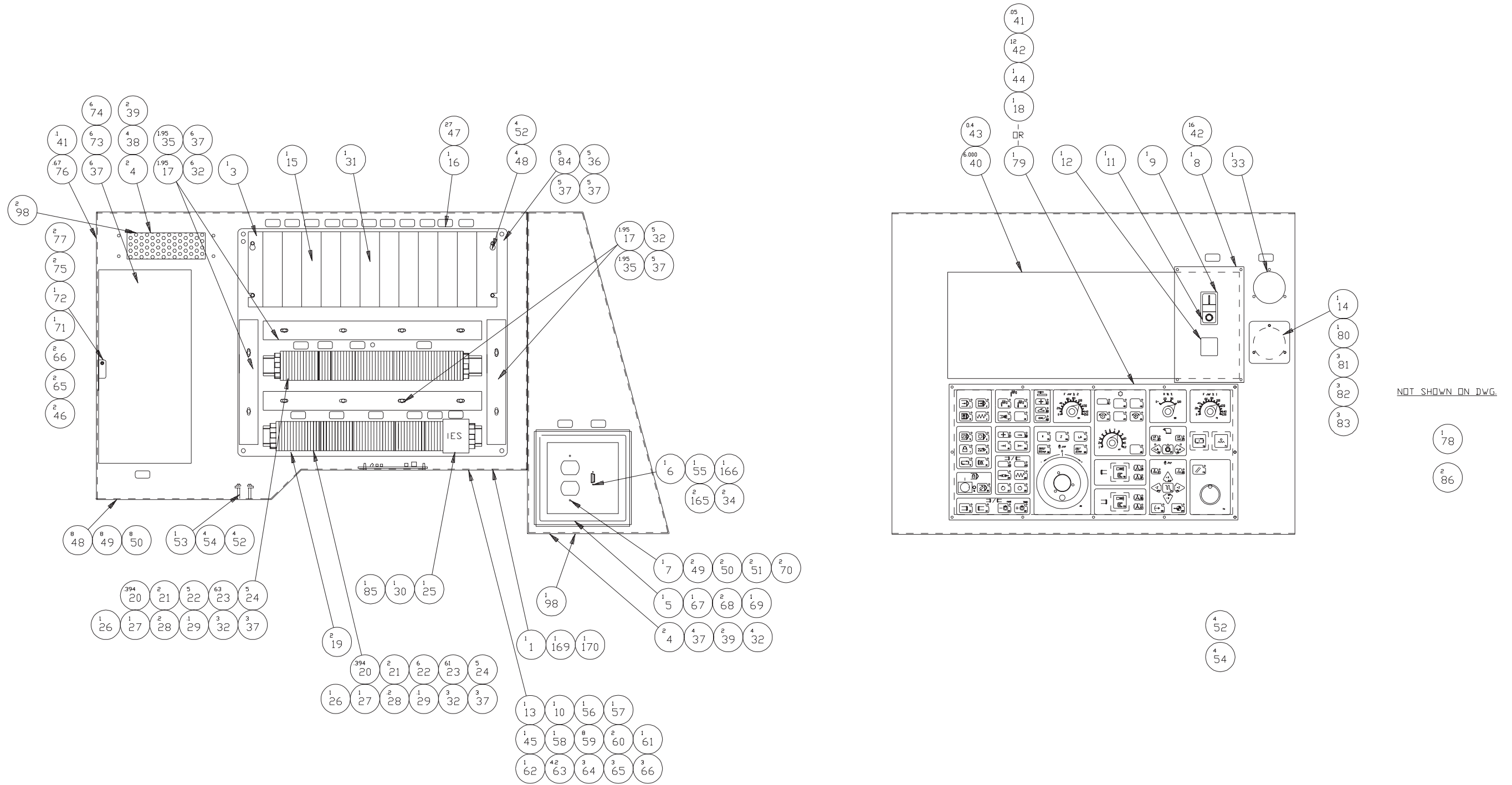
NAME: POWERCASE ENCLOSURE ASSEMBLY  
 PART NUMBER: SG-0004158-PCLB  
 SHEET: 1 of 1  
 REV. LEVEL: B

# Power Case Component Assembly with Option Case, CE-Mark





# Power Case Component Assembly with Option Case, CE-Mark



Power Case Component Assembly with Option Case, CE-Mark

ITEM	PART NUMBER	QUANTITY	DESCRIPTION	ASSEMBLY	LINK	DWG.SZ.
1	VL 000962302	1.0000	CLAMP, 125' CABLE	SEE ASSY NO.	MA	N
3	SG 000499082	1.0000	PANEL, I/O CASE COMP. MTG	SEE ASSY NO.	MA	D
4	HG 0011350	10.0000	FILTER, FOAM	SEE ASSY NO.	MA	A
5	HG 000378004	1.0000	COVER, RS232	SEE ASSY NO.	MA	A
6	SG 0012042	1.0000	RECEPTACLE HOUSING FOR HIROS	SEE ASSY NO.	MA	N
7	HG 001204201	1.0000	RECEPTACLE, 115VAC, 3 WIRE	SEE ASSY NO.	MA	A
8	CL 000415841	1.0000	PANEL, ON-OFF	SEE ASSY NO.	MA	B
9	MC 0010019	1.0000	BLOCK, CONTACT IND-INC FIRST	SEE ASSY NO.	MA	B
10	SGA000415809	3.0000	PLATE, DOOR HINGE (BOTTOM)	SEE ASSY NO.	MA	A
11	MC 001022405	1.0000	SWITCH, OPERATOR ON/OFF	SEE ASSY NO.	MA	N
12	MC 000787601	1.0000	PLUG, SQUARE - SMALL HOLE	SEE ASSY NO.	MA	N
13	SG 0003780EMID	1.0000	DOOR, I/O CASE - EMC	SEE ASSY NO.	MA	D
14	SG 0010116	1.0000	GASKET, LOAD METER COVER	SEE ASSY NO.	MA	B
15	18 001179102	1.0000	INPUT MODULE I/O SYSTEM	SEE ASSY NO.	MA	A
16	LD 0002854	3.0000	TAG LAYOUT - CEMARK	SEE ASSY NO.	ME	A
17	JA 0010821	3.9000	PANDUIT	SEE ASSY NO.	MA	N
18	SG 0011844 E	1.0000	MTB PANEL - CEMARK	SEE ASSY NO.	ME	D
19	GN 001047201	2.0000	RESISTOR	SEE ASSY NO.	MA	N
20	CK 9011032	2.3480	RAIL, DIN BLANK	SEE ASSY NO.	MA	N
21	HG 001103204	10.0000	END STOP	SEE ASSY NO.	MA	A
22	HG 001103203	21.0000	END PLATE	SEE ASSY NO.	MA	A
23	HG 001103201	124.0000	TERMINAL BLOCK,BLUE	SEE ASSY NO.	MA	A
24	HG 001103205	13.0000	JUMPER, 10 POLE	SEE ASSY NO.	MA	A
25	VF 0011298	1.0000	DIODE, SUPPRESSOR	SEE ASSY NO.	MA	N
26	HG 0009175	2.2000	MARKER, STRIP 1-10	SEE ASSY NO.	MA	N
27	HG 000917501	2.1000	MARKER, STRIP 11-20	SEE ASSY NO.	MA	N
28	HG 000917502	0.5000	MARKER, STRIP 21-30	SEE ASSY NO.	MA	N
29	HG 000917503	0.3000	MARKER STRIP 31-40	SEE ASSY NO.	MA	N
30	CN 000812213	1.0000	RELAY, 24VDC 4 NO CONTACTS	SEE ASSY NO.	MA	N
31	18 0011791CE	1.0000	MODULE,DC OUTPUT,8 POINT-CEM	SEE ASSY NO.	MA	A
32	MS 0303514	31.0000	SCREW, BT. HD. M5 X .8 X 8MM	SEE ASSY NO.	MA	N
33	SG 0011857CE S	1.0000	METER, SPIN. LOAD - CEMARK	SEE ASSY NO.	MA	N
34	0170006	2.0000	SCREW, 4-40 X 3/8" SSBINDING HEAD	SEE ASSY NO.	MA	N
35	JA 001082101	3.9000	COVER	SEE ASSY NO.	MA	N
36	HG 0010190	11.0000	STANDOFF	SEE ASSY NO.	MA	N
37	MW 0263510	83.0000	WASHER, M5 STEEL	SEE ASSY NO.	MA	N
38	MN 0283510	16.0000	NUT, HEX SERRATED FLANGE	SEE ASSY NO.	MA	N
39	HG 000415813	10.0000	BRACKET, FOAM	SEE ASSY NO.	MA	C
40	SG 001011603	6.0000	GASKET	SEE ASSY NO.	MA	N
41	3 001088401	0.2500	ADHESIVE	SEE ASSY NO.	MA	N
42	MS 0303315	28.0000	SCREW, BUTTON HD. M3X.5X10MM	SEE ASSY NO.	MA	N
43	SGA0010884 C	0.4000	ADHESIVE, CONDUCTIVE	SEE ASSY NO.	MA	N
44	SG 0010116MP	1.0000	GASKET, MEMBRANE PANEL	SEE ASSY NO.	MA	D
45	MN 0283610	37.0000	NUT, HEX SERRATED FLANGE	SEE ASSY NO.	MA	N
46	MS 0303615	4.0000	SCREW, BT. HD. M6X1.0X 10MM	SEE ASSY NO.	MA	N
47	F3 000997701	49.0000	LABEL, ID	SEE ASSY NO.	MA	N
48	MS 0303415	30.0000	SCREW, BT. HD. M4X.7,X 10MM	SEE ASSY NO.	MA	N
49	MW 0103410	10.0000	WASHER, FLAT M4 X .7 STEEL	SEE ASSY NO.	MA	N
50	MW 0183410	10.0000	WASHER, LOCK M4 STEEL	SEE ASSY NO.	MA	N
51	MS 0303416	34.0000	SCREW, BT. HD. M4X.7,X 12MM	SEE ASSY NO.	MA	N
52	MW 0263410	77.0000	WASHER, EXT. STAR M4	SEE ASSY NO.	MA	N
53	SG 001082104	2.0000	SUPPORT, CABLE BAR	SEE ASSY NO.	MA	B
54	MS 0303417	8.0000	SCREW, BT. HD. M4X.7,X 16MM	SEE ASSY NO.	MA	N

ITEM	PART NUMBER	QUANTITY	DESCRIPTION	ASSEMBLY	LINK	DWG.SZ.
55	CN 0012042 B	1.0000	BLOCKS, LATCHING	SEE ASSY NO.	MA	N
56	SG 000415811	3.0000	SPACER, NYLON (P.C. DOOR)	SEE ASSY NO.	MA	A
57	SG 0004158EM25	1.0000	PLATE,DOOR HINGE	SEE ASSY NO.	MA	B
58	HG 0012029	2.0000	KEY	SEE ASSY NO.	MA	N
59	VL 0011738	28.0000	LATCH, DOOR, VISE ACTION	SEE ASSY NO.	MA	A
60	HG 0011738	6.0000	DOOR PULL	SEE ASSY NO.	MA	N
61	SG 000415808	3.0000	PLATE, DOOR HINGE (TOP)	SEE ASSY NO.	MA	A
62	SG 000179912	3.0000	SPACER, PC & I/O CASE DOOR	SEE ASSY NO.	MA	N
63	SG 001011602	22.8000	GASKET, EMI/RFI	SEE ASSY NO.	MA	N
64	MS 0303617	36.0000	SCREW, BT. HD. M6X1.0 X 16MM	SEE ASSY NO.	MA	N
65	MW 0183610	40.0000	M6 REG. LOCKWASHER	SEE ASSY NO.	MA	N
66	MW 0103610	42.0000	WASHER, FLAT M6 STEEL	SEE ASSY NO.	MA	N
67	CN 0011062	1.0000	KNOB	SEE ASSY NO.	MA	N
68	CC 0011947	2.0000	STRIP, MAGNETIC	SEE ASSY NO.	MA	N
69	0300204	1.0000	SCREW BT HD 8-32 X 1/4	SEE ASSY NO.	MA	N
70	MN 0113410	2.0000	NUT, HEXAGON, 934 PLATED	SEE ASSY NO.	MA	N
71	CL 000415832	2.0000	BRACKET, SWITCH,OTC & I/O CA	SEE ASSY NO.	MA	B
72	CL 001022407	2.0000	SWITCH, INTERLOCK	SEE ASSY NO.	MA	N
73	MS 0303516	6.0000	SCREW,BUT.HD.M5X.8X12MM	SEE ASSY NO.	MA	N
74	MW 0103510	22.0000	WASHER, FLAT M5 X .8 STEEL	SEE ASSY NO.	MA	N
75	6 0008137	4.0000	WASHER, LOCK	SEE ASSY NO.	MA	N
76	SB 001056504	1.6700	U CHANNEL	SEE ASSY NO.	MA	N
77	0300103	4.0000	SCREW BT HD 6-32 X 3/16	SEE ASSY NO.	MA	N
78	SG 0003279WPID	1.0000	WIRE PACKAGE-I/O CASE-CEMARK	SEE ASSY NO.	MA	N
79	SG 0011844RT E	1.0000	MTB PANEL ASSY - CEMARK	SEE ASSY NO.	ME	D
80	SG 001011542	1.0000	COVER, LOAD METER	SEE ASSY NO.	MA	B
81	MW 0193310	3.0000	WASHER, LOCK DIN-7980 M3X.5	SEE ASSY NO.	MA	N
82	MW 0103310	3.0000	WASHER, FLAT REGULAR M3X.5	SEE ASSY NO.	MA	N
83	MN 0113310	3.0000	NUT, M3 X .5	SEE ASSY NO.	MA	N
84	MS 0303515	39.0000	SCREW, BT. HD. M5X.8,X 10MM	SEE ASSY NO.	MA	N
85	VF 001036101	1.0000	ADDER DECK	SEE ASSY NO.	MA	N
86	DV 010546	2.0000	NUT, 10-32 BRASS HEX	SEE ASSY NO.	MA	N
87	MW 0183510	4.0000	WASHER, LOCK REG. M5 X .8 SC	SEE ASSY NO.	MA	N
88	MS 0303517	4.0000	SCREW, BUTTON HD. M5X.8X16MM	SEE ASSY NO.	MA	N
89	SGA000190402	1.0000	PLATE, PSM-15 & DRV MTG(CEMA)	SEE ASSY NO.	ME	D
90	SG 0003011JX 1	3.0000	CABLE ASSEMBLY JX1A-JX1B	SEE ASSY NO.	ME	B
91	SG 0012042TCA	1.0000	TERMINATING CONNECTING ASSY.	SEE ASSY NO.	ME	B
92	SG 001001702	3.0000	HOLDER, FUSE 1P/W IND.CC FUS	SEE ASSY NO.	MA	N
93	HG 001082108	2.0000	COVER, FOR DUCT (HG 10821)	SEE ASSY NO.	MA	N
94	VL 0009175	0.1000	STRIP, MARKER 51-60	SEE ASSY NO.	MA	N
95	SG 0003011CX2	3.0000	CABLE ASSY - CX2A-CX2B	SEE ASSY NO.	ME	B
96	SGA000190401	1.0000	PLATE, DRIVE MOUNTING(CE-MAR	SEE ASSY NO.	ME	D
97	CKA001036101	2.0000	CONTACTOR, NON-REVERSING	SEE ASSY NO.	MA	N
98	SB 000953201	7.0000	GROMMET, 5/32ID , 1/16" GAP	SEE ASSY NO.	MA	N
99	SG 001001703	3.0000	HOLDER, FUSE 1P/W/O IND.CC F	SEE ASSY NO.	MA	N
100	CL 000239 01	1.0000	BALLAST	SEE ASSY NO.	MA	N
101	SG 001011544	1.0000	COVER, POWER SUPPLY - CEMARK	SEE ASSY NO.	MA	D
102	CN 000953203	1.0000	GROMMET,	SEE ASSY NO.	MA	N
103	HG 0010546	4.0000	NUT, 1/4-20 BRASS HEX	SEE ASSY NO.	MA	N
104	SG 000399009	1.0000	SPACER, SHIELD BAR (CEMARK)	SEE ASSY NO.	MA	D
105	MS 0303817	10.0000	SCREW	SEE ASSY NO.	MA	N
106	CL 0010646	1.0000	METER,RUN TIME	SEE ASSY NO.	MA	N
107	MW 0103810 H	10.0000	WASHER, FLAT M8 X 1.25 STEEL	SEE ASSY NO.	MA	N
108	SG 00112980402	2.0000	FERRITE CORE, .402"	SEE ASSY NO.	MA	N

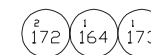


# Power Case Component Assembly with Option Case, CE-Mark

ITEM	PART NUMBER	QUANTITY	DESCRIPTION	ASSEMBLY	LINK	DWG.SZ.
109	SG 0010473	30.0000	TUBING, 3/8" TINNED	SEE ASSY NO.	MA	N
110	SG 0003780EMDC	1.0000	DOOR, OPTION CASE - EMC	SEE ASSY NO.	MA	D
111	HG 001103202	9.0000	TERMINAL BLOCK, GREEN/YELLOW	SEE ASSY NO.	MA	A
112	CC 0008104	30.0000	MOUNT, TY RAP (ADHESIVE)	SEE ASSY NO.	MA	N
113	HG 000415811	1.0000	PLATE, POWER SUPPLY	SEE ASSY NO.	MA	B
114	SG 000415828LB	1.0000	PLENUM, SG PWRCASE (CE-MARK)	SEE ASSY NO.	MA	D
115	MN 0113510	2.0000	NUT, HEX	SEE ASSY NO.	MA	N
116	CN 0009532	2.0000	GR0MMET	SEE ASSY NO.	MA	N
117	1B 0008776PS	1.0000	POWER SUPPLY, 24VDC, 7.2 AMP	SEE ASSY NO.	MA	N
118	SG 0010359 H	1.0000	HANDLE, DISCONNECT OPERATING	SEE ASSY NO.	MA	N
119	SB 0011888	1.0000	KIT, GROUND BAR	SEE ASSY NO.	MA	N
120	HG 0011032	41.0000	TERMINAL BLOCK, GRAY	SEE ASSY NO.	MA	A
121	VF 001129801	2.0000	FILTER	SEE ASSY NO.	MA	N
122	SG 000301196C	1.0000	CABLE PACKAGE, PWR CASE-CE96	SEE ASSY NO.	MA	N
123	CK 001033101	2.0000	CAP PLUG 7/8	SEE ASSY NO.	MA	N
124	SGB0004158CE A	1.0000	PLATE, PWRCASE ASSY.-CEMARK	SEE ASSY NO.	MA	D
125	SG 001001704	3.0000	HOLDER, FUSE 3P 125A	SEE ASSY NO.	ME	N
126	SG 0003279WPC	1.0000	WIRE PACKAGE PWR CASE - CEMA	SEE ASSY NO.	MA	N
127	HG 0010821	2.0000	DUCT	SEE ASSY NO.	MA	N
128	DB 00092079A	6.0000	BODY CONNECTOR	SEE ASSY NO.	MA	N
129	HG 001011552	1.0000	COVER, LOWER (POWER CASE)	SEE ASSY NO.	MA	D
130	SG 0009175	0.1000	STRIP, MARKER 41-50	SEE ASSY NO.	MA	N
131	CL 0010471	2.0000	CAPACITOR, HEADSTK COOL FAN	SEE ASSY NO.	MA	N
132	1B 001001601	1.0000	CONTACTOR, 75A	SEE ASSY NO.	MA	N
133	DB 00092079B	6.0000	NUT CONNECTOR COMPRESS	SEE ASSY NO.	MA	N
134	MS 0103618	2.0000	SCREW, SOC.HD.CAP M6X1.0X20MM	SEE ASSY NO.	MA	N
135	MS 0303414	2.0000	BUTTON HEAD SCREW	SEE ASSY NO.	MA	N
136	CL 0010471 B	2.0000	BRACKET, CAPACITOR	SEE ASSY NO.	MA	N
137	SG 001019001	4.0000	STANDOFF	SEE ASSY NO.	MA	A
138	SGA0003780EMPC	1.0000	DOOR, POWERCASE - EMC	SEE ASSY NO.	MA	D
139	50 0010226	6.0000	GASKET ASSEMBLY 1/2 INCH	SEE ASSY NO.	MA	N
140	MS 0303410	9.0000	SCREW, BT. HD. M4X.7X 3MM	SEE ASSY NO.	MA	N
141	SG 001082104	1.0000	SUPPORT, CABLE BAR	SEE ASSY NO.	MA	B
142	SG 001019002	8.0000	STANDOFF, PLENUM SUPPORT	SEE ASSY NO.	MA	A
144	CL 001185003	2.0000	FAN, HEADSTOCK COOLING	SEE ASSY NO.	MA	N
145	SG 0003011CX1	1.0000	CABLE ASSY - CX1A-CX1B	SEE ASSY NO.	ME	B
146	HG 0011555	1.0000	HEAT EXCHANGER	SEE ASSY NO.	MA	A
147	AH 0011508	6.0000	NUT, LOCK	SEE ASSY NO.	MA	N
148	DB 0009207 W	6.0000	WASHER CONNECTOR	SEE ASSY NO.	MA	N
149	SG 000961014	3.0000	FUSE, GI, 22 X 58 MM, 32A	SEE ASSY NO.	MA	N
150	DB 00092079U	6.0000	GR0MMET	SEE ASSY NO.	MA	N
151	CK 0008104	40.0000	TIE, WIRE	SEE ASSY NO.	MA	N
152	SG 0011350	2.0000	FILTER	SEE ASSY NO.	MA	A
154	LM 0008104	25.0000	TY-RAP	SEE ASSY NO.	MA	N
155	SG 000415819	2.0000	GUARD, PLENUM FAN FINGER	SEE ASSY NO.	MA	B
156	SGA000415814	2.0000	SUPPORT, PLENUM FAN	SEE ASSY NO.	MA	C
157	1B 0010016	1.0000	CONTACTOR, 30A	SEE ASSY NO.	MA	N
158	SG 000415812	2.0000	DUCT, PLENUM FAN	SEE ASSY NO.	MA	D
159	SG 0009532	2.0000	GR0MMET	SEE ASSY NO.	MA	N
160	HGA000283407	1.0000	SWITCH, OPERATOR	SEE ASSY NO.	MA	N
161	HGA001001901	1.0000	CONTACT BLOCK	SEE ASSY NO.	MA	N
162	CLA001037201	1.0000	PLATE, LEGEND	SEE ASSY NO.	MA	A

ITEM	PART NUMBER	QUANTITY	DESCRIPTION	ASSEMBLY	LINK	DWG.SZ.
163	MW 0193610	2.0000	WASHER, LOCK DIN-7980 M6X1.0	SEE ASSY NO.	MA	N
164	CN 000920702	1.0000	CRIMP CONNECTOR	SEE ASSY NO.	MA	N
165	VL 000362301	2.0000	WASHER, EXT TOOTH-#4 STAINLE	SEE ASSY NO.	MA	N
166	VL 000962303	1.0000	CLAMP, CABLE 0.078"	SEE ASSY NO.	MA	N
167	SG 00112980275	3.0000	FERRITE CORE, .275"	SEE ASSY NO.	MA	N
168	SG 0004158EM10	2.0000	BRACKET, DOOR HINGE MTG (EM	SEE ASSY NO.	MA	N
169	MS 0303414SS	1.0000	SCREW, BHD M4 X .7 X 8-SSTL	SEE ASSY NO.	MA	N
170	MW 0263410SS	1.0000	WASHER, EXT. STAR M4-SSTL	SEE ASSY NO.	MA	N
172	CN 0008104	2.0000	MOUNT TY-RAP	SEE ASSY NO.	MA	N
173	CS 0012099	1.0000	BEZEL, PANEL	SEE ASSY NO.	MA	N
174	HG 0001990DFB	1.0000	BRACKET, FILTER BOX DOOR	SEE ASSY NO.	MA	C

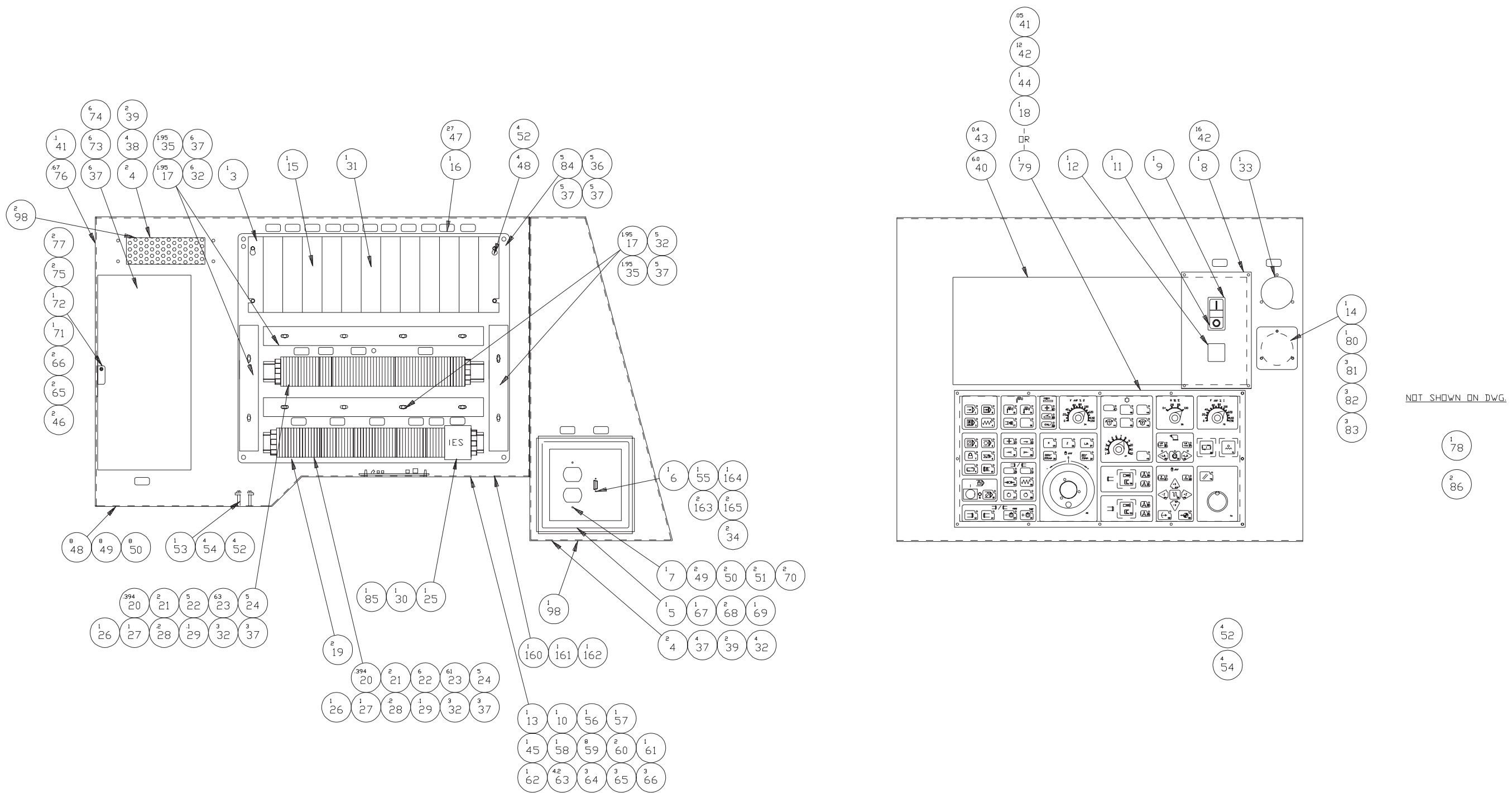
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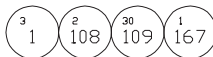
Power Case Component Assembly without Option Case, CE-Mark



ITEM	PART NUMBER	QUANTITY	DESCRIPTION	ASSEMBLY	LINK	DWG.SZ.
1	SG 0012980275	3.0000	FERRITE CORE, .275"	SEE ASSY NO.	MA	N
3	SG 000499082	1.0000	PANEL, I/O CASE COMP. MTG	SEE ASSY NO.	MA	D
4	HG 0011350	10.0000	FILTER, FOAM	SEE ASSY NO.	MA	A
5	HG 000378004	1.0000	COVER, RS232	SEE ASSY NO.	MA	A
6	SG 0012042	1.0000	RECEPTACLE HOUSING FOR HIROS	SEE ASSY NO.	MA	N
7	HG 001204201	1.0000	RECEPTACLE, 115VAC, 3 WIRE	SEE ASSY NO.	MA	A
8	CL 000415841	1.0000	PANEL, ON-OFF	SEE ASSY NO.	MA	B
9	MC 0010019	1.0000	BLOCK, CONTACT 1NO-1NC FIRST	SEE ASSY NO.	MA	B
10	SGA000415809	2.0000	PLATE, DOOR HINGE (BOTTOM)	SEE ASSY NO.	MA	A
11	MC 001022405	1.0000	SWITCH, OPERATOR ON/OFF	SEE ASSY NO.	MA	N
12	MC 000787601	1.0000	PLUG, SQUARE - SMALL HOLE	SEE ASSY NO.	MA	N
13	SG 0003780EM10	1.0000	DOOR, I/O CASE - EMC	SEE ASSY NO.	MA	D
14	SG 0010116	1.0000	GASKET, LOAD METER COVER	SEE ASSY NO.	MA	B
15	18 001179102	1.0000	INPUT MODULE I/O SYSTEM	SEE ASSY NO.	MA	A
16	LD 0002854	2.0000	TAG LAYOUT - CEMARK	SEE ASSY NO.	ME	A
17	JA 0010821	3.9000	PANDUIT	SEE ASSY NO.	MA	N
18	SG 0011844 E	1.0000	MTB PANEL - CEMARK	SEE ASSY NO.	ME	D
19	GN 001047201	2.0000	RESISTOR	SEE ASSY NO.	MA	N
20	CK 9011032	2.1880	RAIL, DIN BLANK	SEE ASSY NO.	MA	N
21	HG 001103204	8.0000	END STOP	SEE ASSY NO.	MA	A
22	HG 001103203	17.0000	END PLATE	SEE ASSY NO.	MA	A
23	HG 001103201	124.0000	TERMINAL BLOCK,BLUE	SEE ASSY NO.	MA	A
24	HG 001103205	12.0000	JUMPER, 10 POLE	SEE ASSY NO.	MA	A
25	VF 0011298	1.0000	DIODE, SUPPRESSOR	SEE ASSY NO.	MA	N
26	HG 0009175	2.1000	MARKER, STRIP 1-10	SEE ASSY NO.	MA	N
27	HG 000917501	2.1000	MARKER, STRIP 11-20	SEE ASSY NO.	MA	N
28	HG 000917502	0.5000	MARKER, STRIP 21-30	SEE ASSY NO.	MA	N
29	HG 000917503	0.3000	MARKER STRIP 31-40	SEE ASSY NO.	MA	N
30	CN 000812213	1.0000	RELAY, 24VDC 4 NO CONTACTS	SEE ASSY NO.	MA	N
31	18 0011791CE	1.0000	MODULE,DC OUTPUT,8 POINT-CEM	SEE ASSY NO.	MA	A
32	MS 0303514	31.0000	SCREW, BT. HD. M5 X .8 X 8MM	SEE ASSY NO.	MA	N
33	SG 0011857CE S	1.0000	METER, SPIN. LOAD - CEMARK	SEE ASSY NO.	MA	N
34	0300004	2.0000	SCREW	SEE ASSY NO.	MA	N
35	JA 001082101	3.9000	COVER	SEE ASSY NO.	MA	N
36	HG 0010190	11.0000	STANDOFF	SEE ASSY NO.	MA	N
37	MW 0263510	83.0000	WASHER, M5 STEEL	SEE ASSY NO.	MA	N
38	MN 0283510	16.0000	NUT, HEX SERRATED FLANGE	SEE ASSY NO.	MA	N
39	HG 000415813	10.0000	BRACKET, FOAM	SEE ASSY NO.	MA	C
40	SG 001011603	6.0000	GASKET, EMI	SEE ASSY NO.	MA	N
41	3 001088401	0.1500	ADHESIVE	SEE ASSY NO.	MA	N
42	MS 0303315	28.0000	SCREW, BUTTON HD. M3X.5X10MM	SEE ASSY NO.	MA	N
43	SGA0010884 C	0.4000	ADHESIVE, CONDUCTIVE	SEE ASSY NO.	MA	N
44	SG 0010116MP	1.0000	GASKET, MEMBRANE PANEL	SEE ASSY NO.	MA	D

ITEM	PART NUMBER	QUANTITY	DESCRIPTION	ASSEMBLY	LINK	DWG.SZ.
45	MN 0283610	27.0000	NUT, HEX SERRATED FLANGE	SEE ASSY NO.	MA	N
46	MS 0303615	2.0000	SCREW, BT. HD. M6X1.0X 10MM	SEE ASSY NO.	MA	N
47	F3 000997701	44.0000	LABEL, ID	SEE ASSY NO.	MA	N
48	MS 0303415	23.0000	SCREW, BT. HD. M4X.7,X 10MM	SEE ASSY NO.	MA	N
49	MW 0103410	10.0000	WASHER, FLAT M4 X .7 STEEL	SEE ASSY NO.	MA	N
50	MW 0183410	10.0000	WASHER, LOCK M4 STEEL	SEE ASSY NO.	MA	N
51	MS 0303416	34.0000	SCREW, BT. HD. M4X.7,X 12MM	SEE ASSY NO.	MA	N
52	MW 0263410	66.0000	WASHER, EXT. STAR M4	SEE ASSY NO.	MA	N
53	SG 001082104	2.0000	SUPPORT, CABLE BAR	SEE ASSY NO.	MA	B
54	MS 0303417	8.0000	SCREW, BT. HD. M4X.7,X 16MM	SEE ASSY NO.	MA	N
55	CN 0012042 B	1.0000	BLOCKS, LATCHING	SEE ASSY NO.	MA	N
56	SG 000415811	2.0000	SPACER, NYLON (P.C. DOOR)	SEE ASSY NO.	MA	A
57	SG 0004158EM25	1.0000	PLATE,DOOR (I/O CASE) BTM	SEE ASSY NO.	MA	B
58	HG 0012029	2.0000	KEY	SEE ASSY NO.	MA	N
59	VL 0011738	22.0000	LATCH, DOOR, VISE ACTION	SEE ASSY NO.	MA	A
60	HG 0011738	4.0000	DOOR PULL	SEE ASSY NO.	MA	N
61	SG 000415808	2.0000	PLATE, DOOR HINGE (TOP)	SEE ASSY NO.	MA	A
62	SG 000179912	2.0000	SPACER, PC & I/O CASE DOOR	SEE ASSY NO.	MA	A
63	SG 001011602	19.2000	GASKET, EMI/RFI<300'RL>	SEE ASSY NO.	MA	N
64	MS 0303617	25.0000	SCREW, BT. HD. M6X1.0 X 16MM	SEE ASSY NO.	MA	N
65	MW 0183610	27.0000	M6 REG. LOCKWASHER	SEE ASSY NO.	MA	N
66	MW 0103610	29.0000	WASHER, FLAT M6 STEEL	SEE ASSY NO.	MA	N
67	CN 0011062	1.0000	KNOB	SEE ASSY NO.	MA	N
68	CC 0011947	2.0000	STRIP, MAGNETIC	SEE ASSY NO.	MA	N
69	0300204	1.0000	SCREW BT HD 8-32 X 1/4	SEE ASSY NO.	MA	N
70	MN 0113410	2.0000	NUT, HEXAGON, 934 PLATED	SEE ASSY NO.	MA	N
71	CL 000415832	1.0000	BRACKET, SWITCH,OTC & I/O CA	SEE ASSY NO.	MA	B
72	CL 001022407	1.0000	SWITCH, INTERLOCK	SEE ASSY NO.	MA	N
73	MS 0303516	6.0000	SCREW,BUT.HD.M5X.8X12MM	SEE ASSY NO.	MA	N
74	MW 0103510	22.0000	WASHER, FLAT M5 X .8 STEEL	SEE ASSY NO.	MA	N
75	6 0008137	2.0000	WASHER, LOCK	SEE ASSY NO.	MA	N
76	SB 001056504	0.6700	U CHANNEL	SEE ASSY NO.	MA	N
77	0300103	2.0000	SCREW BT HD 6-32 X 3/16	SEE ASSY NO.	MA	N
78	SG 0003279WP10	1.0000	WIRE PACKAGE-I/O CASE-CEMARK	SEE ASSY NO.	MA	N
79	SG 0011844RT E	1.0000	MTB PANEL ASSY - CEMARK	SEE ASSY NO.	ME	D
80	SG 001011542	1.0000	COVER, LOAD METER	SEE ASSY NO.	MA	B
81	MW 0193310	3.0000	WASHER, LOCK DIN-7980 M3X.5	SEE ASSY NO.	MA	N
82	MW 0103310	3.0000	WASHER, FLAT REGULAR M3X.5	SEE ASSY NO.	MA	N
83	MN 0113310	3.0000	NUT, M3 X .5	SEE ASSY NO.	MA	N
84	MS 0303515	37.0000	SCREW, BT. HD. M5X.8,X 10MM	SEE ASSY NO.	MA	N
85	VF 001036101	1.0000	ADDER DECK	SEE ASSY NO.	MA	N
86	DV 010546	2.0000	NUT, 10-32 BRASS HEX	SEE ASSY NO.	MA	N
87	MW 0183510	4.0000	WASHER, LOCK REG. M5 X .8 SC	SEE ASSY NO.	MA	N
88	MS 0303517	4.0000	SCREW, BUTTON HD. M5X.8X16MM	SEE ASSY NO.	MA	N

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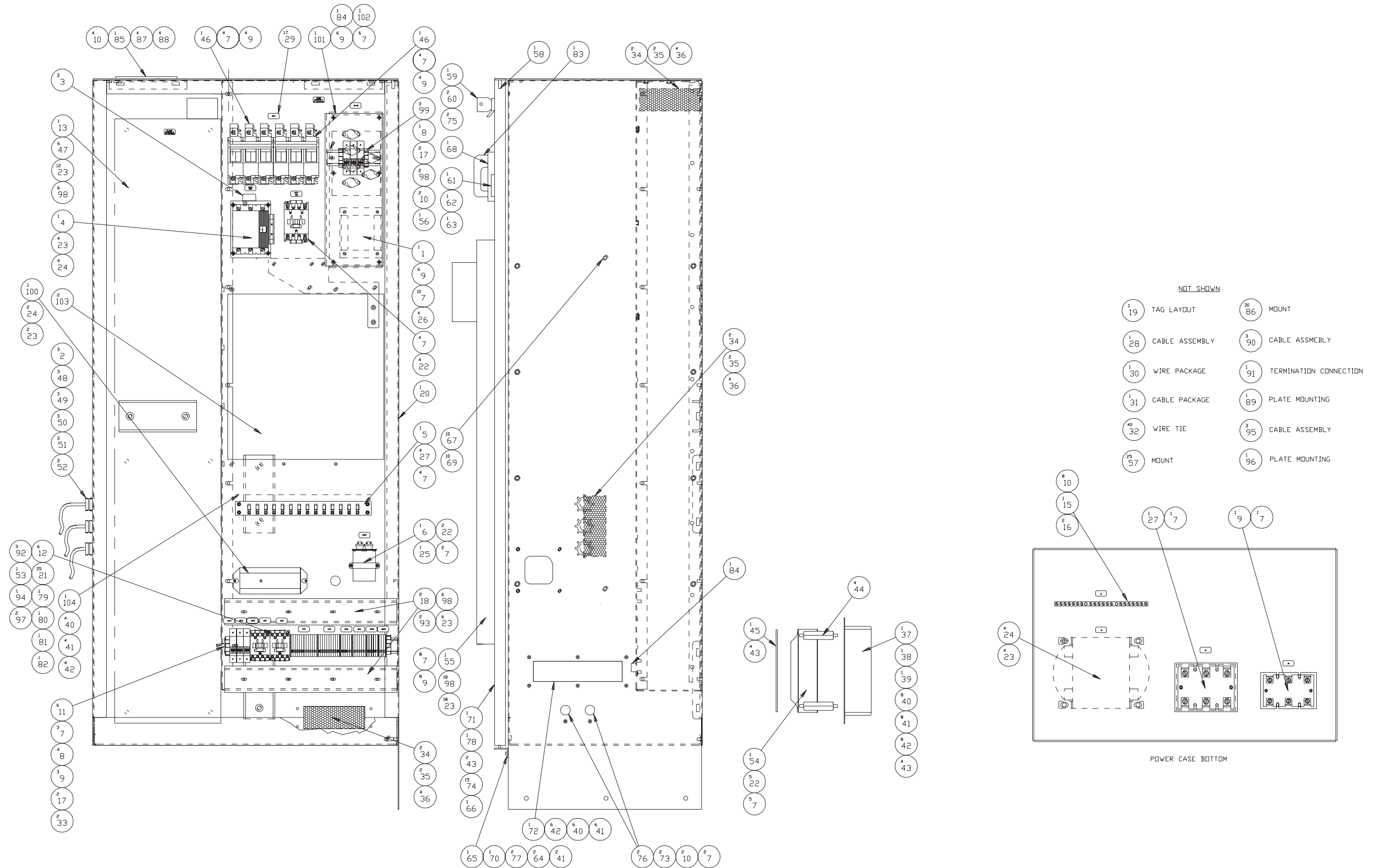
# Power Case Component Assembly without Option Case, CE-Mark

ITEM	PART NUMBER	QUANTITY	DESCRIPTION	ASSEMBLY	LINK	DWG.SZ.
89	SGA000190402	1.0000	PLATE, PSM-15 & DRV MTG<CEMA	SEE ASSY NO.	ME	D
90	SG 0003011JX1	3.0000	CABLE ASSY - JX1A-JX1B	SEE ASSY NO.	MA	B
91	SG 0012042TCA	1.0000	TERMINATING CONNECTING ASSY.	SEE ASSY NO.	ME	B
92	SG 001001702	3.0000	HOLDER, FUSE 1P/W IND.CC FUS	SEE ASSY NO.	MA	N
93	HG 001082108	2.0000	COVER, FOR DUCT (HG 10821)	SEE ASSY NO.	MA	N
94	VL 0009175	0.1000	STRIP, MARKER 51-60	SEE ASSY NO.	MA	N
95	SG 0003011CX2	3.0000	CABLE ASSY - CX2A-CX2B	SEE ASSY NO.	MA	B
96	SGA000190401	1.0000	PLATE, DRIVE MOUNTING<CE-MAR	SEE ASSY NO.	ME	D
97	CKA001036101	2.0000	CONTACTOR, NON-REVERSING	SEE ASSY NO.	MA	N
98	SB 000953201	7.0000	GROMMET	SEE ASSY NO.	MA	N
99	SG 001001703	3.0000	HOLDER, FUSE 1P/W/D IND.CC F	SEE ASSY NO.	MA	N
100	CL 000023901	1.0000	BALLAST	SEE ASSY NO.	MA	N
101	SG 001011544	1.0000	COVER, POWER SUPPLY - CEMARK	SEE ASSY NO.	MA	D
102	CN 000953203	1.0000	GROMMET,	SEE ASSY NO.	MA	N
103	HG 0010546	2.0000	NUT, 1/4-20 BRASS HEX	SEE ASSY NO.	MA	N
104	SG 000399009	1.0000	SPACER, SHIELD BAR <CEMARK>	SEE ASSY NO.	MA	D
105	MS 0303817	10.0000	SCREW	SEE ASSY NO.	MA	N
106	CL 0010646	1.0000	METER,RUN TIME	SEE ASSY NO.	MA	N
107	MW 0103810 H	10.0000	WASHER, FLAT M8 X 1.25 STEEL	SEE ASSY NO.	MA	N
108	SG 00112980402	2.0000	FERRITE CORE, .402"	SEE ASSY NO.	MA	N
109	SG 0010473	30.0000	TUBING, 3/8" TINNED	SEE ASSY NO.	MA	N
110	SG 0004158EM10	1.0000	BRACKET, DOOR HINGE MTG <EM	SEE ASSY NO.	MA	N
111	HG 001103202	6.0000	TERMINAL BLOCK, GREEN/YELLOW	SEE ASSY NO.	MA	A
112	CC 0008104	30.0000	MOUNT, TY RAP (ADHESIVE)	SEE ASSY NO.	MA	N
113	HG 000415811	1.0000	PLATE, POWER SUPPLY	SEE ASSY NO.	MA	B
114	SG 000415828LB	1.0000	PLENUM, SG PWRCASE <CE-MARK>	SEE ASSY NO.	MA	D
115	MN 0113510	2.0000	NUT, HEX	SEE ASSY NO.	MA	N
116	CN 0009532	2.0000	GROMMET	SEE ASSY NO.	MA	N
117	18 0008776PS	1.0000	POWER SUPPLY, 24VDC, 7.2 AMP	SEE ASSY NO.	MA	N
118	SG 0010359 H	1.0000	HANDLE, DISCONNECT OPERATING	SEE ASSY NO.	MA	N
119	SB 0011888	1.0000	KIT, GROUND BAR	SEE ASSY NO.	MA	N
120	HG 0011032	35.0000	TERMINAL BLOCK, GRAY	SEE ASSY NO.	MA	A
121	VF 001129801	1.0000	FILTER	SEE ASSY NO.	MA	N
122	SG 000301196C	1.0000	CABLE PACKAGE, PWR CASE-CE96	SEE ASSY NO.	MA	N
123	CK 001033101	2.0000	CAP PLUG 7/8	SEE ASSY NO.	MA	N
124	SGB0004158CE A	1.0000	PLATE, PWRCASE ASSY.-CEMARK	SEE ASSY NO.	MA	D
125	SG 001001704	2.0000	HOLDER, FUSE 3P 125A	SEE ASSY NO.	MA	N
126	SG 0003279WPC	1.0000	WIRE PACKAGE PWR CASE - CEMA	SEE ASSY NO.	MA	N
127	HG 0010821	2.0000	DUCT	SEE ASSY NO.	MA	N
128	DB 00092079A	6.0000	BODY CONNECTOR	SEE ASSY NO.	MA	N
129	HG 001011552	1.0000	COVER, LOWER <POWER CASE>	SEE ASSY NO.	MA	D
130	SG 0009175	0.1000	STRIP, MARKER 41-50	SEE ASSY NO.	MA	N
131	CL 0010471	1.0000	CAPACITOR, HEADSTK COOL FAN	SEE ASSY NO.	MA	N
132	18 001001601	1.0000	CONTACTOR, 75A	SEE ASSY NO.	MA	N

ITEM	PART NUMBER	QUANTITY	DESCRIPTION	ASSEMBLY	LINK	DWG.SZ.
133	DB 00092079B	6.0000	NUT CONNECTOR COMPRESS	SEE ASSY NO.	MA	N
134	MS 0103618	2.0000	SCREW,SDC.HD.CAP M6X1.0X20MM	SEE ASSY NO.	MA	N
135	MS 0303414	2.0000	BUTTON HEAD SCREW	SEE ASSY NO.	MA	N
136	CL 0010471 B	1.0000	BRACKET, CAPACITOR	SEE ASSY NO.	MA	N
137	SG 001019001	4.0000	STANDOFF	SEE ASSY NO.	MA	A
138	SGA0003780EMPC	1.0000	DOOR, POWERCASE - EMC	SEE ASSY NO.	MA	D
139	SO 0010226	6.0000	GASKET ASSEMBLY 1/2 INCH	SEE ASSY NO.	MA	N
140	MS 0303410	5.0000	SCREW, BT. HD. M4X.7,X 3MM	SEE ASSY NO.	MA	N
141	MW 0193610	2.0000	WASHER, LOCK DIN-7980 M6X1.0	SEE ASSY NO.	MA	N
142	SG 001019002	4.0000	STANDOFF, PLENUM SUPPORT	SEE ASSY NO.	MA	A
143	CLA001037201	1.0000	PLATE, LEGEND	SEE ASSY NO.	MA	A
144	CL 001185003	1.0000	FAN, HEADSTOCK COOLING	SEE ASSY NO.	MA	N
145	SG 0003011CX1	1.0000	CABLE ASSY - CX1A-CX1B	SEE ASSY NO.	MA	B
146	HG 0011555	1.0000	HEAT EXCHANGER	SEE ASSY NO.	MA	A
147	AH 0011508	6.0000	NUT, LOCK	SEE ASSY NO.	MA	N
148	DB 0009207 W	6.0000	WASHER CONNECTOR	SEE ASSY NO.	MA	N
149	HGA001001901	1.0000	CONTACT BLOCK	SEE ASSY NO.	MA	N
150	DB 00092079U	6.0000	GROMMET	SEE ASSY NO.	MA	N
151	CK 0008104	40.0000	TIE, WIRE	SEE ASSY NO.	MA	N
152	SG 0011350	1.0000	FILTER	SEE ASSY NO.	MA	A
154	LM 0008104	25.0000	TY-RAP	SEE ASSY NO.	MA	N
155	SG 000415819	1.0000	GUARD, PLENUM FAN FINGER	SEE ASSY NO.	MA	B
156	SGA000415814	1.0000	SUPPORT, PLENUM FAN	SEE ASSY NO.	MA	C
157	HGA000283407	1.0000	SWITCH, OPERATOR	SEE ASSY NO.	MA	N
158	SG 000415812	1.0000	DUCT, PLENUM FAN	SEE ASSY NO.	MA	D
159	SG 0009532	1.0000	GROMMET	SEE ASSY NO.	MA	N
160	VL 000962302	1.0000	CLAMP, CABLE 0.125"	SEE ASSY NO.	MA	N
161	MS 0303414SS	1.0000	SCREW, BHD M4 X .7 X 8-SSTL	SEE ASSY NO.	MA	N
162	MW 0263410SS	1.0000	WASHER, EXT. STAR M4-SSTL	SEE ASSY NO.	MA	N
163	VL 000362301	2.0000	WASHER, EXT TOOTH-#4 STAINLE	SEE ASSY NO.	MA	N
164	VL 000962303	1.0000	CLAMP, CABLE 0.078"	SEE ASSY NO.	MA	N
165	0170006	2.0000	SCREW, BINDING HD-SS 4-40X3/	SEE ASSY NO.	MA	N
166	CN 0008104	2.0000	MOUNT TY-RAP	SEE ASSY NO.	MA	N
167	CN 000920702	1.0000	CRIMP CONNECTOR	SEE ASSY NO.	MA	N
168	CS 0012099	1.0000	BEZEL, PANEL	SEE ASSY NO.	MA	N
169	HG 0001990DFB	1.0000	BRACKET, FILTER BOX DOOR	SEE ASSY NO.	MA	C

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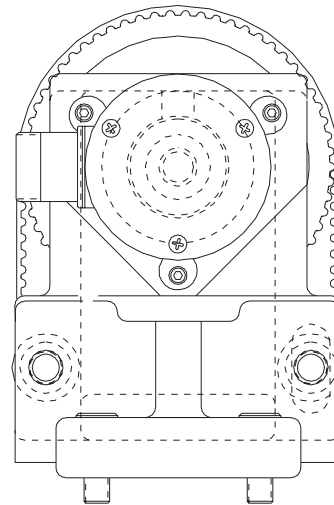
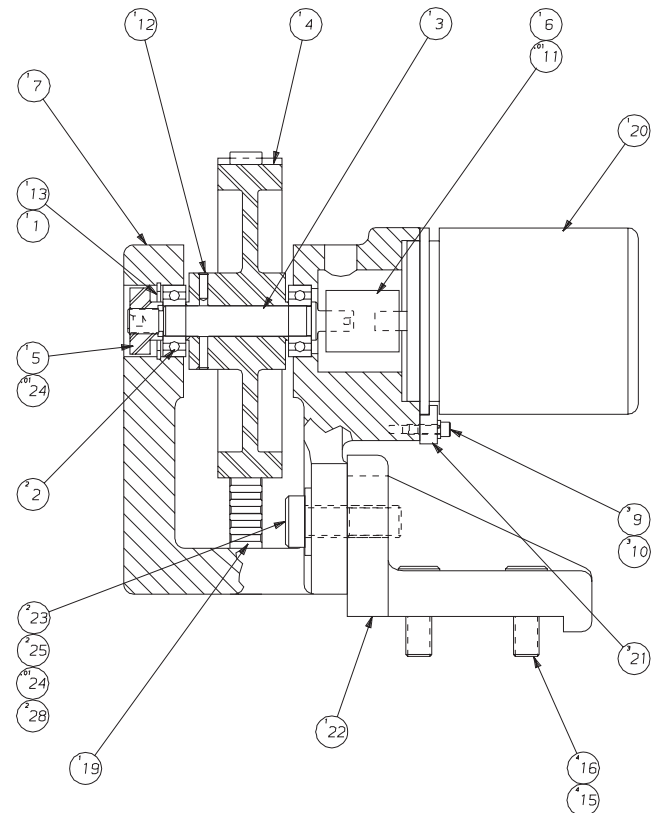
# Power Case Component Assembly, Non-CE Mark

ITEM	PART NUMBER	QUANTITY	DESCRIPTION	ASSEMBLY	LINK	DWG.SZ.
1	1B 0008776PS	1.0000	POWER SUPPLY, 24VDC, 7.2 AMP	SEE ASSY NO.	ME	N
2	DB 00092079A	3.0000	BODY CONNECTOR	SEE ASSY NO.	MA	N
3	VF 001129801	3.0000	FILTER	SEE ASSY NO.	MA	N
4	1B 001001601	1.0000	CONTACTOR, 75A	SEE ASSY NO.	MA	N
5	SG 001082104	1.0000	SUPPORT, CABLE BAR	SEE ASSY NO.	MA	B
6	CL 0010471	1.0000	CAPACITOR, HEADSTK COOL FAN	SEE ASSY NO.	MA	N
7	MW 0263410	54.0000	WASHER, EXT. STAR M4	SEE ASSY NO.	MA	N
8	CK 9011032	1.4000	RAIL, DIN BLANK	SEE ASSY NO.	MA	N
9	MS 0303416	32.0000	SCREW, BT. HD. M4X.7,X 12MM	SEE ASSY NO.	MA	N
10	MW 0103510	16.0000	WASHER, FLAT M5 X .8 STEEL	SEE ASSY NO.	MA	N
11	HG 001103203	6.0000	END PLATE	SEE ASSY NO.	MA	A
12	HG 001103202	6.0000	TERMINAL BLOCK, GREEN/YELLOW	SEE ASSY NO.	MA	A
13	SGB0004158CE A	1.0000	PLATE, PWRCASE ASSY-CEMARK	SEE ASSY NO.	MA	D
15	SB 0011888	1.0000	KIT, GROUND BAR	SEE ASSY NO.	MA	N
16	MN 0113510	2.0000	NUT, HEX	SEE ASSY NO.	MA	N
17	HG 001103204	4.0000	END STDP	SEE ASSY NO.	MA	A
18	HG 0010821	2.0000	DUCT	SEE ASSY NO.	MA	N
19	LD 0002854	1.0000	TAG LAYOUT - CEMARK	SEE ASSY NO.	ME	A
20	SG 0004158PC A	1.0000	POWERCASE - 18TB-NDT EMC	SEE ASSY NO.	ME	D
21	HG 0011032	35.0000	TERMINAL BLOCK, GRAY	SEE ASSY NO.	MA	A
22	MS 0303415	11.0000	SCREW, BT. HD. M4X.7,X 10MM	SEE ASSY NO.	MA	N
23	MW 0263510	46.0000	WASHER, M5 STEEL	SEE ASSY NO.	MA	N
24	MS 0303514	10.0000	SCREW, BT. HD. M5 X .8 X 8MM	SEE ASSY NO.	MA	N
25	CL 0010471 B	1.0000	BRACKET, CAPACITOR	SEE ASSY NO.	MA	N
26	SG 001019001	4.0000	STANDOFF	SEE ASSY NO.	MA	A
27	MS 0303410	5.0000	SCREW, BT. HD. M4X.7,X 3MM	SEE ASSY NO.	MA	N
28	SG 0003011CX1	1.0000	CABLE ASSY - CX1A-CX1B	SEE ASSY NO.	MA	B
29	F3 000997701	17.0000	LABEL, ID	SEE ASSY NO.	MA	N
30	SG 0003279WP C	1.0000	WIRE PACKAGE, POWER CASE	SEE ASSY NO.	MA	N
31	SG 0003011CE C	1.0000	CABLE PACKAGE, POWER CASE	SEE ASSY NO.	MA	N
32	CK 0008104	40.0000	TIE, WIRE	SEE ASSY NO.	MA	N
33	HG 001103205	2.0000	JUMPER, 10 POLE	SEE ASSY NO.	MA	A
34	HG 000415813	6.0000	BRACKET, FOAM	SEE ASSY NO.	MA	C
35	HG 0011350	6.0000	FILTER, FOAM	SEE ASSY NO.	MA	A
36	MN 0283510	12.0000	NUT, HEX SERRATED FLANGE	SEE ASSY NO.	MA	N
37	SG 000415812	1.0000	DUCT, PLENUM FAN	SEE ASSY NO.	MA	D
38	SG 000415819	1.0000	GUARD, PLENUM FAN FINGER	SEE ASSY NO.	MA	B
39	SG 0011350	1.0000	FILTER	SEE ASSY NO.	MA	A
40	MS 0303617	18.0000	SCREW, BT. HD. M6X1.0 X 16MM	SEE ASSY NO.	MA	N
41	MW 0103610	20.0000	WASHER, FLAT M6 STEEL	SEE ASSY NO.	MA	N
42	MW 0183610	18.0000	M6 REG. LOCKWASHER	SEE ASSY NO.	MA	N
43	MN 0283610	10.0000	NUT, HEX SERRATED FLANGE	SEE ASSY NO.	MA	N
44	SG 001019002	4.0000	STANDOFF, PLENUM SUPPORT	SEE ASSY NO.	MA	A
45	SGA000415814	1.0000	SUPPORT, PLENUM FAN	SEE ASSY NO.	MA	C
46	SG 001001704	2.0000	HOLDER, FUSE 3P 125A	SEE ASSY NO.	ME	N
47	HG 0010190	6.0000	STANDOFF	SEE ASSY NO.	MA	N
48	DB 00092079B	3.0000	NUT CONNECTOR COMPRESS	SEE ASSY NO.	MA	N
49	DB 00092079U	3.0000	GROMMET	SEE ASSY NO.	MA	N
50	DB 0009207 W	3.0000	WASHER CONNECTOR	SEE ASSY NO.	MA	N
51	AH 0011508	3.0000	NUT, LOCK	SEE ASSY NO.	MA	N
52	SO 0010226	3.0000	GASKET ASSEMBLY 1/2 INCH	SEE ASSY NO.	MA	N
53	SG 0009175	0.1000	STRIP, MARKER 41-50	SEE ASSY NO.	MA	N
54	CL 001185003	1.0000	FAN, HEADSTOCK COOLING	SEE ASSY NO.	MA	N
55	HG 0011555	1.0000	HEAT EXCHANGER	SEE ASSY NO.	MA	A

ITEM	PART NUMBER	QUANTITY	DESCRIPTION	ASSEMBLY	LINK	DWG.SZ.
56	CN 0009532	2.0000	GROMMET	SEE ASSY NO.	MA	N
57	LM 0008104	25.0000	TY-RAP	SEE ASSY NO.	MA	N
58	SG 000179912	1.0000	SPACER, PC & I/O CASE DOOR	SEE ASSY NO.	MA	N
59	HG 0012029	1.0000	KEY	SEE ASSY NO.	MA	N
60	HG 001173801	2.0000	LATCH, DOOR, VISE ACTION	SEE ASSY NO.	MA	A
61	HGA000283407	1.0000	SWITCH, OPERATOR	SEE ASSY NO.	MA	N
62	HGA001001902	1.0000	CONTACT, BLOCK	SEE ASSY NO.	MA	N
63	CLA001037201	1.0000	PLATE, LEGEND	SEE ASSY NO.	MA	A
64	MW 0193610	2.0000	WASHER, LOCK DIN-7980 M6X1.0	SEE ASSY NO.	MA	N
65	SG 000415810	1.0000	BRACKET, DOOR HINGE MTG.	SEE ASSY NO.	MA	N
66	SG 000415808	1.0000	PLATE, DOOR HINGE (TOP)	SEE ASSY NO.	MA	A
67	MW 0103810 H	10.0000	WASHER, FLAT M8 X 1.25 STEEL	SEE ASSY NO.	MA	N
68	CL 0010646	1.0000	METER, RUN TIME	SEE ASSY NO.	MA	N
69	MS 0303817	10.0000	SCREW	SEE ASSY NO.	MA	N
70	SG 000415811	1.0000	SPACER, NYLON (P.C. DOOR)	SEE ASSY NO.	MA	A
71	SG 0003780PC	1.0000	DOOR, POWERCASE	SEE ASSY NO.	MA	D
72	HG 001011552	1.0000	COVER, LOWER (POWER CASE)	SEE ASSY NO.	MA	D
73	MS 0303414	2.0000	BUTTON HEAD SCREW	SEE ASSY NO.	MA	N
74	CN 001119801	15.0000	SEAL, DOOR	SEE ASSY NO.	MA	N
75	HG 0011738	2.0000	DOOR PULL	SEE ASSY NO.	MA	N
76	CK 001033101	2.0000	CAP PLUG 7/8	SEE ASSY NO.	MA	N
77	MS 0103618	2.0000	SCREW, SOCHD.CAP M6X1.0X20MM	SEE ASSY NO.	MA	N
78	SGA000415809	1.0000	PLATE, DOOR HINGE (BOTTOM)	SEE ASSY NO.	MA	A
79	HG 0009175	0.1000	MARKER, STRIP 1-10	SEE ASSY NO.	MA	N
80	HG 000917501	0.1000	MARKER, STRIP 11-20	SEE ASSY NO.	MA	N
81	HG 000917502	0.1000	MARKER, STRIP 21-30	SEE ASSY NO.	MA	N
82	HG 000917503	0.1000	MARKER STRIP 31-40	SEE ASSY NO.	MA	N
83	SG 0010359 H	1.0000	HANDLE, DISCONNECT OPERATING	SEE ASSY NO.	MA	N
84	SG 0009532	1.0000	GROMMET	SEE ASSY NO.	MA	N
85	HG 000415811	1.0000	PLATE, POWER SUPPLY	SEE ASSY NO.	MA	B
86	CC 0008104	30.0000	MOUNT, TY RAP (ADHESIVE)	SEE ASSY NO.	MA	N
87	MW 0183510	4.0000	WASHER, LOCK REG. M5 X .8 SC	SEE ASSY NO.	MA	N
88	MS 0303517	4.0000	SCREW, BUTTON HD. M5X.8,X 10MM	SEE ASSY NO.	MA	N
89	SG 000190402	1.0000	PLATE, PSM-15 & DRV MTG(CEMA)	SEE ASSY NO.	ME	D
90	SG 0003011JX 1	3.0000	CABLE ASSEMBLY JX1A-JX1B	SEE ASSY NO.	MA	B
91	SG 0012042TCA	1.0000	TERMINATING CONNECTING ASSY.	SEE ASSY NO.	MA	B
92	SG 001001702	3.0000	HOLDER, FUSE 1P/W IND.CC FUS	SEE ASSY NO.	MA	N
93	HG 001082108	2.0000	COVER, FOR DUCT (HG 10821)	SEE ASSY NO.	MA	N
94	VL 0009175	0.1000	STRIP, MARKER 51-60	SEE ASSY NO.	MA	N
95	SG 0003011CX2	2.0000	CABLE ASSY - CX2A-CX2B	SEE ASSY NO.	MA	B
96	SG 000190401	1.0000	PLATE, DRIVE MOUNTING(CE-MAR)	SEE ASSY NO.	ME	D
97	CKA001036101	2.0000	CONTACTOR, NON-REVERSING	SEE ASSY NO.	MA	N
98	MS 0303515	32.0000	SCREW, BT. HD. M5X.8,X 10MM	SEE ASSY NO.	MA	N
99	SG 001001703	3.0000	HOLDER, FUSE 1P/W/O IND.CC F	SEE ASSY NO.	MA	N
100	CL 000239 01	1.0000	BALLAST	SEE ASSY NO.	MA	N
101	SG 001011544	1.0000	COVER, POWER SUPPLY - CEMARK	SEE ASSY NO.	MA	D
102	CN 000953203	1.0000	GROMMET,	SEE ASSY NO.	MA	N
103	HG 0010546	2.0000	NUT, 1/4-20 BRASS HEX	SEE ASSY NO.	MA	N
104	SG 000399009	1.0000	SPACER, SHIELD BAR (CEMARK)	SEE ASSY NO.	MA	D
105	CN 0008104	2.0000	MOUNT TY-RAP	SEE ASSY NO.	MA	N

NOT SHOWN

105



17

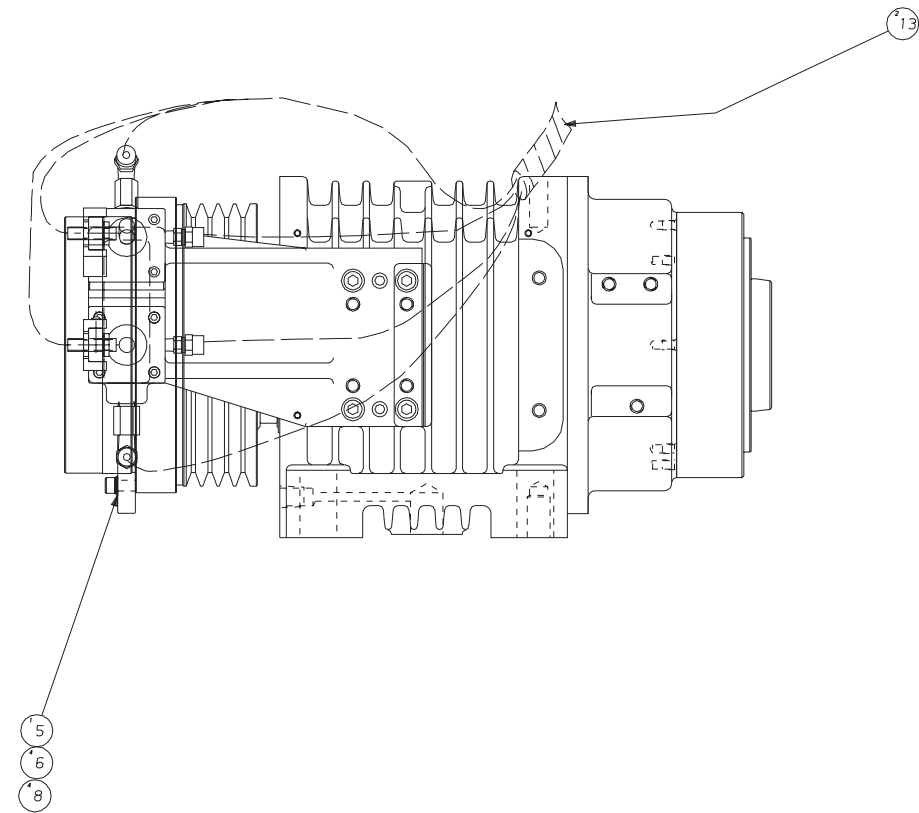
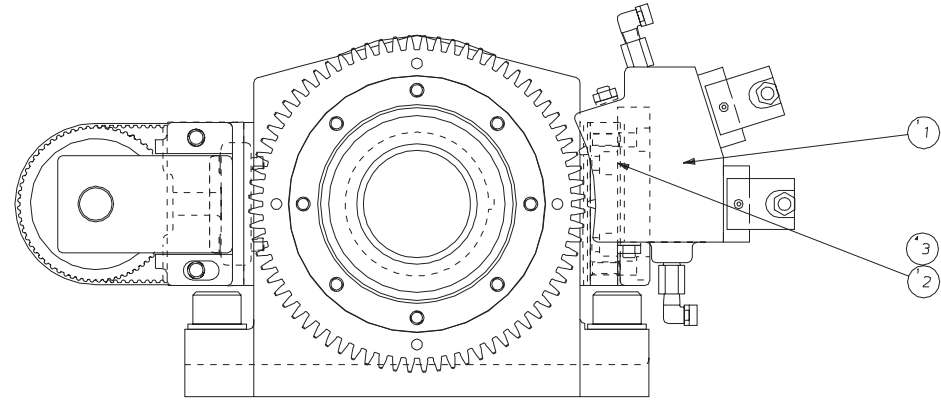
28	MW-0194010	2	LOCKWASHER
25	MW-0104010-H	2	WASHER
24	NC-0010884	0	ADHESIVE, LOCTITE #242
23	MS-0124020	2	M10 SCREW, LOW SOC HD CAP
22	SG-0010467	1	BRACKET, SUPPORT
21	CC-0000363-GN	3	CLAMP
20	HG-0011796	1	ENCODER
19	SG-0003346-09	1	BELT, HTD TIMING
17	RF-0011971	1	BAG-MAIL
16	MS-0103818	4	M8 SCREW, SOCKET HD CAP
15	MW-0193810	4	WASHER, LOCK
13	87-0008231-01	1	RING, RETAINING
12	45-0009862-16	1	PIN, SPRING
11	NC-0010884-01	0	ADHESIVE, LOCTITE #222
10	MW-0193310	3	WASHER, LOCK
9	MS-0103315	3	M3 SCREW, SOCKET HD CAP
7	CL-0011795	1	HOUSING, FEEDBACK
6	CC-0011792-GN	1	COUPLING, FLEXIBLE
5	CS-0010840	1	NUT, FOR FEEDBACK (METRIC)
4	SG-0003177-17	1	PULLEY, TIMING
3	CL-0000796	1	SHAFT, PULLEY
2	CC-0010836-01	2	BEARING
1	CC-0010834	1	WASHER, SPRING
ITEM	PART NUMBER	QTY	DESCRIPTION

NAME ENCODER W/O C-AXIS

PART NUMBER SG-0011797  
SHEET 1 of 1

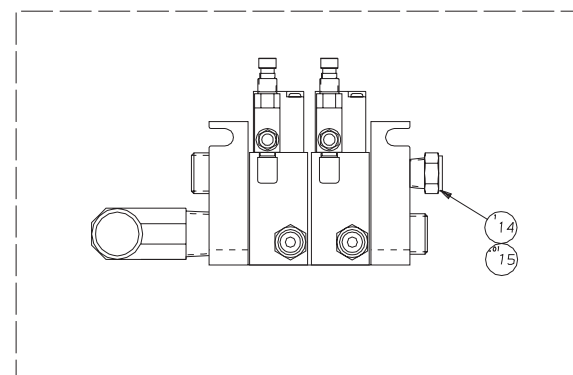
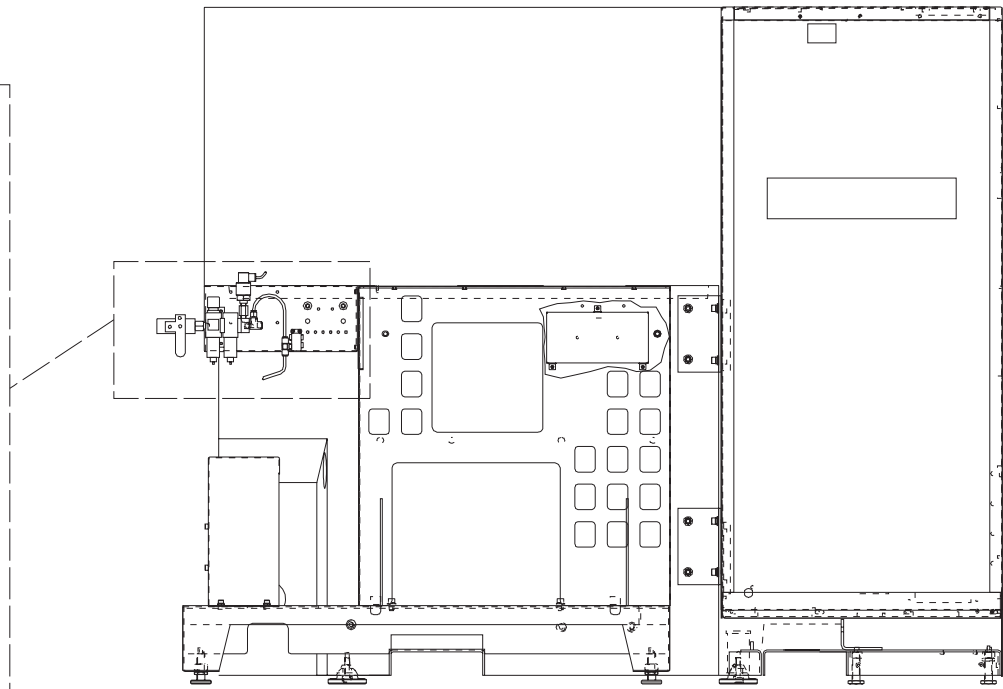
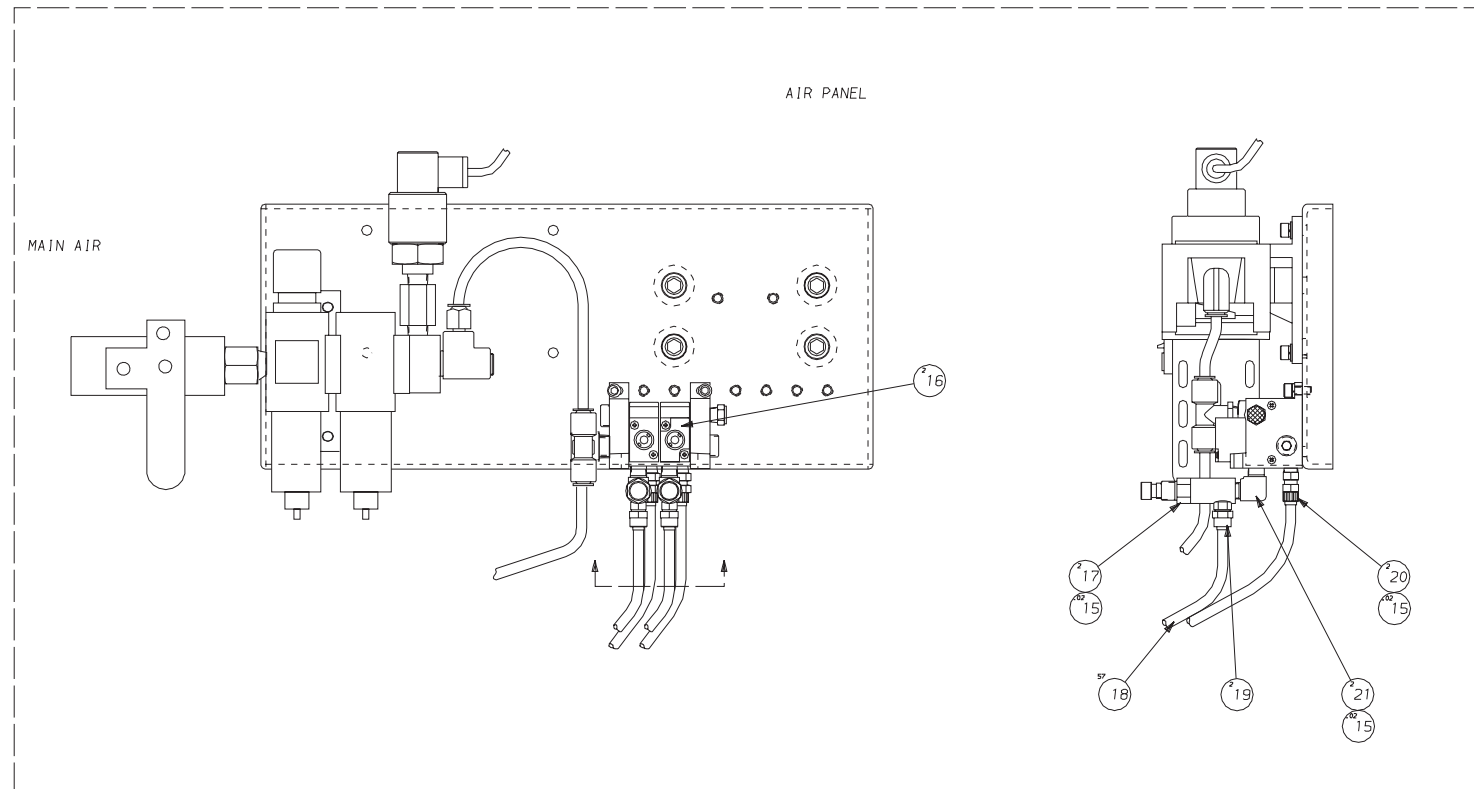
REV LEVEL D

# Spindle Orient Assembly



NAME 2-1/2° SPINDLE ORIENT ASSEMBLY PART NUMBER 5G-0000279-A SHEET 1 OF 2 REV LEVEL C





22

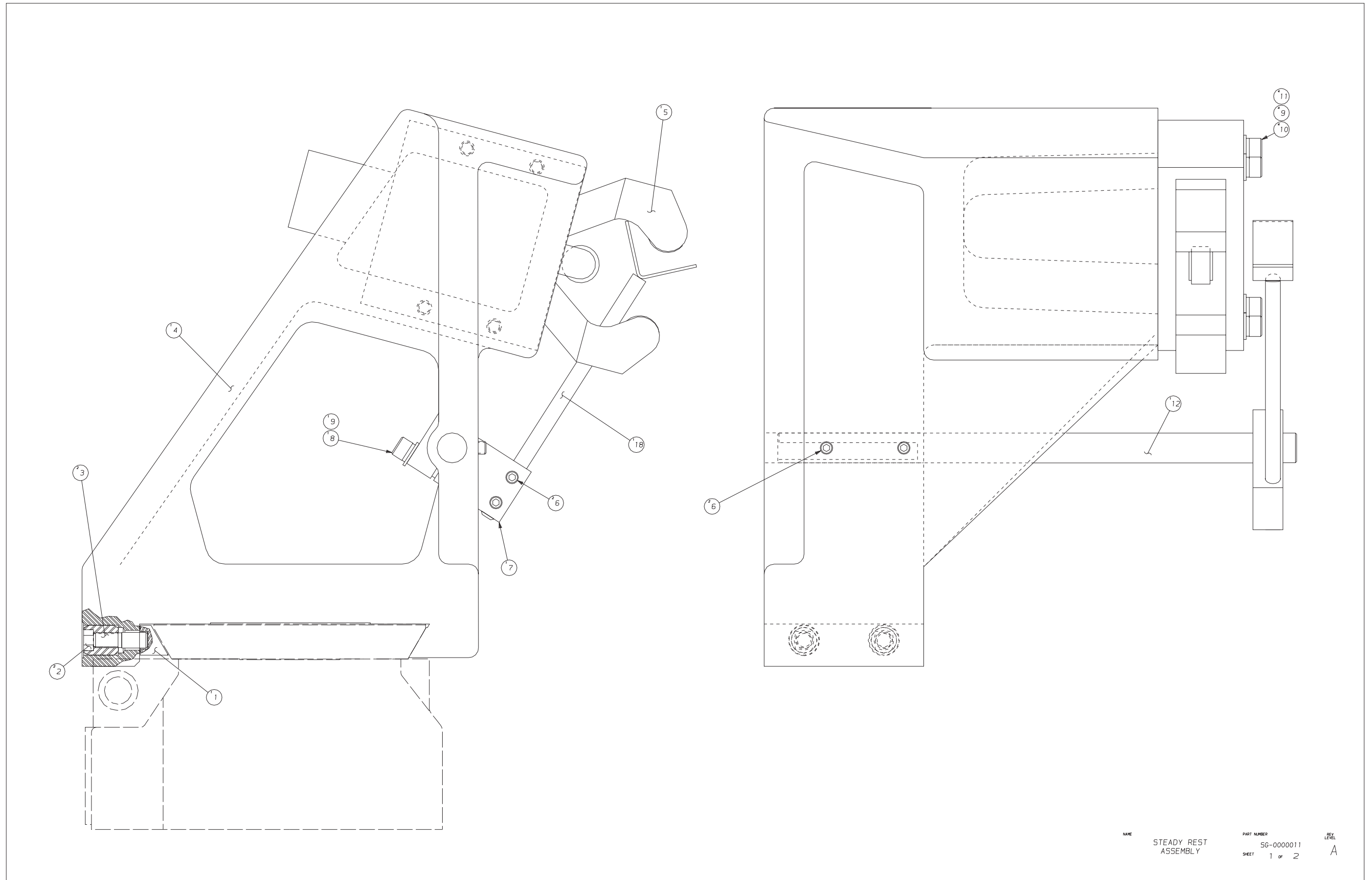
22	CL-0002024	4	PIN, DOWEL 1/4" X 3/4"
21	NC-0010786	2	ELBOW, STREET (1/8 NPT-1/8
20	268-0007702-04	2	CONNECTOR, MALE
19	RF-0010786-01	2	FITTING, STRAIGHT PARKER #
18	AH-0007007-NF	57	TUBING, 1/4" OD
17	CS-0010779-04	2	REGULATOR ADI #53-01-02 1/
16	CL-0003048-09	2	VALVE, AIR
15	LT-0010884-5	0	SEALANT, PIPE
14	RF-0011335-01	1	MUFFLER
13	RH-0011622-01	2	SLEEVE, PLASTIC COIL
8	MW-0193610	4	WASHER, LOCK M6
6	MS-0103619	4	SCREW, SOC HD M6 X 25MM
5	CL-0004053-03	1	SPROCKET, SPINDLE ORIENT
3	MS-0103818	4	SCREW, SOC HD M8 X 20MM
2	SG-0009496-01	1	SPACER, SPINDLE ORIENT
1	CL-0000279-A	1	2-1/2" SPINDLE ORIENT AS
ITEM	PART NUMBER	QTY	DESCRIPTION

NAME  
2-1/2" SPINDLE ORIENT  
ASSEMBLY

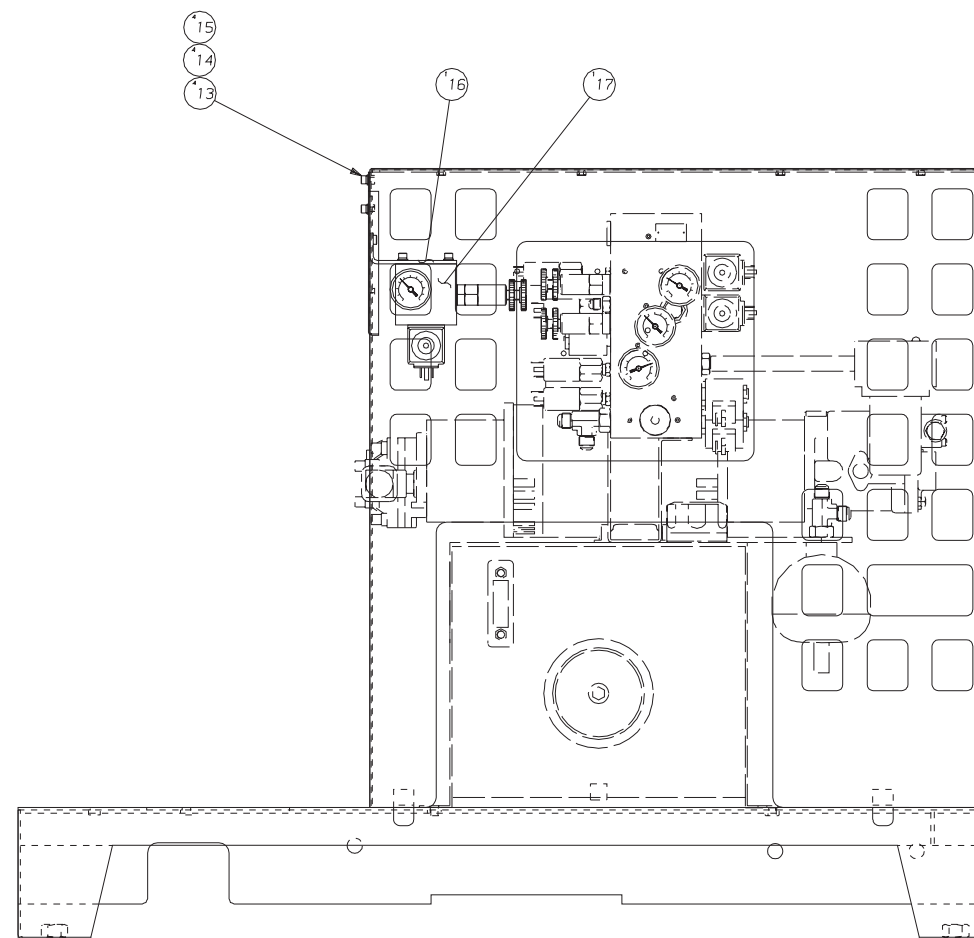
PART NUMBER  
SG-0000279-A  
SHEET 2 OF 2

REV  
LEVEL  
B

# Steady Rest Assembly



NAME STEADY REST ASSEMBLY  
PART NUMBER SG-000011  
SHEET 1 OF 2  
REV LEVEL A



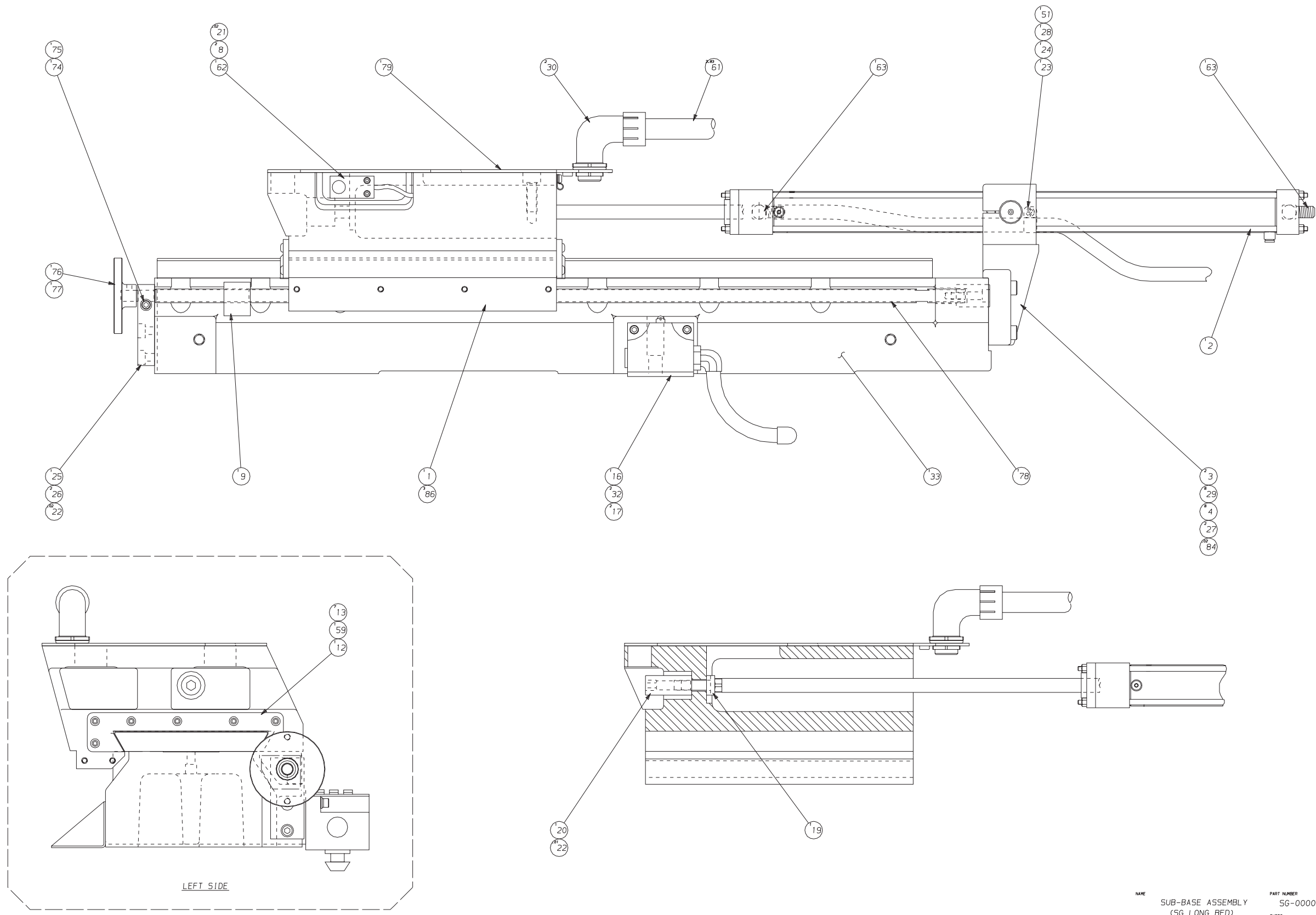
18	CL-0003990-6A	1	SUPPORT ASSEMBLY
17	SG-0000133-LB5R	1	STEADY REST HYDRAULIC UNI
16	SG-0001990-MB	1	BRACKET, MANIFOLD
15	MW-0183610	4	M6 WASHER, LOCK
14	MW-0103610	4	M6 WASHER, FLAT
13	MS-0103617	4	M6-1.0x3mm, SHCS
12	CL-0011603	1	ROD
11	MW-0183810	4	M8 WASHER, LOCK
10	MS-0103828	4	M8x1.25x70mm, SHCS
9	MW-0103810	5	M8 WASHER, FLAT
8	MS-0103821	1	M8-1.25x35mm SHCS
7	CL-0011320	1	BLOCK, POSITIONING
6	MS-0573815	4	M8x1.25x10mm, SSFP SCREW
5	CL-0000011-AR40	1	STANDARD AUTO REST
4	SG-0000666	1	FRAME, STEADY REST
3	CL-0009094-SRLK	2	PLUG, GIB LOCKING
2	6-0009095	2	LOCKING SCREW
1	SG-0000011-G1	1	GIB, STEADY REST
ITEM	PART NUMBER	QTY	DESCRIPTION

NAME  
T-42-L STEADY REST  
HYDRAULICS LAYOUT

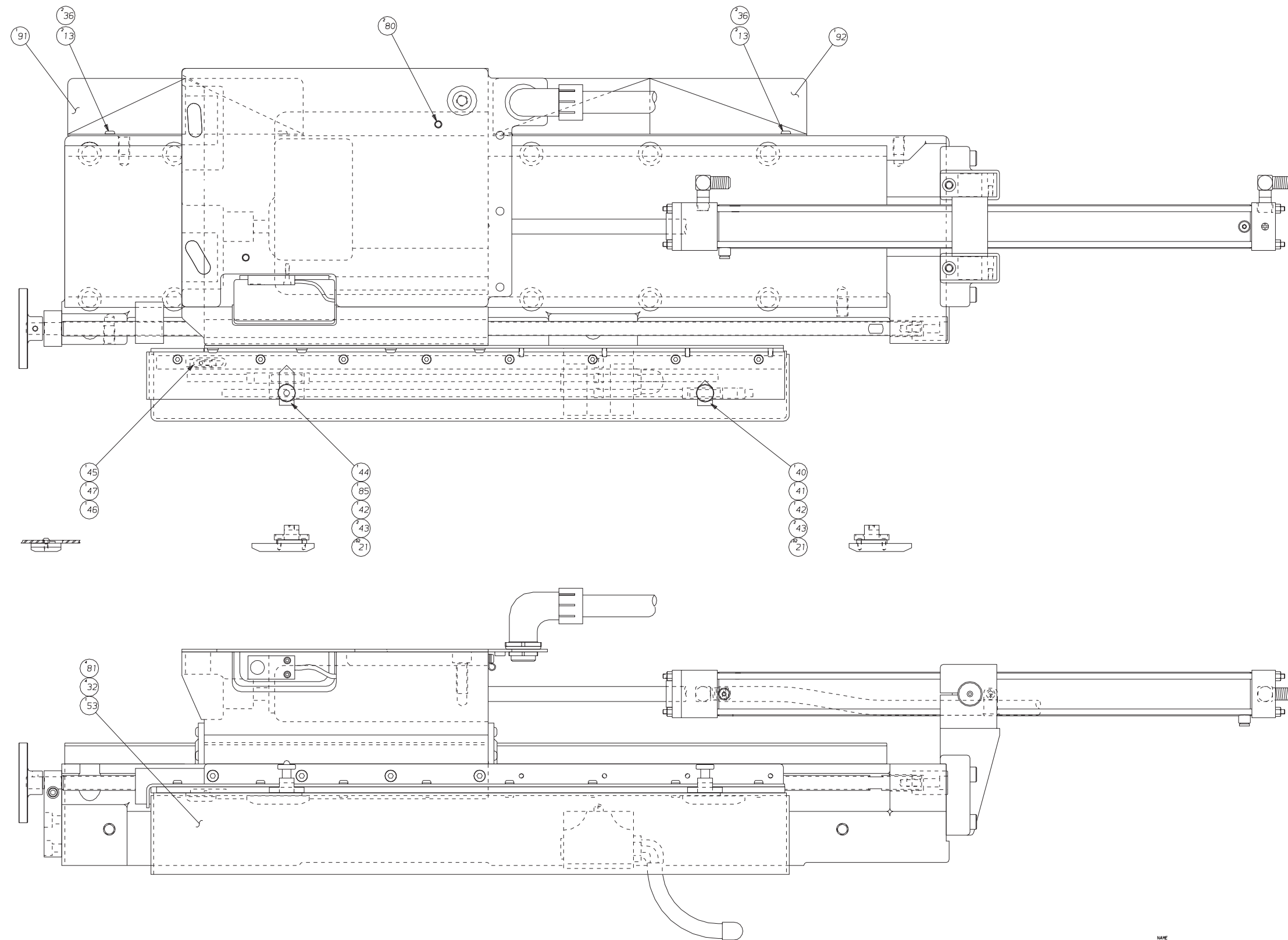
PART NUMBER  
SG-0000011  
SHEET 2 of 2

REV  
LEVEL  
A

# Sub-Base Assembly

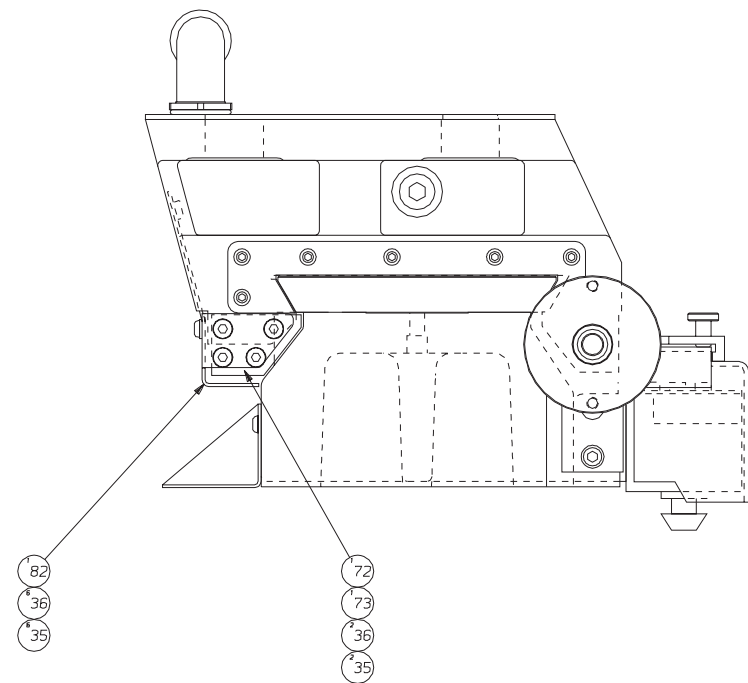
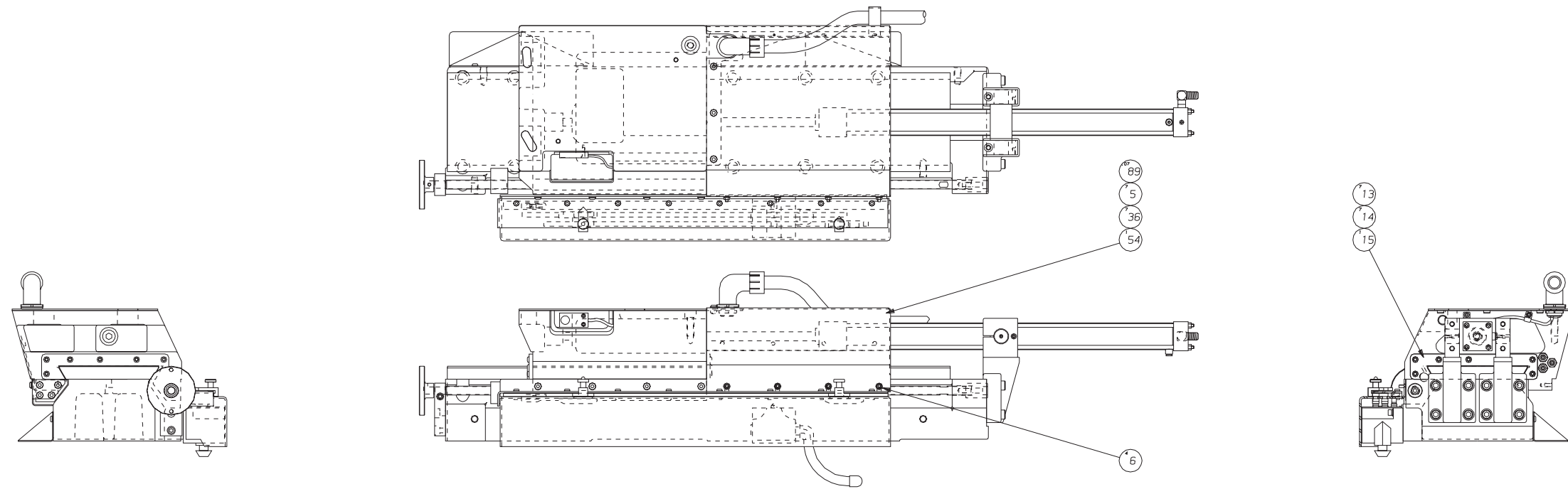


NAME	SUB-BASE ASSEMBLY (SG LONG BED)	PART NUMBER	SG-0000574-LB	REV	LEVEL
SHEET	1 of 4			C	



NAME	SUB-BASE ASSEMBLY (SG LONG BED)	PART NUMBER	SG-0000574-LB	REV.	B
SHEET	2	OF	4		

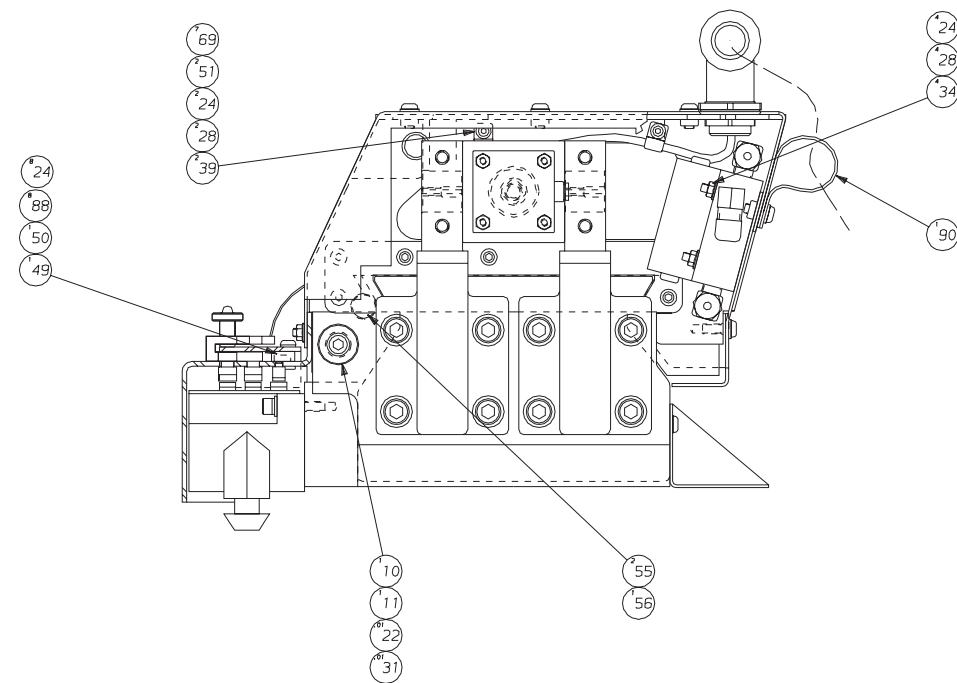
# Sub-Base Assembly



LEFT VIEW

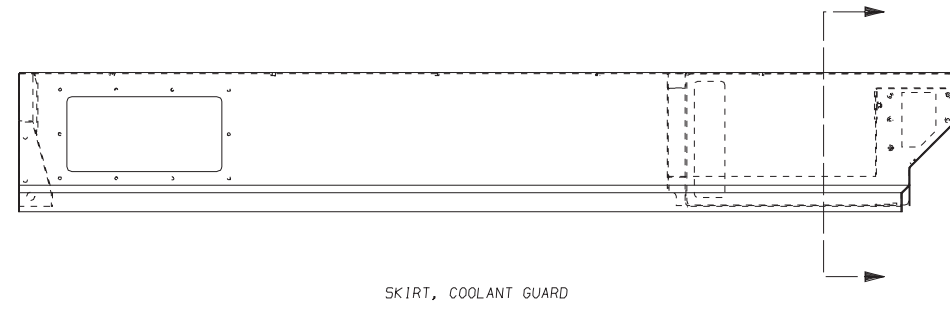
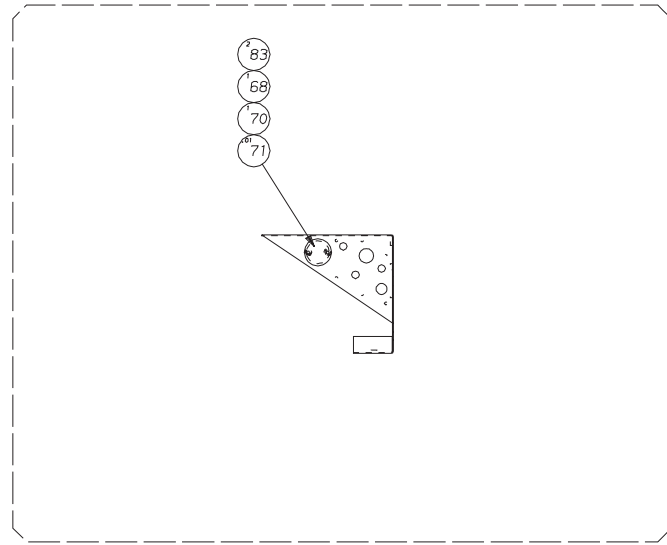
NOT SHOWN:

- 64
- 65
- 66
- 67



RIGHT VIEW

NAME SUB-BASE ASSEMBLY (SG LONG BED) PART NUMBER SG-0000574-LB SHEET 3 of 4 REV. LEVEL B

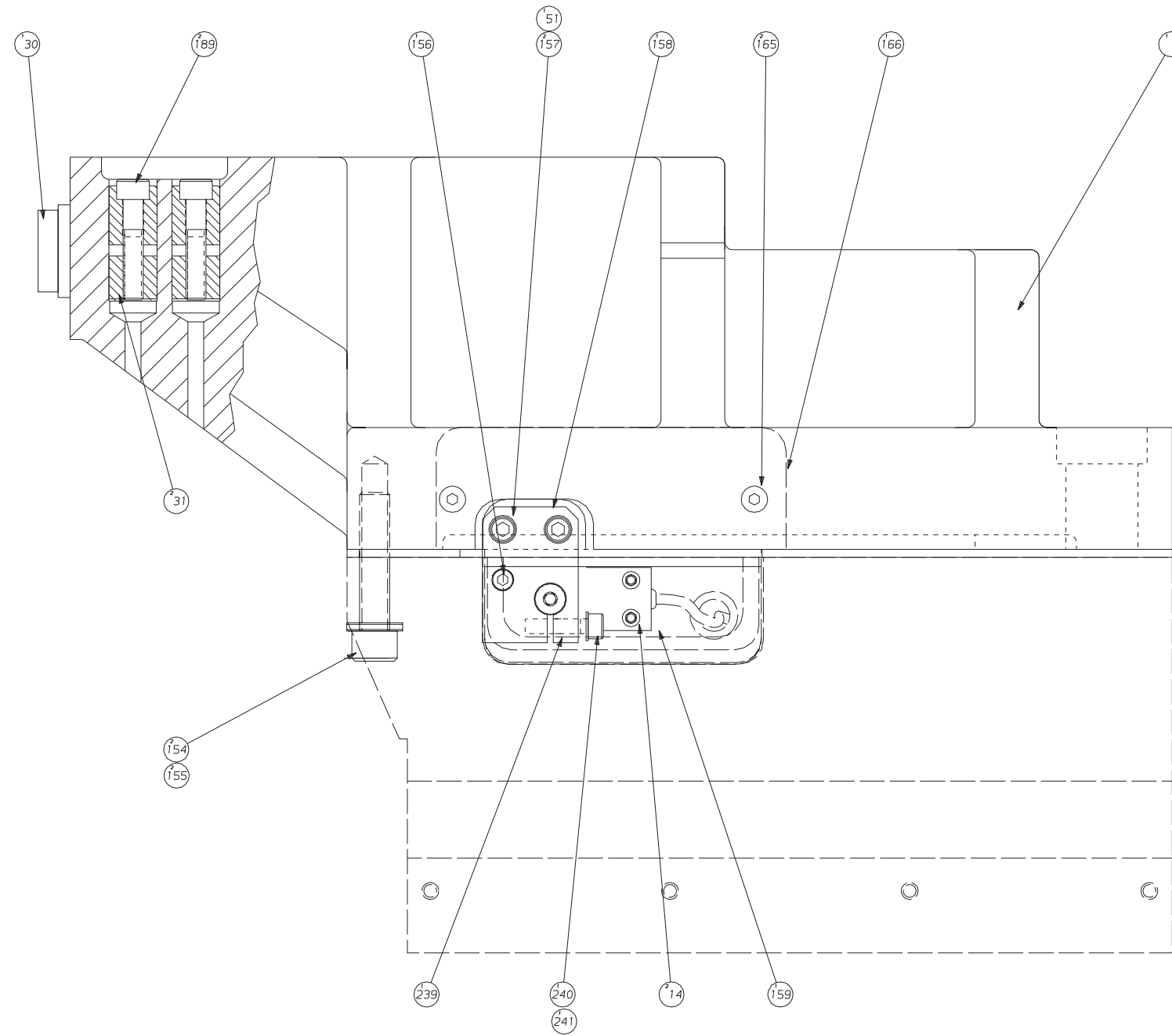


SKIRT, COOLANT GUARD

92	SG-0010115-RT	1	COVER, RT TAILSTOCK STUMP
91	SG-0010115-LT	1	COVER, LT TAILSTOCK STUMP
90	SBA-0009623	1	CLAMP, CABLE
89	3-0010884-01	0	ADHESIVE
88	MW-0263510	8	M5 WASHER, STAR
86	5-0010700-07	3	PLUG, LEE
85	CL-0009471-01	1	THUMBSCREW
84	VS-0010440	0	ANTI-SIEZE
83	MN-0283610	2	M6 NUT, FLANGE
82	SG-0002990-35-LB	1	SHIELD, UPPER TAILSTOCK
81	MS-0103615	4	M6 SCREW, SKHD CP x 12mm
80	CD-0004899	2	PIN, DOWEL-1/4"
79	SG-0009001-LB	1	SHIM, TAILSTOCK
78	CL-0011104	1	SHAFT, ADJUSTMENT
77	TL-0006708	1	PIN, DOWEL-1/4"
76	CL-0000302	1	HANDLE
75	MS-0103618	1	M6 SCREW, SKHD CP x 20mm
74	CL-0009816	1	BUSHING, STOP SCREW
73	CLA-0010116-30	1	SHIELD, WIPER
72	CL-0002990-36	1	CLAMP, WIPER
71	GE-0010884	0	SILICONE
70	SG-0010115-91	1	COVER, HOLE
69	HG-0007007	7	TUBING, 5/16" OD
68	SG-0004990-55	1	PLATE, HOLE COVER
67	LOA-0002415	1	LO CABLE MARKERS
66	L0D-0002413	1	LO CABLES
ITEM	PART NUMBER	QTY	DESCRIPTION

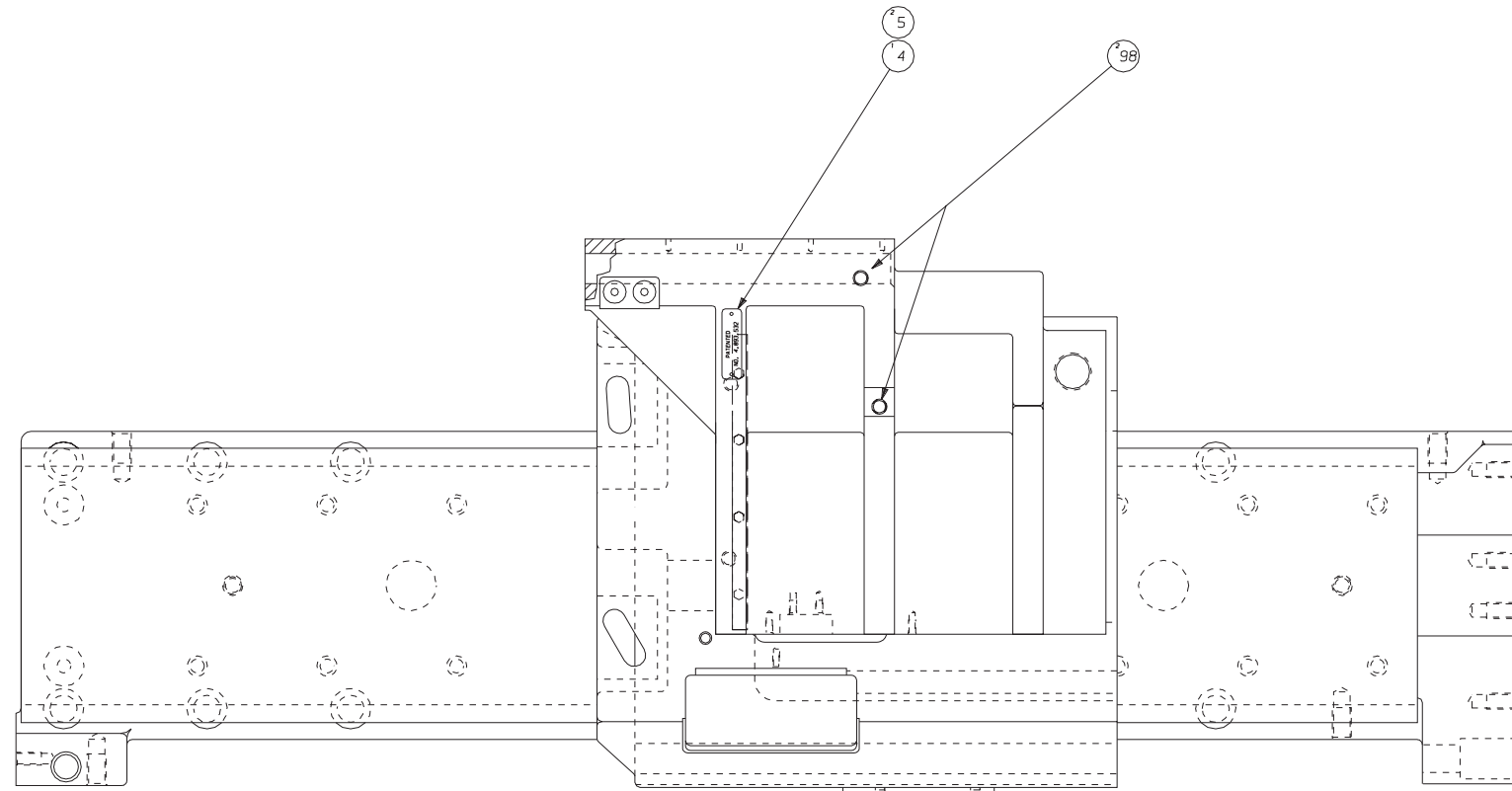
65	F3-0009977	1	CODE MARKERS
64	CK-0009188-20	1	FERRULES, 20AWG
63	AD-0010785-06	2	CONNECTOR, 90 DEG
62	CL-0010224-03	1	SWITCH, PROXIMITY
61	HG-0010229-02	4	CONDUIT, 3/4"
60	LO-0002548	1	ASSEMBLY INSTRUCTIONS
59	CL-0003990-01	1	GUARD, WIPER
58	AH-0007633	1	ASSEMBLY, CARRIAGE GIB
55	HM-0006160	2	SCREW, GIB
54	SG-0010115-28-LB	1	COVER, REAR TAILSTOCK
53	SG-0010115-27-LB	1	COVER, DOG SLOTS
51	MS-0303516	3	M5 SCREW, BUTT HD x 12mm
50	SG-0010115-26-LB	1	COVER, DOG
49	SG-0010481-LB	1	SPACER, COVER
47	MW-0263410	1	M4 WASHER, STAR
46	MS-0303414	1	M4 SCREW, BUTT HD x 8mm
45	CSB-0000571	1	DOG, LIMIT SWITCH
44	CL-0009623-03	1	CLAMP, DOG
43	MS-0103414	4	M4 SCREW, SKHD CP x 8mm
42	CL-0000571-02	2	DOG, LIMIT SWITCH
41	CSA-0009471-01	1	THUMBSCREW
40	CS-0009623-02	1	CLAMP, DOG
39	CH-0009623-02	2	CLAMP, CABLE-5/16"
36	MW-0263610	19	M6 WASHER, STAR
35	MS-0303615	8	M6 SCREW, BUTT HD x 10mm
34	MD-0002883-B	4	#10-32 NUT, HEX
33	SG-0000262-LBA	1	BED, TAILSTOCK ASSY
32	MW-0193610	6	M6 WASHER, LOCK
31	CS-0010994	0	GREASE
30	HG-0011259-06	2	FITTING, 90 DEG-3/4"
29	MW-0184010	8	M10 WASHER, FLAT
28	MW-0103510	7	M5 WASHER, FLAT
27	MS-0103822	2	M8 SCREW, SKHD CP x 40mm
26	MS-0103819	2	M8 SCREW, SKHD CP x 25mm
25	CL-0010215-09	1	BRACKET
24	MW-0183510	15	M5 WASHER, LOCK
23	CF-0009623	1	CLAMP, 5/8"
22	NC-0010884	0	ADHESIVE, LOCTITE #242
21	NC-0010884-01	0	ADHESIVE, LOCTITE #222
20	SG-0000492	1	NUT, PISTON
19	CL-0002840	1	WASHER, PISTON
17	MS-0103619	2	M6 SCREW, SKHD CP x 25mm
16	SG-0003011-LB	1	CABLE/SWITCH SUBASSY
15	NC-0008050	1	WIPER, CARRIAGE
14	MW-0103610	7	M6 WASHER, FLAT
13	MS-0303617	18	M6 SCREW, BUTT HD x 16mm
12	HCB-0008050	1	WIPER
11	MS-0103820	1	M8 SCREW, SKHD CP x 30mm
10	CL-0011104-01	1	BUSHING
9	SG-0000580	1	STOP
8	MS-0103416	2	M4 SCREW, SKHD CP x 12mm
6	MN-0283510	4	M5 NUT, FLANGE
5	MS-0303616	7	M6 SCREW, BUTT HD x 12mm
4	MS-0104022	8	M10 SCREW, SKHD CP x 40mm
3	CLA-0011348	2	BRACKET, CYLINDER MOUNT
2	SG-0002917-03	1	CYLINDER, TAILSTOCK
1	SG-0000574-TSLB	1	SUB-BASE, TAILSTOCK
ITEM	PART NUMBER	QTY	DESCRIPTION

NAME SUB-BASE ASSEMBLY (SG LONG BED) PART NUMBER SG-0000574-LB REV LEVEL A SHEET 4 of 4

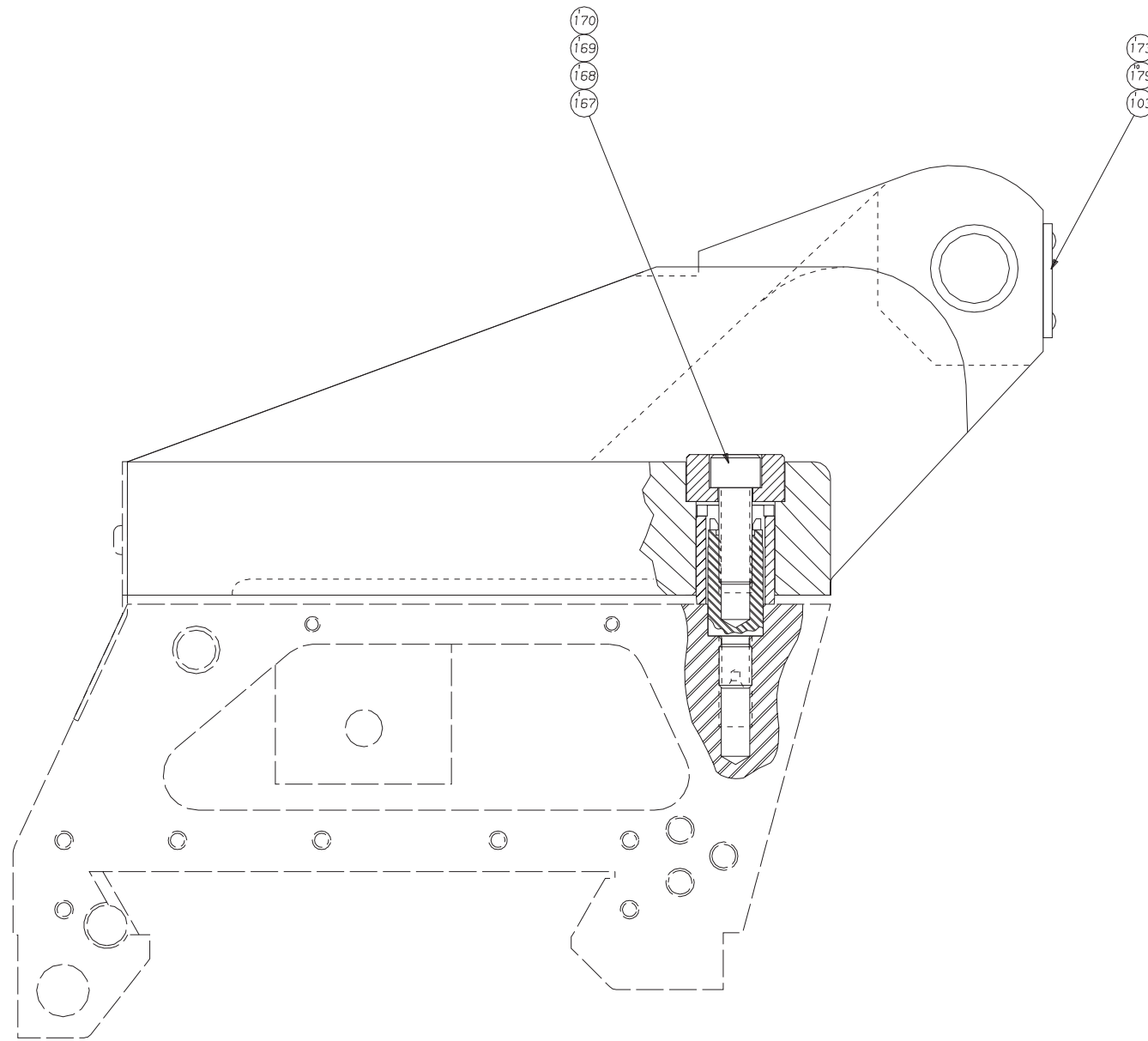


NAME TAILSTOCK PART NUMBER SG-000003-LB REV LEVEL A  
SHEET 1 of 3





NAME	TAILSTOCK	PART NUMBER	SG-000003-LB	REV.	
	SG LONG BED	SHEET	2 of 3	LEVEL	A



NOTE:  
SHOWN ON SG-0000574-LB ASSY DWG

NOTE:  
SHOWN ON SG-0000130 ASSY DWG

NOT SHOWN

24 26 191 233 234 235 236 237 238 465

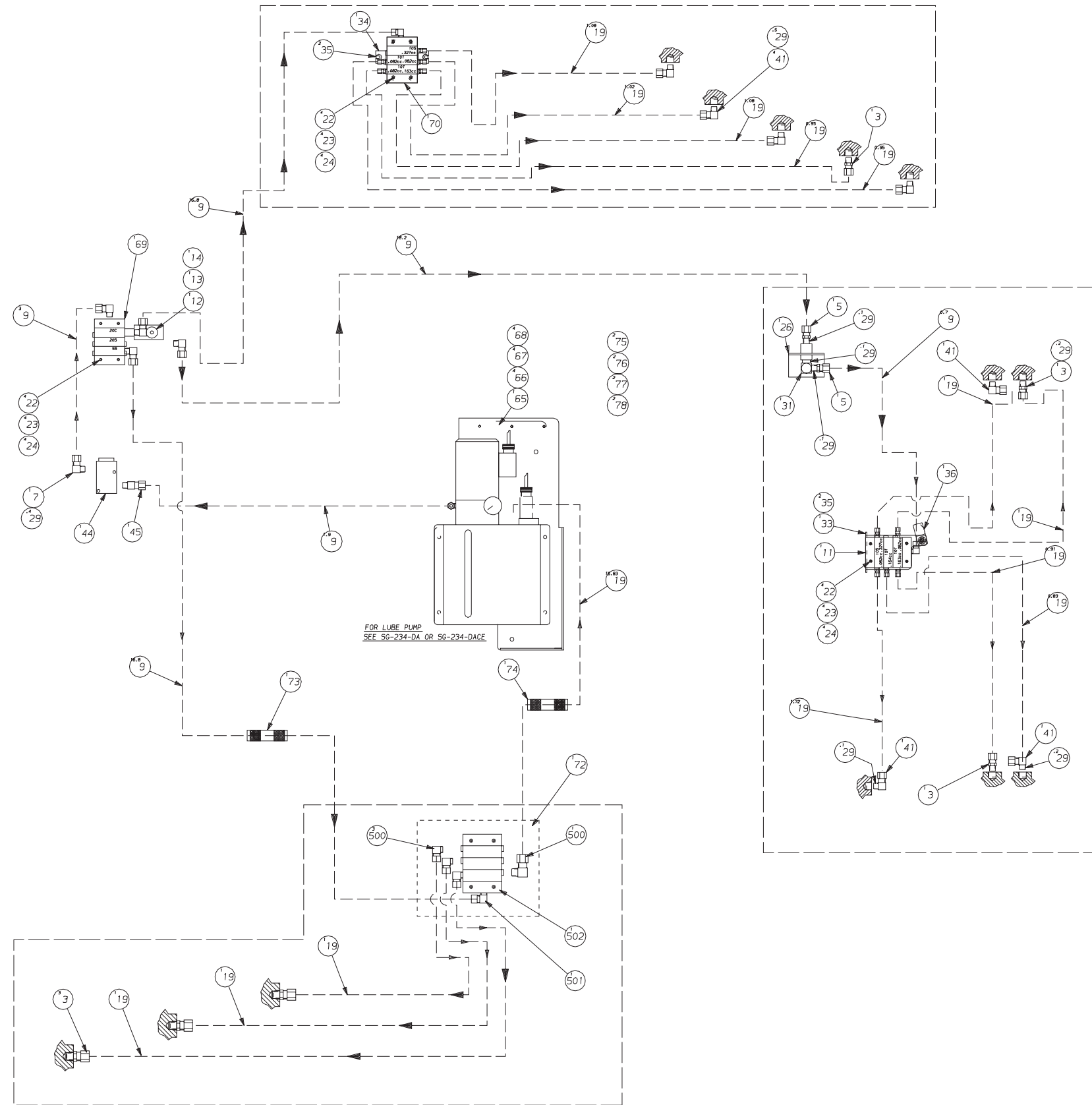
190 191 192

40 41 42 44 45

465	NC-0009623-01	1	TIE, CABLE
241	MW-0193610	1	M6 WASHER, LOCK
240	MS-0103619	1	M6 SCREW, SHCS x 25mm
239	CL-0011108	1	BUTTON, ACTUATOR
238	SO-0010226	1	SEAL RING
237	AH-0011508	1	LOCKNUT
236	DB-0009207-9F	1	GROMMET
235	DB-0009207-W	1	WASHER
234	DB-0009207-9A	1	BODY
233	DB-0009207-9B	1	NUT
192	MW-0263510	5	WASHER
191	MS-0303515	6	SCREW
190	SG-0010115-89	1	COVER, SIDE
189	SB-0000635-5	2	SCREW
179	CS-0011032	10	CLIPS, NYLON ARROW
173	SG-0006916-01	1	BUMPER
170	CL-0011052	1	PIVOT
169	CSA-0011304	1	SLEEVE, ECCENTRIC
168	CS-0003230-02	1	WASHER, CLAMP
167	MS-0104221	1	M12 SCREW, SHCS x 35mm
166	SG-0010115-69	1	COVER, SWITCH
165	MS-0303615	2	M6 SCREW, BHSS x 10mm
159	CS-0010224-07	1	SWITCH, PROXIMITY
158	CL-0011292	1	ACTUATOR, SWITCH
157	MS-0103618	2	M6 SCREW, SHCS x 20mm
156	MS-0573819	1	M8 SCREW, SSCS x 25mm
155	CS-0003230-01	2	WASHER, TS BASE
154	MS-0104225	2	M12 SCREW, SHCS x 55mm
103	CS-0010884-04	1	ADHESIVE, BLACK INSTANT
98	MS-0574218	2	M12 SCREW, SSFP x 20mm
51	NC-0010884	1	LOCTITE, ADHESIVE
45	LO-0002701	1	INSTR. LESS LOAD METER
44	MW-0193310	3	WASHER, LOCK
42	MN-0113310	2	NUT, HEX
41	SG-0010116	1	GASKET, LOAD METER
40	SG-0010115-42	1	COVER, LOAD METER
31	CSA-0000635	2	NUT, BINDING
30	CS-0004144-EB	1	BUSHING, ECCENTRIC
26	12-0009207-38	1	GRIP, CORD
24	CS-0011780-01	1	SPRING, CONTINUOUS LENGTH
14	MS-0103416	2	M4 SCREW, SHCS x 12mm
5	R-0008044	2	PIN ESCUTCHEON
4	CS-0010366-39	1	LABEL, PATENT NO.
1	SG-0000401	1	TAILSTOCK, SG
ITEM	PART NUMBER	QTY	DESCRIPTION

NAME  
TAILSTOCK

PART NUMBER  
SG-0000003-LB  
SHEET 3 of 3  
REV LEVEL  
A



502	CL-0010234-13	1	BLOCK, MANIFOLD-TAILSTOCK
501	SG-0007702-A6	1	MALE ELBOW 1/40D x 1/4NPT
500	SG-0007702-A12	4	ELBOW, MALE SWIV 5/320D X
78	DB-0009207-W	2	WASHER CONNECTOR
77	DB-0009207-9F	2	GROMMET
76	DB-0009207-9B	2	NUT CONNECTOR COMPRESS
75	DB-0009207-9A	2	BODY CONNECTOR
74	VL-0007702-20	1	FITTING, UNION 5/32 BRASS
73	VL-0007702-21	1	FITTING, UNION 1/4 BRASS
72	CL-0010234-TT5	1	TAILSTOCK LUBE, TRABON
70	SG-0003048-T1	1	BLOCK, MANIFOLD FEEDER
69	SG-0003048-T	1	BLOCK, MASTER LUBE FEEDER
68	MW-0103810	4	M6 WASHER FLAT
67	MW-0193810	4	M6 WASHER LOCK
66	MS-0103810	4	M6 SCREW SKHD X 20 mm
65	SG-0002990-32-T1	1	BRACKET LUBE TANK
45	SG-0007702-A3	1	CONNECTOR, MALE 1/40D X 1/
44	SG-0011614-T	1	FILTER
41	SG-0007702-A12	7	ELBOW, MALE SWIV 5/320D X
36	CH-0009623-02	1	CLAMP, CABLE
35	MS-0103419	4	SCREW, SHCS M4-0.70 x 25m
34	SG-0003990-43-T	1	BRACKET, CARRIAGE LUBE
33	SG-0003990-44-T	1	BRACKET, CROSS SLIDE LUBE
31	CT-0007709-01	1	ELBOW, 90 DEG.
29	SB-0010884-5	1.7	SEALANT, HYDRAULIC
26	CL-0002990-34	1	BRACKET, LUBE LINE
24	MW-0183610	12	M6 REG. LOCKWASHER
23	MW-0103610	12	WASHER, FLAT M6-1.0 ST
22	MS-0103622	12	SCREW, SOC HD CAP M6-1.0 X
19	SG-0007007-T	30.37	TUBING, 5/32 OD OD
14	AH-0011508	1	NUT, LOCK
13	50-0010226	1	GASKET ASSEM. 1/2 INCH
12	18-0009207-50	1	GRIP, CORD .187-.312 1/2
11	SG-0003048-T2	1	BLOCK, MANIFOLD LUBE FEEDER
9	HG-0007007-02	57.4	TUBING, 1/4 OD
7	SG-0007702-A9	1	ELBOW, MALE SWIV 1/40DX 1/
5	SG-0007702-A2	2	CONNECTOR, MALE 1/40D X 1
3	SG-0007702-A10	6	MALE CON. 5/320D X 1/8NPT
ITEM	PART NUMBER	QTY	DESCRIPTION

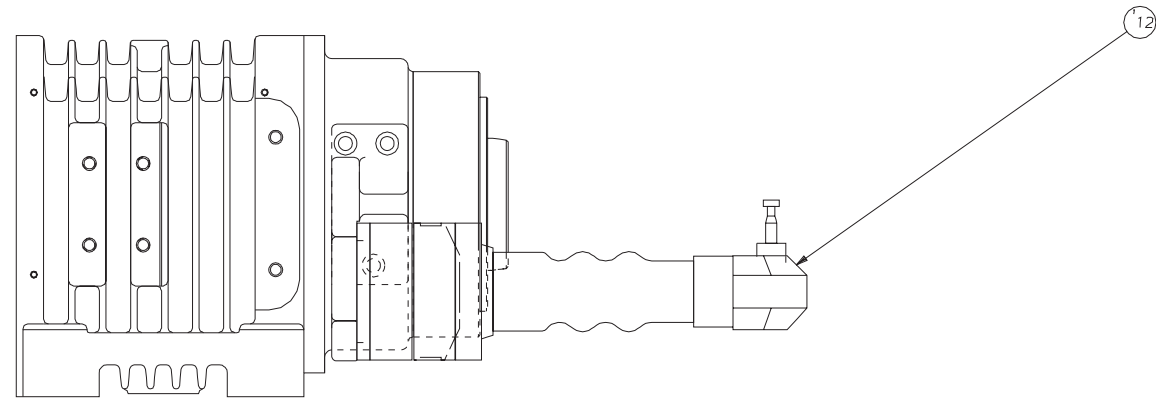
NAME  
TRABON LUBE - SG42 LONG BED

PART NUMBER  
SG-0000234-TLB

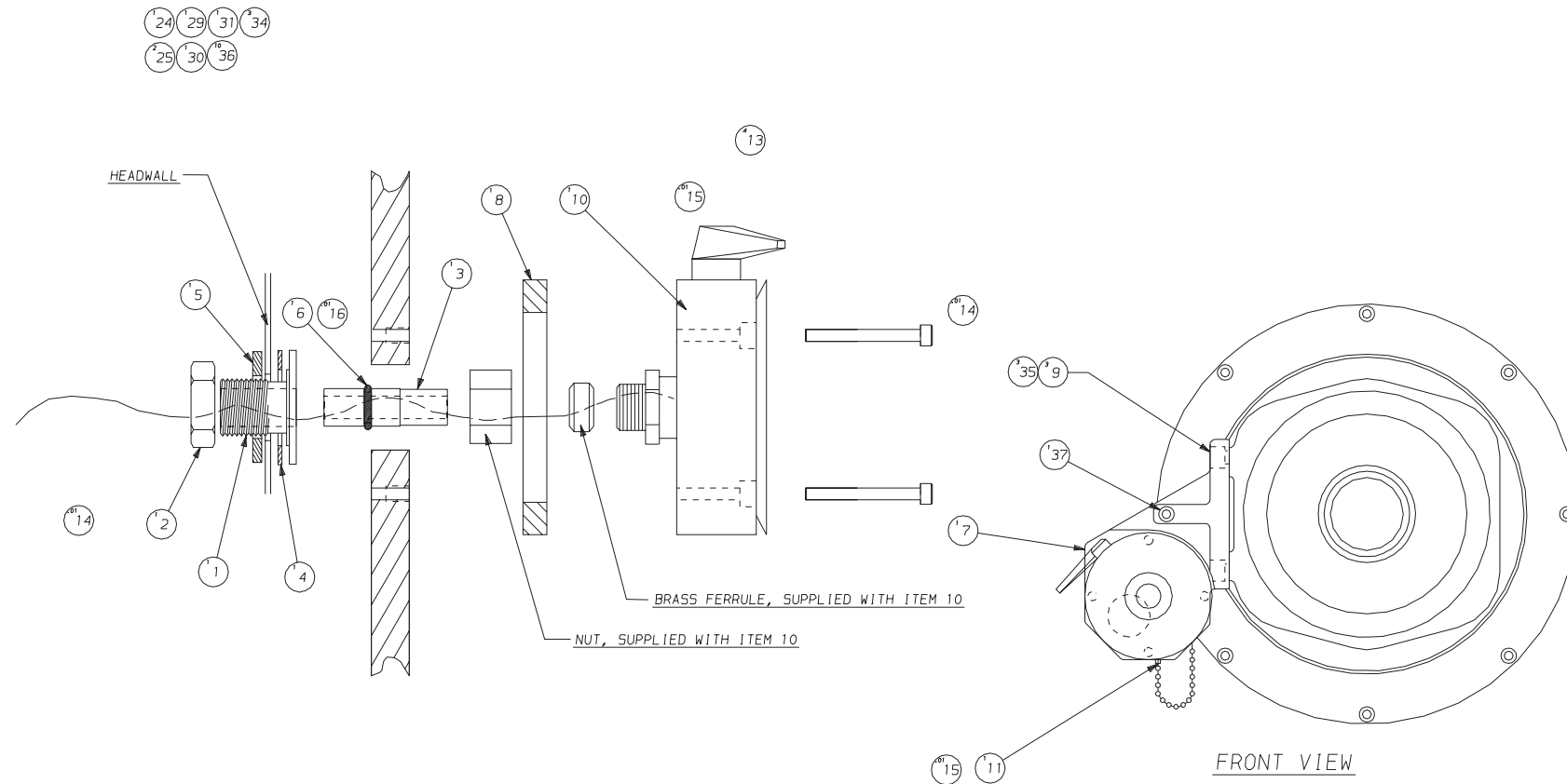
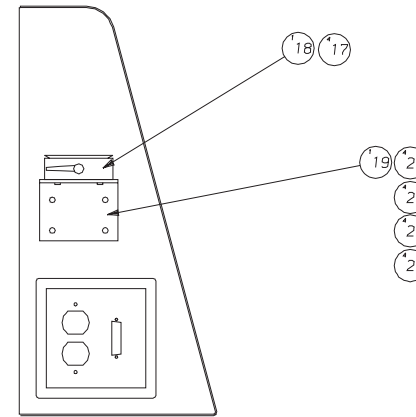
REV  
LEVEL  
D

SHEET  
1 of 1

# Tool Probe Assembly



SIDE VIEW

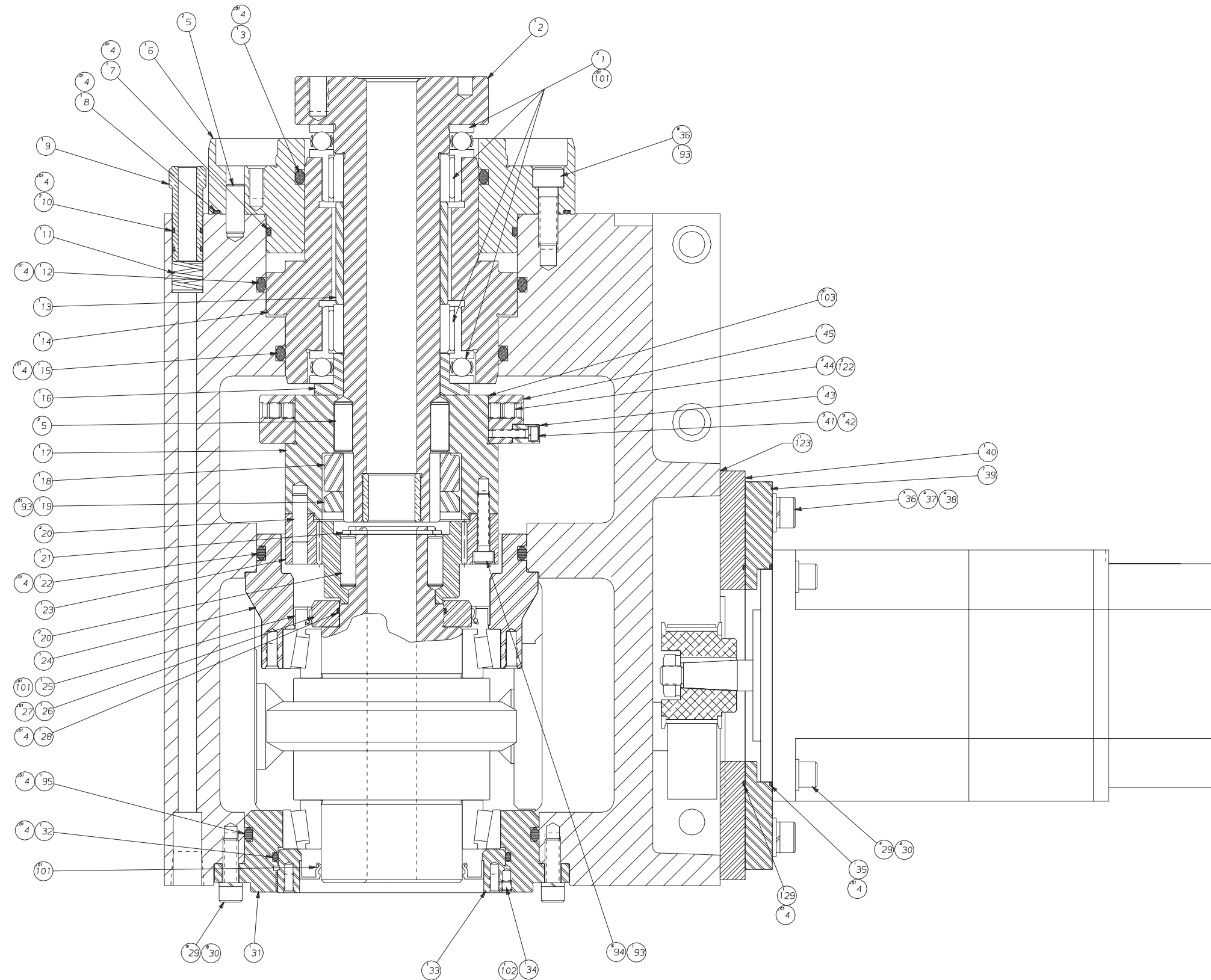


FRONT VIEW

37	MS-0313517	1	SCREW, M5x.8x17MM FLAT HD
36	F3-0009977-02	10	WIRE
35	MW-0193810	3	LOCKWASHER M8
34	221-0002874-BU	3	WIRE
31	CK-0009188-20	1	FERRULES
30	SG-0012042-CEDB	1	DATABASE
29	M-0009500-0246	1	MANUAL, DATUM & TOOL SET
25	F3-0009977	2	CODE MARKER F3
24	CN-0002536-C	1	CIRCUIT BOARD
23	MN-0283610	4	NUT, HEX FLANGE M6
22	MW-0193610	4	WASHER, LOCK M6
21	MW-0103610	4	WASHER, FLAT M6
20	MS-0103617	4	SCREW, M6
19	SG-0010215-15	1	BRACKET, TOOL PROBE
18	SG-0002536-01	1	STAND, ARM STORAGE
17	MS-0103420	4	SCREW
16	RF-0010994	0	M-55 GREASE
15	NC-0010884-01	0	LOCTITE 222
14	NC-0010884	0	LOCTITE 242
13	MS-0103422	4	SCREW
12	SG-0002536-PA	1	PROBE ARM ASSY.
11	MS-0303414	1	SCREW, M4 X .7
10	HG-0002536-01	1	BASE
9	MS-0103818	3	SCREW, M10 X 1.5
8	SG-0002536-02	1	BRACKET, BASE
7	SGA-0011931-TP	1	BRACKET, PROBE
6	OR-0000608	1	O-RING
5	U-0003998	1	WASHER
4	CS-0010116-23	1	WASHER
3	HG-0011776	1	HOUSING
2	NC-0001950-01	1	NUT, LOCK
1	HG-0011776-01	1	HOUSING
ITEM	PART NUMBER	QTY	DESCRIPTION

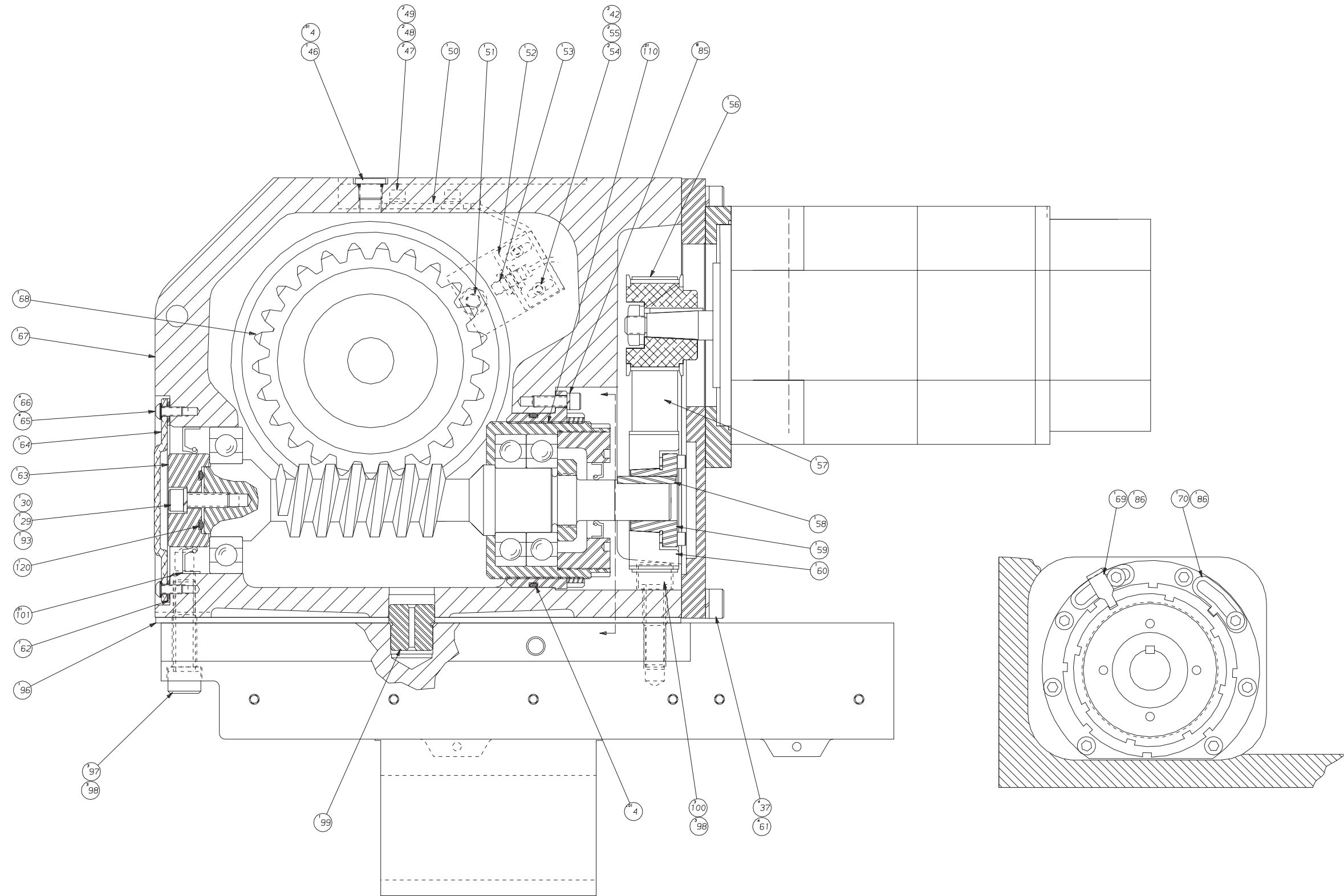
NAME  
TOOL TOUCH OFF ASSEMBLY

PART NUMBER  
LO-0002632-CE  
SHEET 3 of 3  
REV LEVEL  
B

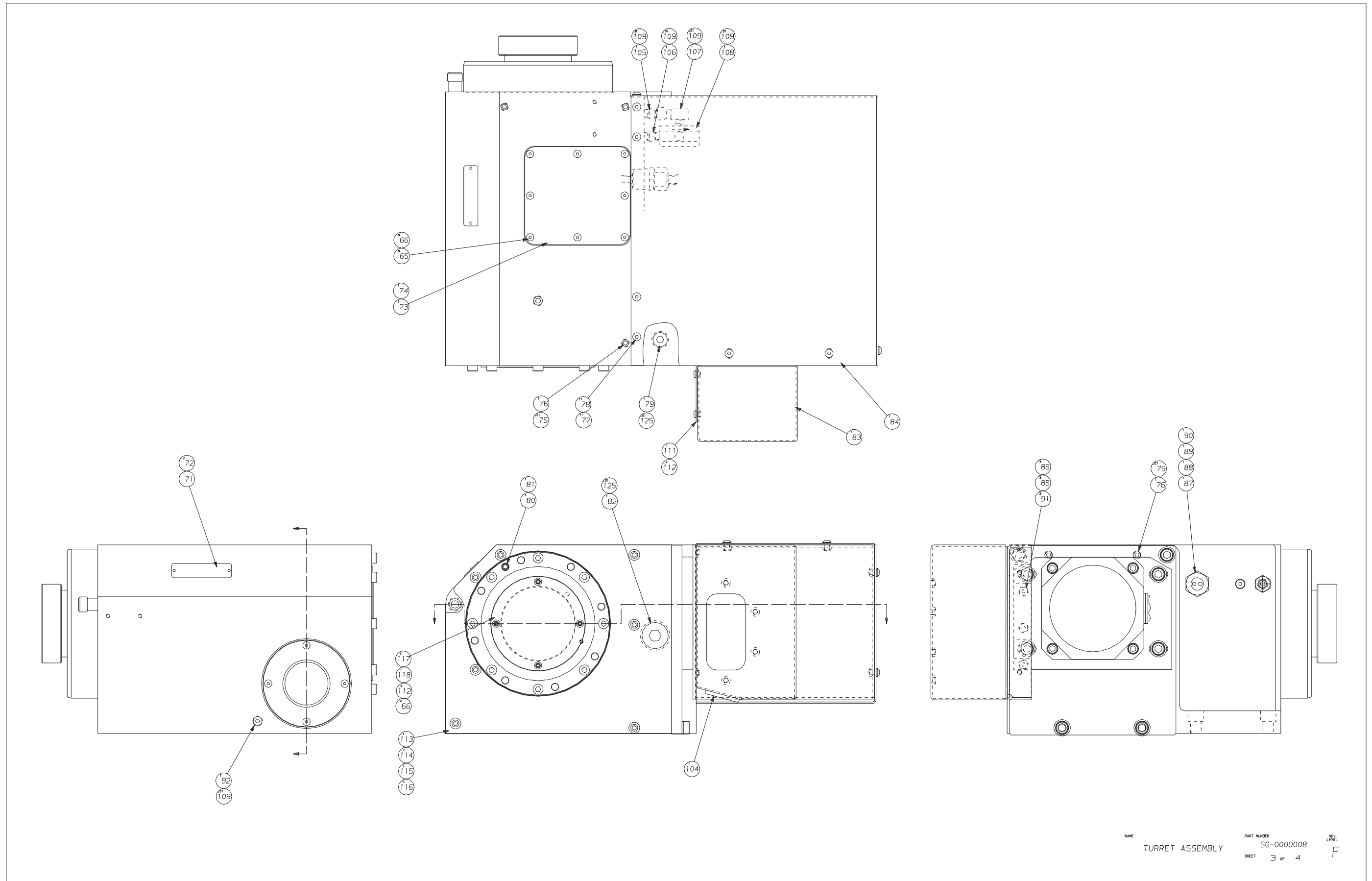


NAME	TURRET ASSEMBLY	PART NUMBER	SG-0000008	REV	F
SHEET	1 of 4				

# Turret Assembly



NAME	TURRET ASSEMBLY	PART NUMBER	5G-000008	REV.	
SHEET	2 of 4			E	



NAME	PART NUMBER	REV
TURRET ASSEMBLY	SG-0000008	LEVEL
	SHEET 3 of 4	F



# Turret Assembly

NOT SHOWN

(126) (127) (128)

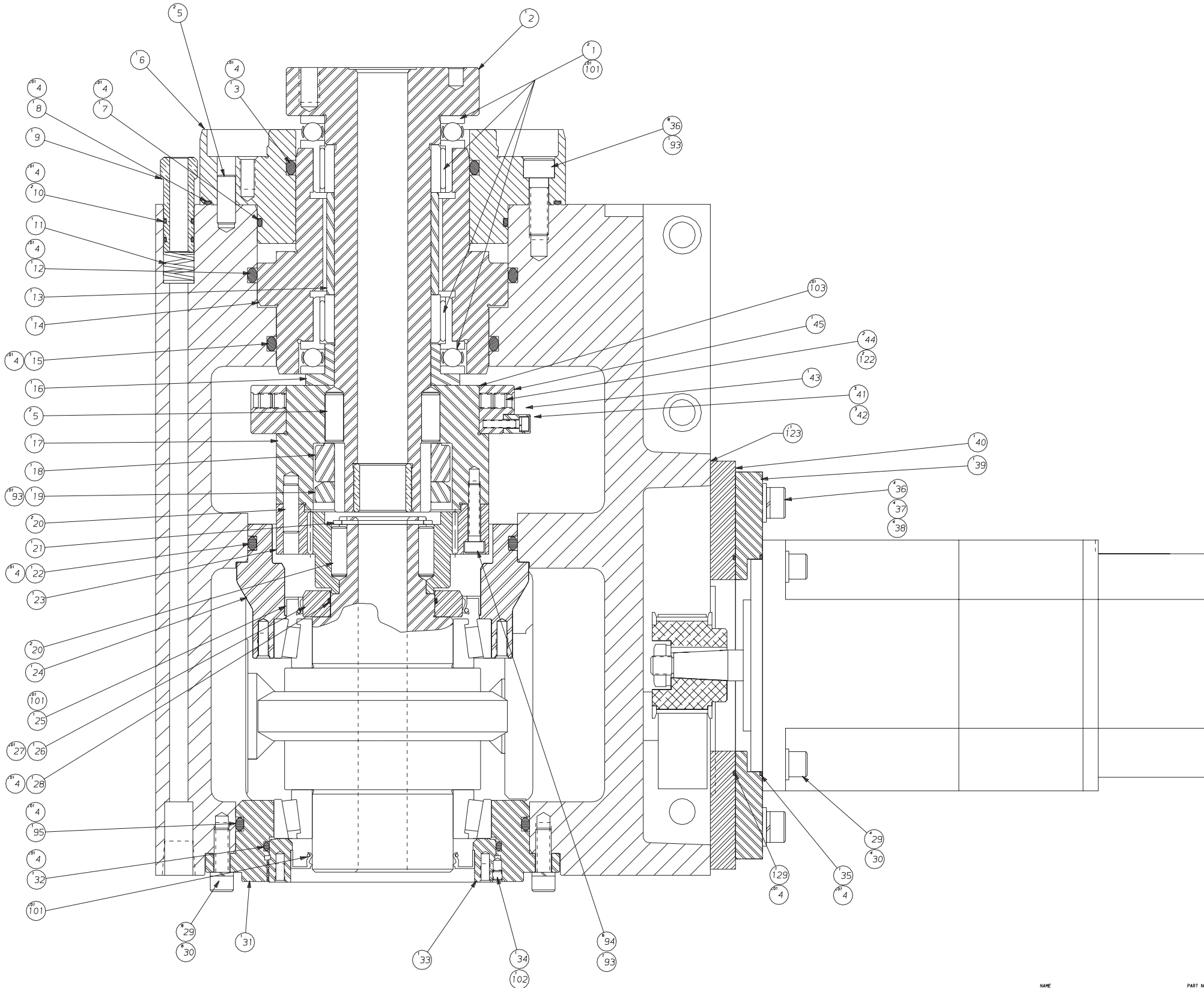
129	OR-0006872	1	O-RING
128	CC-0006966	4	CLAMP, HOSE
127	VL-0007703-09	2	ELBOW, 90°
126	KH-0008384	2	/CONNECTOR, HOSE
125	SB-0010884-5	.02	SEALANT, HYDRAULIC
123	HG-0010884	.1	SEALANT, ULTRA BLUE #77B
122	MS-0483815	2	SCREW, SOC SET/BR5 TIP
120	OR-0001418	1	O-RING
118	SG-0010116-79	1	GASKET, ADJUSTING NUT
117	SG-0020115-34	1	COVER, ADJUSTING NUT
116	MW-0183810	7	WASHER, LOCK M8
115	MW-0103810	7	WASHER, FLAT M8
ITEM	PART NUMBER	QTY	DESCRIPTION

114	MS-0303815	7	SCREW, BH M8 x 10
113	SG-0020115-38	1	COVER, TURRET END
112	MS-0303514	8	SCREW, BH M5 x 8
111	SG-0010115-82	1	COVER, JUNCTION BOX
110	SG-0010884	.01	SEALANT, GASKET
109	SB-0010884-5	.05	SEALANT, HYDRAULIC
108	CS-0011452-03	1	VALVE, FLOW CONTROL
107	CS-0007703-12	1	SWIVEL, 90°
106	CS-0008384-01-M	1	ADAPTER, METRIC
105	CS-0008384-M	1	ADAPTER, METRIC
104	CL-0009532-01	1	GROMMET
103	VS-0010440	.01	ANTI-SEIZE GREASE
102	NC-0010884-01	1	LOCTITE #222
101	CS-0010994	.04	GREASE
100	MS-0104223	3	SCREW
99	CS-0004630-01	1	PIN, PIVOT
98	MW-0194210	6	L. WASHER
97	MS-0104224	3	SCREW
96	SG-0009002	1	PLATE, SHIM
95	OR-0009096	1	O-RING
94	MS-0103620	6	SCREW
93	NC-0010884	3.01	LOCTITE ADHESIVE
92	CS-0001467-01	1	PLUG, PIPE
91	MS-0103616	3	SCREW
90	DB-0009207-9B	1	NUT CONNECTOR
89	DB-0009207-6A	1	BODY CONNECTOR
88	DB-0009207-W	1	WASHER CONNECTOR
87	DB-0009207-9H	1	GROMMET CONNECTOR
86	MW-0103610	5	WASHER
85	MW-0193610	11	L. WASHER
84	SG-0010115-84	1	COVER, TURRET INDEX MOTOR
83	SG-0020115-20	1	MOUNT, JUNCTION BOX ASSEM
82	HM-0009215	1	PIPE PLUG, 1"
81	CL-0010912	1	OIL, GEAR BOX
80	062-0001467	1	PLUG, PIPE
79	TM-0006992	1	PLUG, PIPE
78	MS-0303616	11	SCREW
77	MW-0263610	11	WASHER
76	MS-0554015	2	SCREW, SET
75	LT-0010884-5	.02	SEALANT, PIPE
74	SG-0010116-5A	1	GASKET, WORM GEAR ACCESS
73	SG-0010115-6A	1	COVER, WORM GEAR ACCESS
72	R-0008044	2	PIN, ESCUTCHEON
71	CS-0010302-02	1	TAG, CAUTION-PINCH POINT
70	SG-0004990-50	1	TAB (INNER)
69	SG-0004990-51	1	TAB (OUTER)
68	SG-0006199	1	GEAR BOX UNIT
67	SG-0007201	1	TURRET
66	MW-0263510	16	WASHER
65	MS-0303516	12	SCREW
64	SG-0020115-32	1	COVER, WORM GEAR ACCESS
63	SG-0011137	1	RETAINER, BEARING
62	SG-0010116-80	1	GASKET, WORM GEAR ACCESS
61	MS-0104021	4	SCREW
60	SG-0004053-02	1	PULLEY, INDEX TURRET GEAR
59	SG-0011682-01	1	BUSHING, CLAMP
58	SG-0006115-02	1	KEY, TURRET GEAR BOX PULL
ITEM	PART NUMBER	QTY	DESCRIPTION

57	SG-0003346-12	1	BELT, 400-5M-25
56	SGA-0003177-11	1	PULLEY, ASSEMBLY 32T
55	MW-0103410	2	WASHER
54	MS-0103415	2	SCREW
53	CL-0010224-01	1	SWITCH
52	CSA-0001976-01	1	BRACKET, TURRET HOME SWIT
51	CL-0010224-02	1	SWITCH
50	SG-0001976-02	1	BRACKET, TURRET UP/DOWN
49	MW-0103510	2	WASHER
48	MW-0193510	2	L. WASHER
47	MS-0103516	2	SCREW
46	SG-0007703-02	1	PLUG, HOLLOW HEX
45	SG-0004025	1	RING FOR HOME SWITCH
44	MS-0553814	2	SCREW, SET
43	SG-0004025-01	1	BLOCK, HOME SWITCH RING
42	MW-0193410	5	L. WASHER
41	MS-0103418	3	SCREW
40	SGA-0001991-08	1	PLATE, REAR
39	SG-0001991-06	1	PLATE, MOUNTING TUR INDEX
38	MW-0104010-H	4	WASHER
37	MW-0194010	8	L. WASHER
36	MS-0104020	12	SCREW
35	OR-0006870	1	O-RING
34	MS-0553512	1	SCREW
33	SG-0000492-07	1	NUT, ADJUSTING
32	OR-0007478	1	O-RING
31	SG-0003969-0	1	SUPPORT, GEAR (OUTER)
30	MW-0193810	13	L. WASHER
29	MS-0103819	13	SCREW
28	OR-0003436	1	O-RING
27	CN-0010884	.01	ADHESIVE
26	SG-0009259-02	1	SLEEVE
25	SG-0011198-16	1	SEAL
24	SG-0003969-1	1	SUPPORT, GEAR (INNER)
23	CSA-0011792-A	1	COUPLING, TURRET GEAR
22	OR-0008288	1	O-RING
21	CS-0008231	1	RING, RETAINING
20	NC-0006709	4	PIN, DOWEL
19	CS-0009050	1	NUT, LOCK AN10
18	CS-0001950	1	NUT, LOCK
17	CSA-0011492-01	1	HOUSING, INDEX SHAFT
16	CS-0001799-15	1	SPACER, BEARING
15	CS-0009431-12	1	O-RING
14	CSA-0011455	1	PISTON, TURRET
13	CS-0001799-14	1	SPACER, BEARING
12	CS-0009431-13	1	O-RING
11	SG-0009764	1	SPRING
10	OR-0000810	2	O-RING
9	SG-0007011	1	BUSHING, COOLANT
8	CS-0009431-10	1	O-RING
7	CS-0009431-14	1	O-RING
6	CSA-0011492	1	HOUSING, PISTON
5	CS-0004630-03	4	DOWEL PIN, PULL OUT
4	RF-0010994	.14	GREASE, SILICON
3	CS-0009431-11	1	O-RING
2	CSB-0011264	1	SHAFT, INDEX
1	CS-0004140-01	2	BEARING, THRUST BALL AND N
ITEM	PART NUMBER	QTY	DESCRIPTION

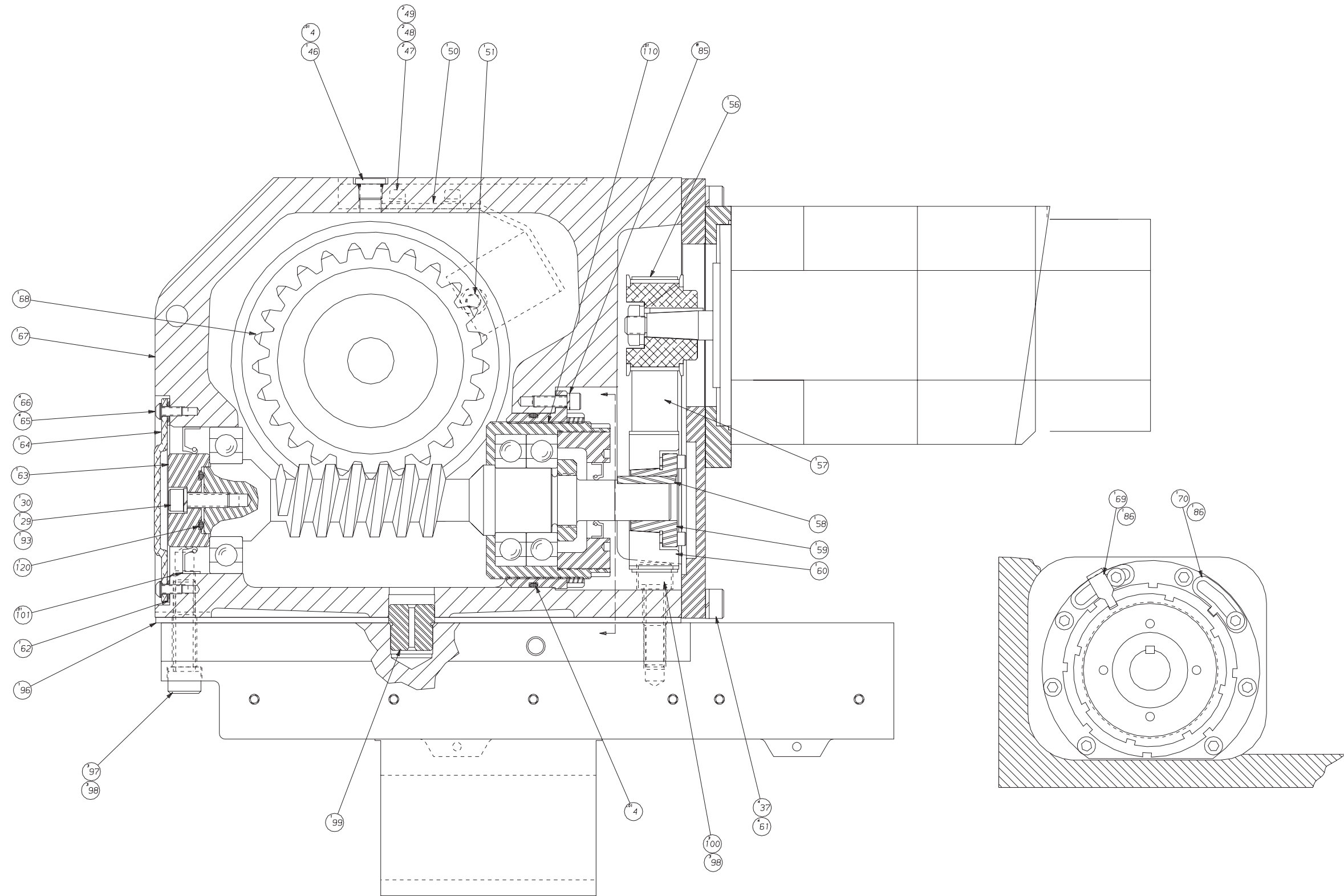
NAME TURRET ASSEMBLY PART NUMBER SG-0000008 REV LEVEL C  
SHEET 4 of 4



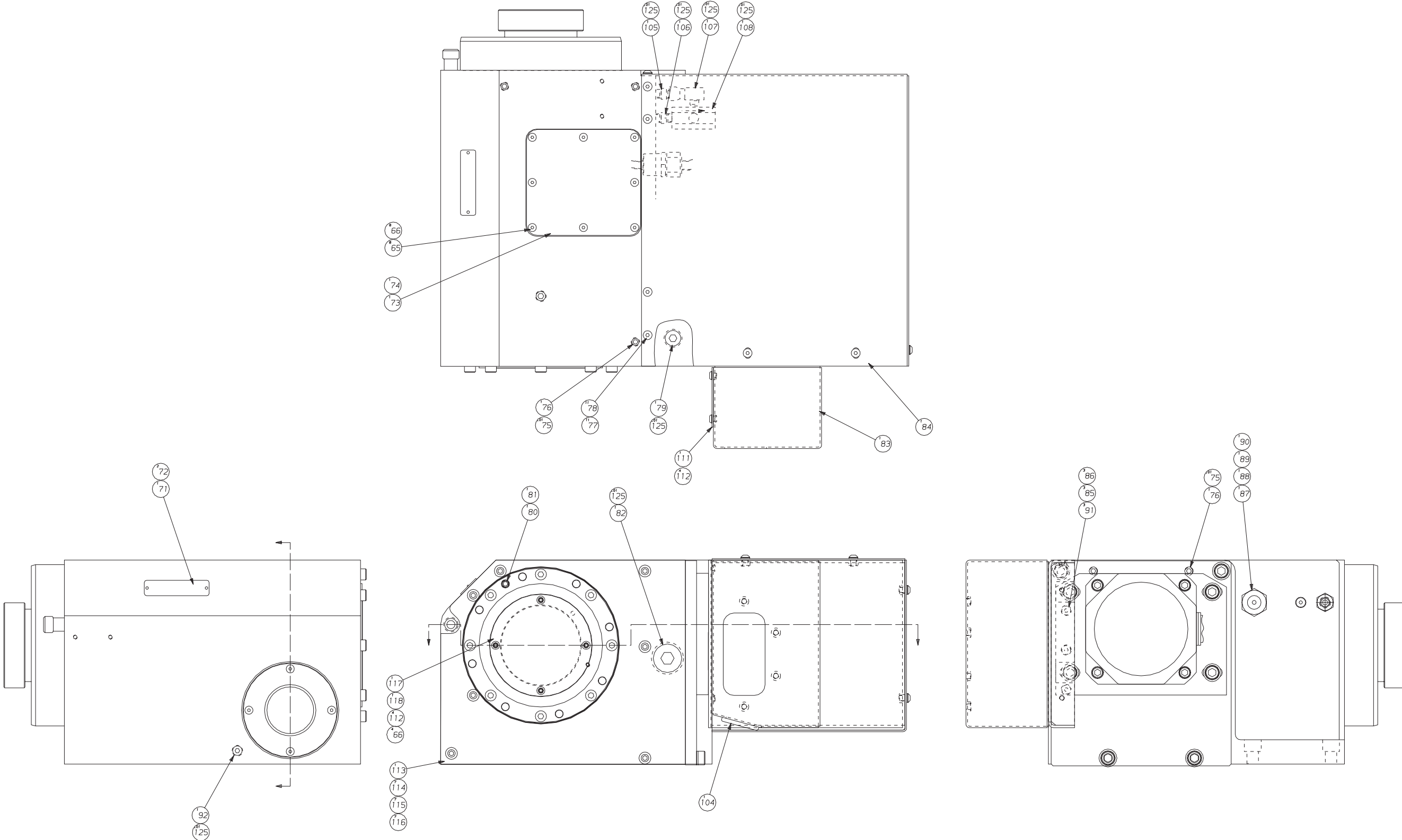


NAME TURRET ASSEMBLY (ABSOLUTE ENCODER)      PART NUMBER SG-0000008-A      REV. LEVEL B  
 SHEET 1 of 4

# Turret Assembly, equipped with Absolute Encoder



NAME TURRET ASSEMBLY (ABSOLUTE ENCODER) PART NUMBER SG-000008-A REV LEVEL A  
 SHEET 2 of 4



NAME TURRET ASSEMBLY (ABSOLUTE ENCODER) PART NUMBER SG-0000008-A REV LEVEL B SHEET 3 of 4

# Turret Assembly, equipped with Absolute Encoder

129	OR-0006872	1	O-RING
128	CC-0006966	4	CLAMP, HOSE
127	VL-0007703-09	2	ELBOW, 90 DEG
126	KH-0008384	2	CONNECTOR, HOSE
125	SB-0010884-S	1.0	SEALANT, HYDRAULIC
123	HG-0010884	.1	SEALANT, ULTRA BLUE #77B
122	MS-0483815	2	M8 SCREW, SSBT x 10mm
ITEM	PART NUMBER	QTY	DESCRIPTION

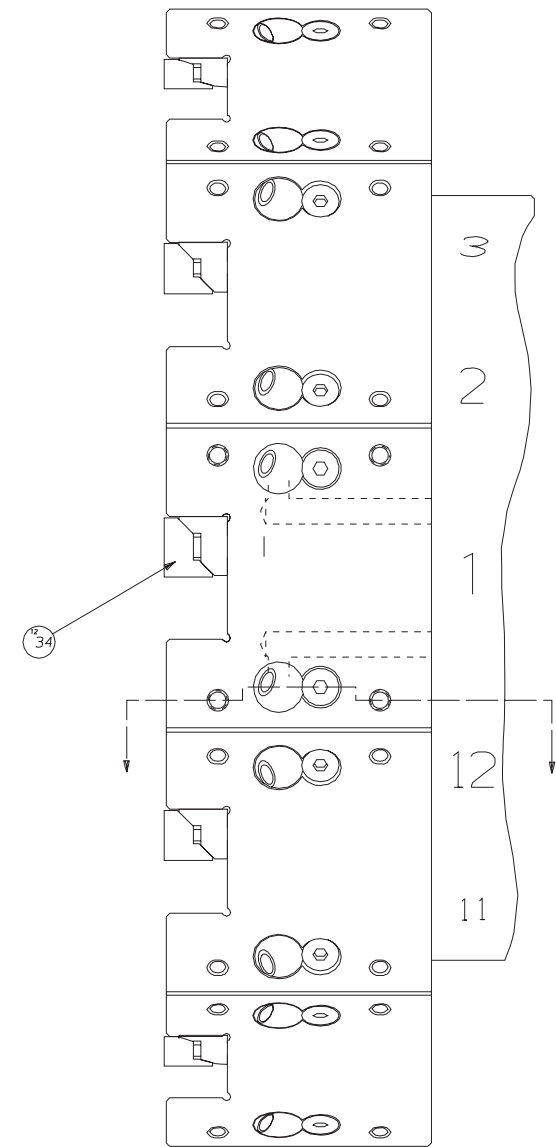
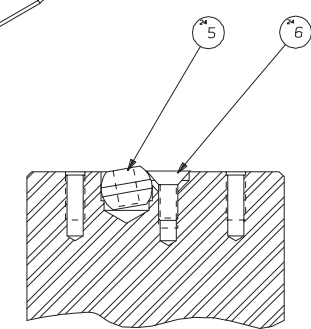
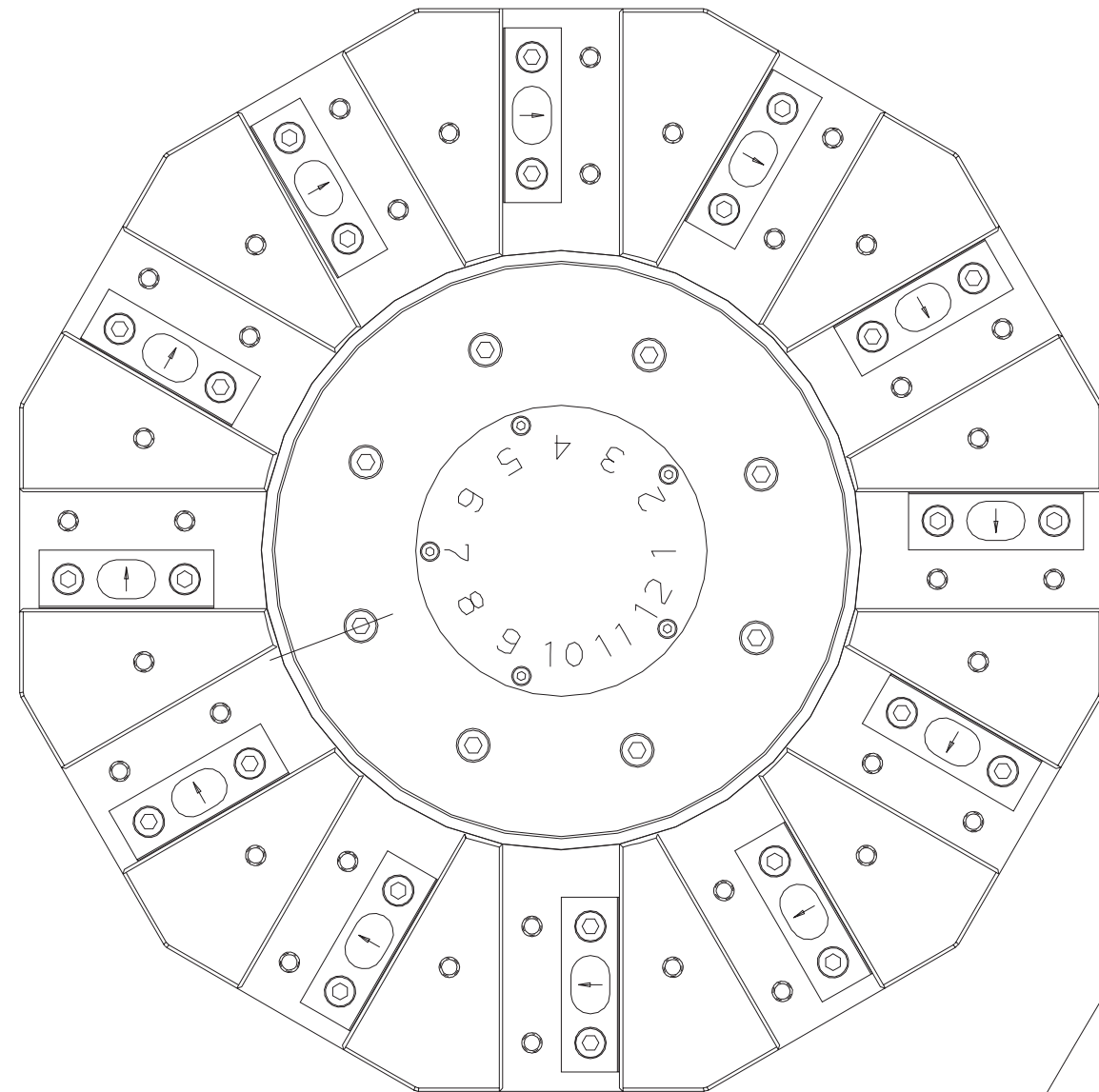
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120	OR-0001418	1	O-RING
118	SG-0010116-79	1	GASKET, ADJUSTING NUT
117	SG-0020115-34	1	COVER, ADJUSTING NUT
116	MW-0183810	7	M8 WASHER, LOCK
115	MW-0103810	7	M8 WASHER, FLAT
114	MS-0303815	7	M8 SCREW, BHSS x 10mm
113	SG-0020115-38	1	COVER, TURRET END
112	MS-0303514	8	M5 SCREW, BHSS x 8mm
111	SG-0010115-82	1	COVER, JUNCTION BOX
110	SG-0010884	.01	SEALANT, GASKET
108	CS-0011452-03	1	VALVE, FLOW CONTROL
107	CS-0007703-12	1	SWIVEL, 90°
106	CS-0008384-01-M	1	ADAPTER, METRIC
105	CS-0008384-M	1	ADAPTER, METRIC
104	CL-0009532-01	1	GROMMET
103	VS-0010440	.01	ANTI-SEIZE GREASE
102	NC-0010884-01	1	LOCTITE #222
101	CS-0010994	.04	GREASE
100	MS-0104223	3	M12 SCREW, SHCS x 45mm
99	CS-0004630-01	1	PIN, PIVOT
98	MW-0194210	6	M12 WASHER, LOCK
97	MS-0104224	3	M12 SCREW, SHCS x 50mm
96	SG-0009002	1	PLATE, SHIM
95	OR-0009096	1	O-RING
94	MS-0103620	6	M6 SCREW, SHCS x 30mm
93	NC-0010884	3.01	LOCTITE ADHESIVE
92	CS-0001467-01	1	PLUG, PIPE
91	MS-0103616	3	M6 SCREW, SHCS x 12mm
90	DB-0009207-9B	1	NUT CONNECTOR
89	DB-0009207-6A	1	BODY CONNECTOR
88	DB-0009207-W	1	WASHER CONNECTOR
87	DB-0009207-9F	1	GROMMET CONNECTOR
86	MW-0103610	5	M6 WASHER, FLAT
85	MW-0193610	11	M6 WASHER, LOCK
84	SG-0010115-84	1	COVER, TURRET INDEX MOTOR
83	SG-0020115-20	1	MOUNT, JUNCTION BOX ASSEM
82	HM-0009215	1	PIPE PLUG, 1"
81	CL-0010912	1	OIL, GEAR BOX
80	062-0001467	1	PLUG, PIPE
79	TM-0006992	1	PLUG, PIPE
78	MS-0303616	11	M6 SCREW, BHSS x 12mm
77	MW-0263610	11	M6 WASHER, STAR
76	MS-0554015	2	M10 SCREW, SSCP x 10mm
75	LT-0010884-S	.02	SEALANT, PIPE
74	SG-0010116-5A	1	GASKET, WORM GEAR ACCESS
73	SG-0010115-6A	1	COVER, WORM GEAR ACCESS
72	R-0008044	2	PIN, ESCUTCHEON
71	CS-0010302-02	1	TAG, CAUTION-PINCH POINT
70	SG-0004990-50	1	TAB (INNER)
69	SG-0004990-51	1	TAB (OUTER)
68	SG-0006199	1	GEAR BOX UNIT
67	SG-0007201	1	TURRET
66	MW-0263510	16	M5 WASHER, STAR
65	MS-0303516	12	M5 SCREW, BHSS x 12mm
64	SG-0020115-32	1	COVER, WORM GEAR ACCESS
63	SG-0011137	1	RETAINER, BEARING
62	SG-0010116-80	1	GASKET, WORM GEAR ACCESS
ITEM	PART NUMBER	QTY	DESCRIPTION

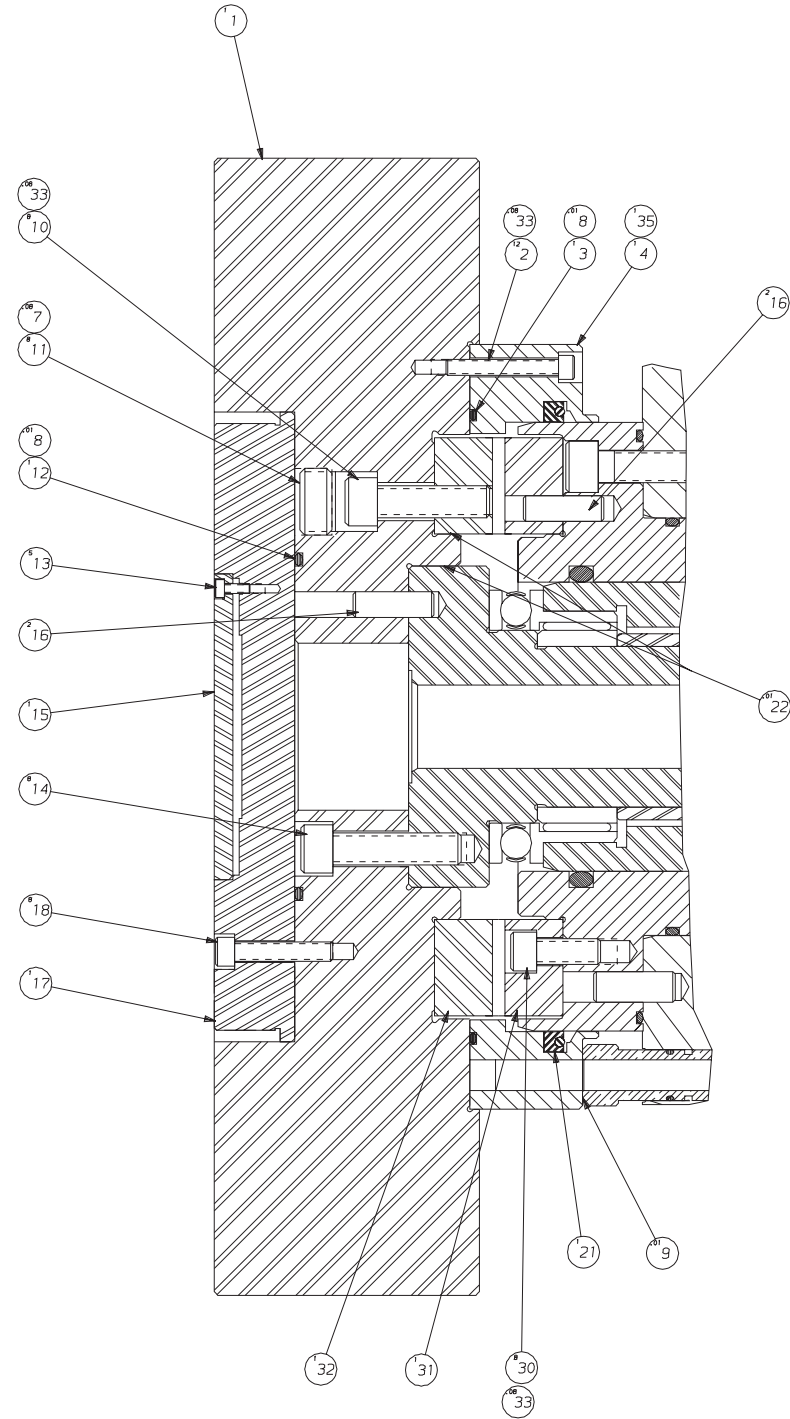
61	MS-0104021	4	M10 SCREW, SHCS x 35mm
60	SG-0004053-02	1	PULLEY, INDEX TURRET GEAR
59	SG-0011682-01	1	BUSHING, CLAMP
58	SG-0006115-02	1	KEY, TURRET GEAR BOX PULL
57	SG-0003346-12	1	BELT, 400-5M-25
56	SGA-0003177-11	1	PULLEY, ASSEMBLY 32T
51	CL-0010224-02	1	SWITCH
50	SG-0001976-02	1	BRACKET, TURRET UP/DOWN
49	MW-0103510	2	M5 WASHER, FLAT
48	MW-0193510	2	M5 WASHER, LOCK
47	MS-0103516	2	M5 SCREW, SHCS x 12mm
46	SG-0007703-02	1	PLUG, HOLLOW HEX
45	SG-0004025	1	RING FOR HOME SWITCH
44	MS-0553814	2	M8 SCREW, SSCP x 8mm
43	SG-0004025-01	1	BLOCK, HOME SWITCH RING
42	MW-0193410	3	M4 WASHER, LOCK
41	MS-0103418	3	M4 SCREW, SHCS x 20mm
40	SGA-0001991-08	1	PLATE, REAR
39	SG-0001991-06	1	PLATE, MOUNTING TUR INDEX
38	MW-0104010-H	4	M10 WASHER, HARDENED
37	MW-0194010	8	M10 WASHER, LOCK
36	MS-0104020	12	M10 SCREW, SHCS x 30mm
35	OR-0006870	1	O-RING
34	MS-0553512	1	M5 SCREW, SSCP x 5mm
33	SG-0000492-07	1	NUT, ADJUSTING
32	OR-0007478	1	O-RING
31	SG-0003969-0	1	SUPPORT, GEAR (OUTER)
30	MW-0193810	13	M8 WASHER, LOCK
29	MS-0103819	13	M8 SCREW, SHCS x 25mm
28	OR-0003436	1	O-RING
27	CN-0010884	.01	ADHESIVE
26	SG-0009259-02	1	SLEEVE
25	SG-0011198-16	1	SEAL
24	SG-0003969-1	1	SUPPORT, GEAR (INNER)
23	CSA-0011792-A	1	COUPLING, TURRET GEAR
22	OR-0008288	1	O-RING
21	CS-0008231	1	RING, RETAINING
20	NC-0006709	4	PIN, DOWEL
19	CS-0009050	1	NUT, LOCK AN10
18	CS-0001950	1	NUT, LOCK
17	CSA-0011492-01	1	HOUSING, INDEX SHAFT
16	CS-0001799-15	1	SPACER, BEARING
15	CS-0009431-12	1	O-RING
14	CSA-0011455	1	PISTON, TURRET
13	CS-0001799-14	1	SPACER, BEARING
12	CS-0009431-13	1	O-RING
11	SG-0009764	1	SPRING
10	OR-0000810	2	O-RING
9	SG-0007011	1	BUSHING, COOLANT
8	CS-0009431-10	1	O-RING
7	CS-0009431-14	1	O-RING
6	CSA-0011492	1	HOUSING, PISTON
5	CS-0004630-03	4	DOWEL PIN, PULL OUT
4	RF-0010994	.14	GREASE, SILICON
3	CS-0009431-11	1	O-RING
2	CSB-0011264	1	SHAFT, INDEX
1	CS-0004140-01	2	BEARING, THRUST BALL AND N
ITEM	PART NUMBER	QTY	DESCRIPTION

NAME TURRET ASSEMBLY (ABSOLUTE ENCODER) PART NUMBER SG-0000008-A SHEET 4 of 4 REV LEVEL A



NAME	TOP PLATE ASSEMBLY	PART NUMBER	5G-0007214-E	REV	A
SHEET	1 of 3				

# Turret Top Plate, 12 Station, English



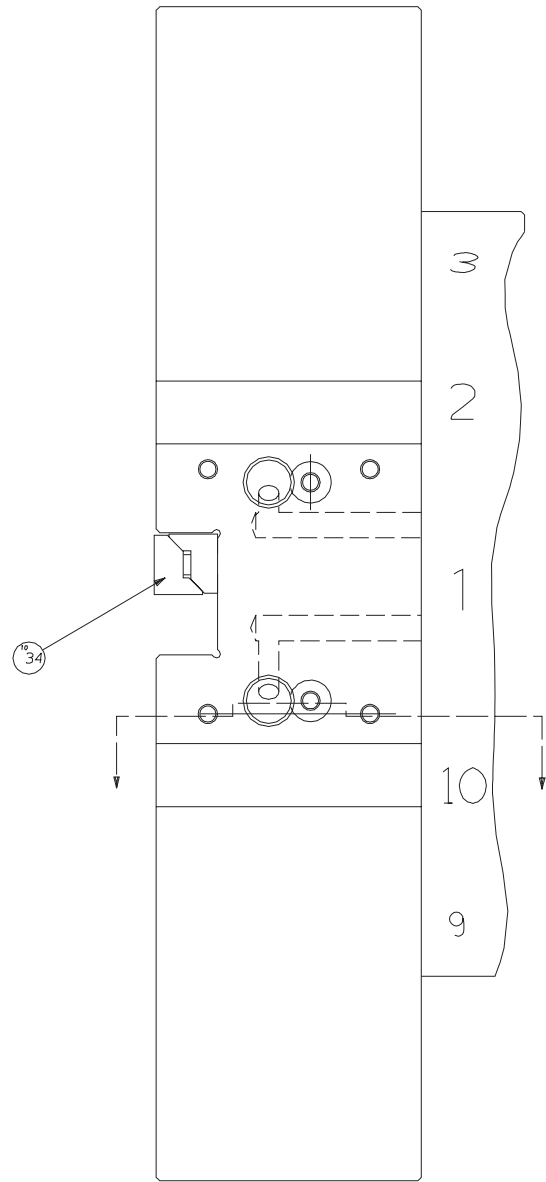
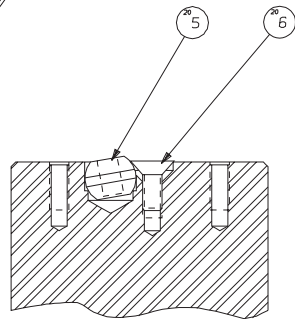
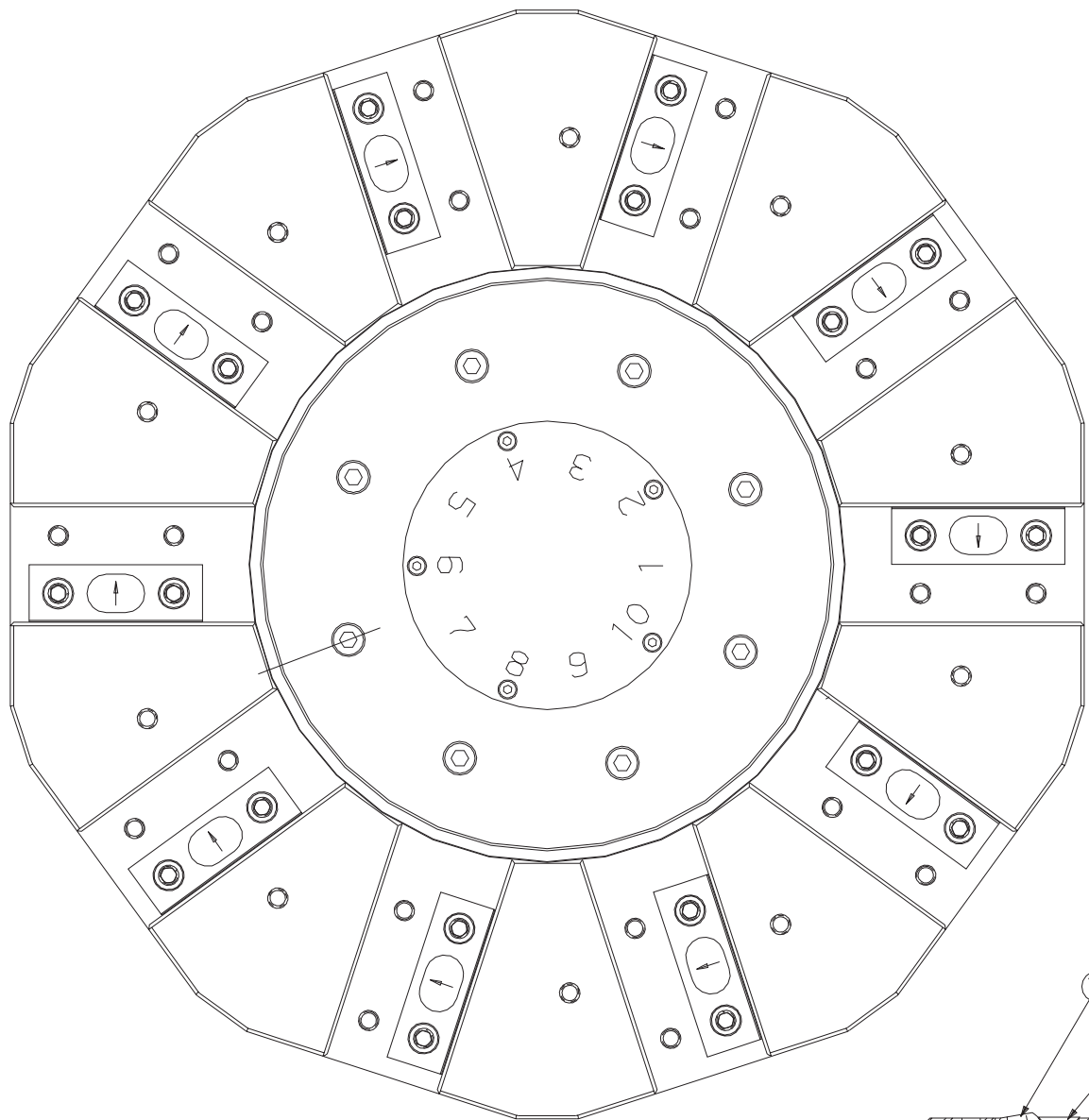
35	CD-0004629	1	PIN, DOWEL
34	SG-0011944-CT	12	CLAMP, TOOL ASSEM
33	NC-0010884	0	LOCTITE ADHESIVE
32	SG-0011792-4T	1	COUPLING, TOP PLATE 12 ST
31	CS-0011792-4H	1	COUPLING, HOUSING 12 STAT
30	MS-0103818	8	SCREW
22	VS-0010440	0	GREASE, ANTI-SEIZE
21	CS-0011198-15	1	SEAL, POLYPAK
20	RF-0011971	1	BAG, MAIL
18	MS-0103619	8	SCREW
17	SG-0010419-03	1	STOP, TOOL
16	NC-0006709	4	PIN, DOWEL
15	CS-0010419-A1	1	NAME PLATE, 12 STATION
14	MS-0104022	8	SCREW
13	MS-0103314	5	SCREW
12	CS-0009431-07	1	O-RING
11	SG-0001914	8	PLUG, 1/2-14 BSPP
10	MS-0104021	8	SCREW
9	CS-0010994	0	GREASE, M55
8	RF-0010994	0	GREASE, SILICON
7	LT-0010884-5	0	SEALANT, PIPE
6	MS-0313616	24	SCREW, FLAT HEAD
5	CSA-0006058-01	24	BALL, COOLANT
4	SG-0009813-01	1	COOLANT RING, 12 STATION
3	OR-0120123	1	O-RING
2	MS-0103521	12	SCREW
1	SG-0007214-04	1	TOP PLATE, 12 STA. 3/4 SQ
ITEM	PART NUMBER	QTY	DESCRIPTION

NAME TOP PLATE ASSEMBLY

PART NUMBER SG-0007214-E  
SHEET 2 of 3

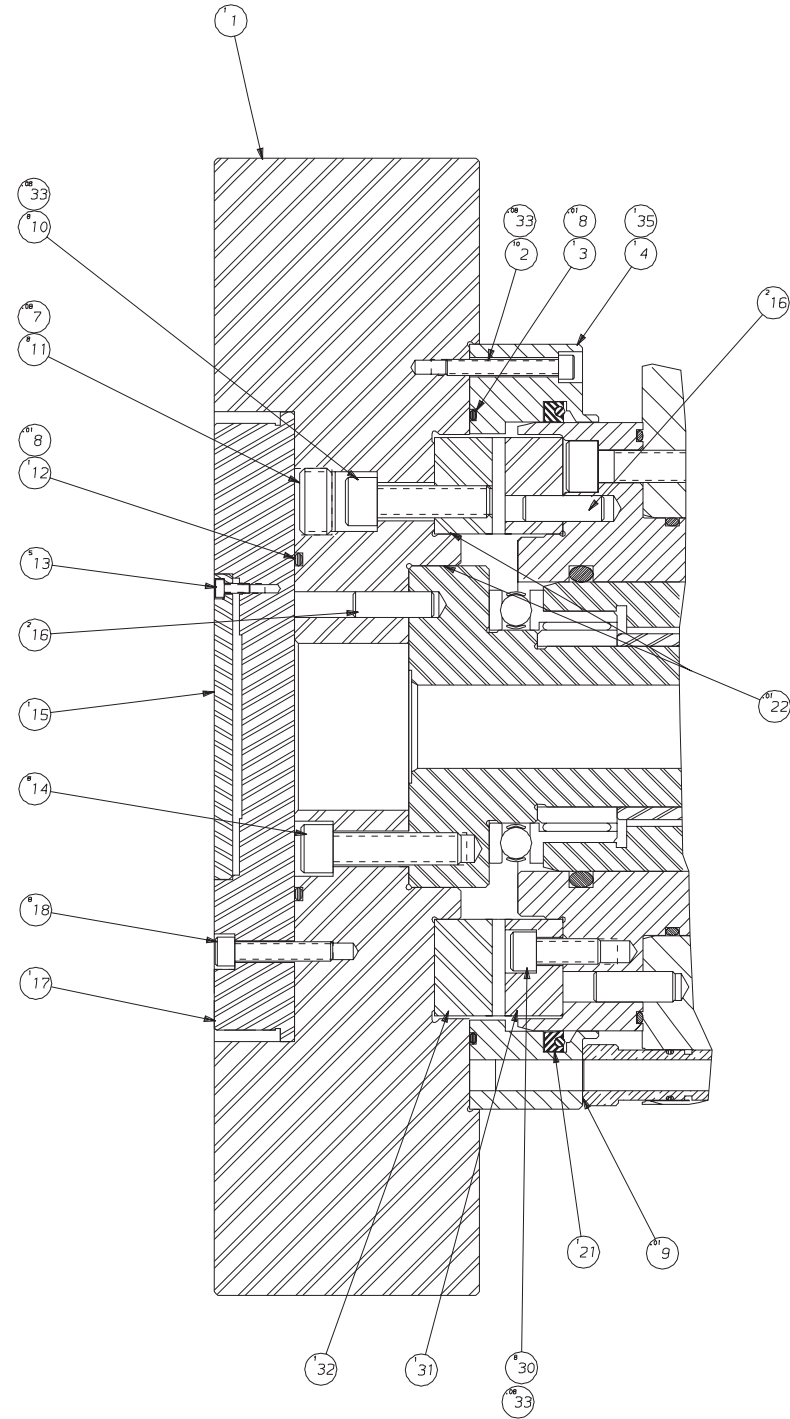
REV LEVEL A





NAME TOP PLATE ASSEMBLY  
 PART NUMBER 56-0007214-E1  
 SHEET 1 of 3  
 REV LEVEL A

# Turret Top Plate, 10 Station, English



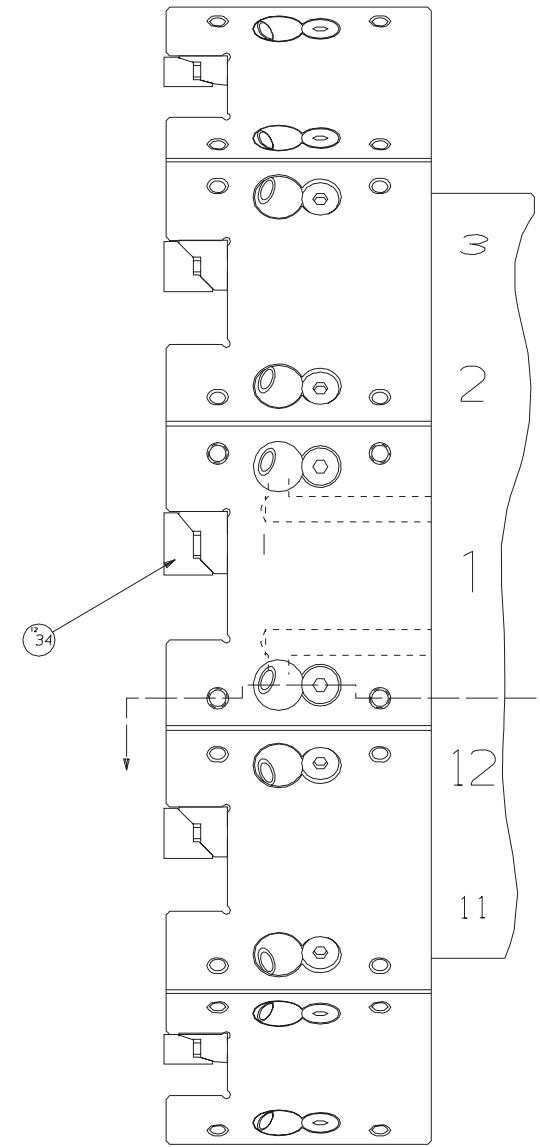
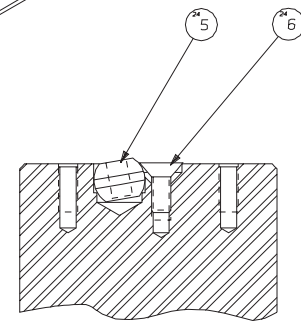
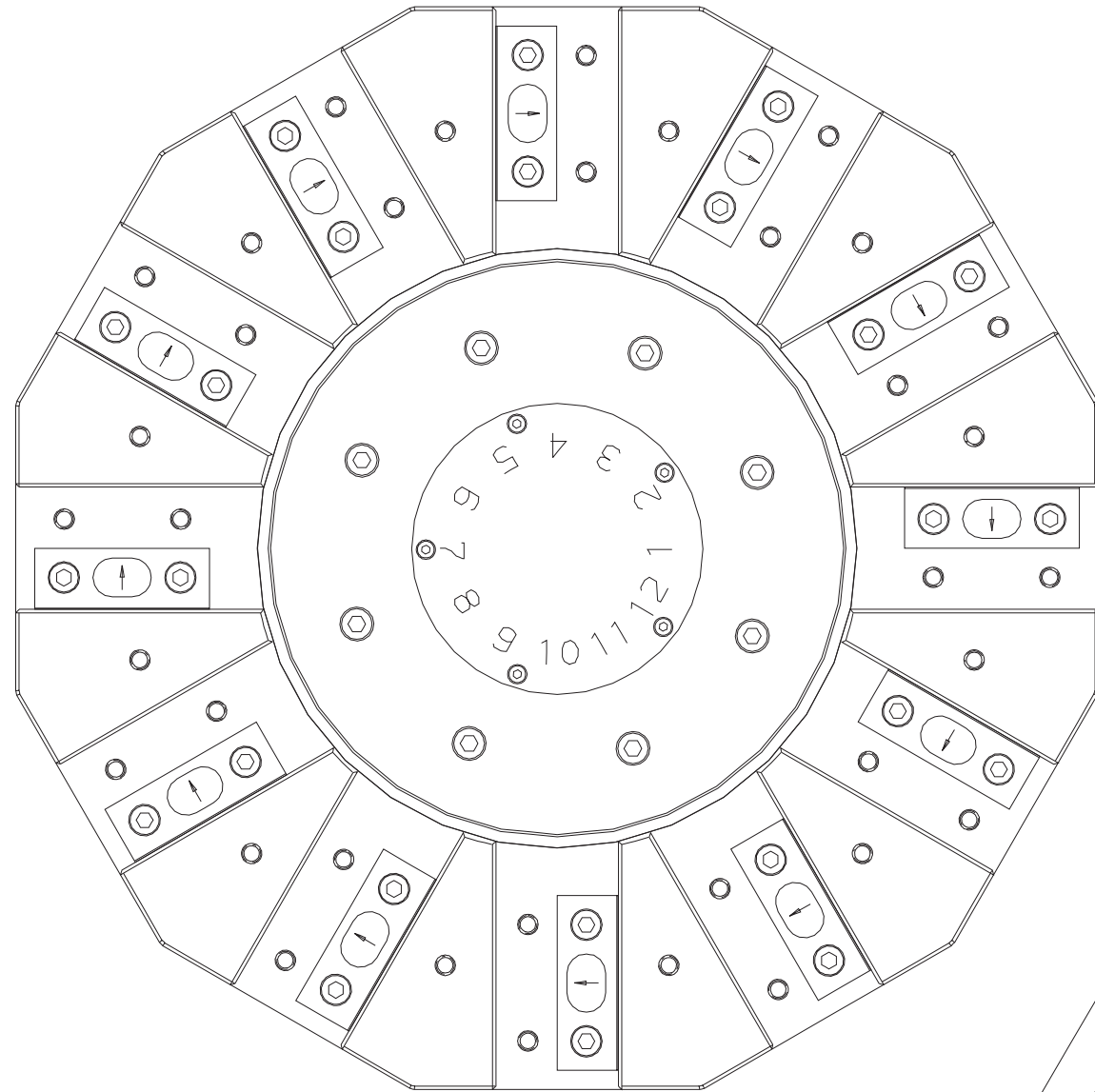
35	CD-0004629	1	PIN, DOWEL
34	SG-0011944-CT	10	CLAMP, TOOL ASSEM
33	NC-0010884	0	LOCTITE ADHESIVE
32	SG-0011792-3T	1	COUPLING, TOP PLATE 10 ST
31	CS-0011792-3H	1	COUPLING, HOUSING 10 STAT
30	MS-0103818	8	SCREW
22	VS-0010440	0	GREASE, ANTI-SEIZE
21	CS-0011198-15	1	SEAL, POLYPAK
20	RF-0011971	1	BAG, MAIL
18	MS-0103619	8	SCREW
17	SG-0010419-03	1	STOP, TOOL
16	NC-0006709	4	PIN, DOWEL
15	CS-0010419-A	1	NAME PLATE, 10 STATION
14	MS-0104022	8	SCREW
13	MS-0103314	5	SCREW
12	CS-0009431-07	1	O-RING
11	SG-0001914	8	PLUG, 1/2-14 BSPP
10	MS-0104021	8	SCREW
9	CS-0010994	0	GREASE, M55
8	RF-0010994	0	GREASE, SILICON
7	LT-0010884-5	0	SEALANT, PIPE
6	MS-0313616	20	SCREW, FLAT HEAD
5	CSA-0006058-01	20	BALL, COOLANT
4	SG-0009813	1	COOLANT RING, 10 STATION
3	OR-0120123	1	O-RING
2	MS-0103521	10	SCREW
1	SG-0007214	1	TOP PLATE, 10 STA. 3/4 SQ
ITEM	PART NUMBER	QTY	DESCRIPTION

NAME TOP PLATE ASSEMBLY

PART NUMBER SG-0007214-E1  
SHEET 2 of 3

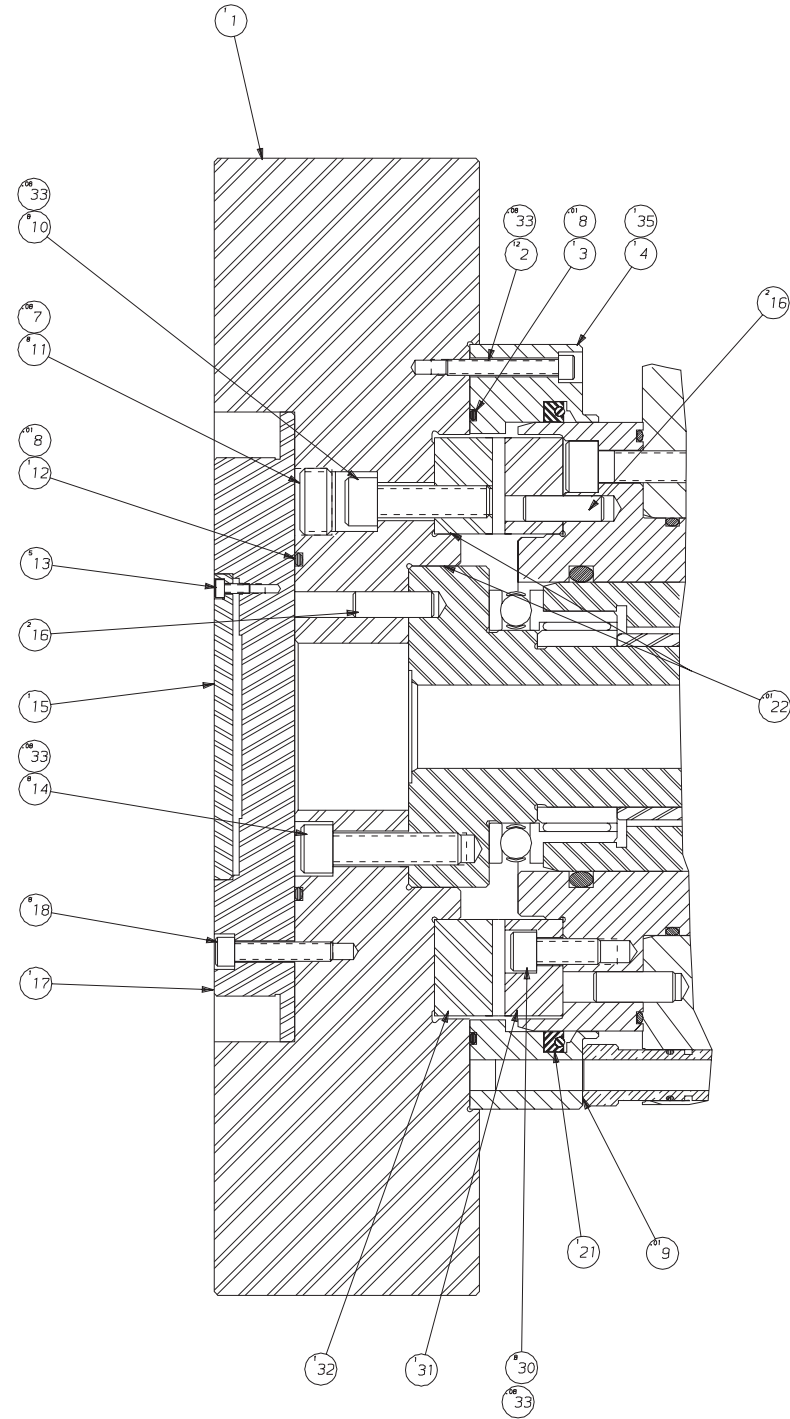
REV LEVEL A





NAME TOP PLATE ASSEMBLY  
 PART NUMBER 5G-0007214-M  
 SHEET 1 of 3  
 REV LEVEL A

# Turret Top Plate, 12 Station, Metric

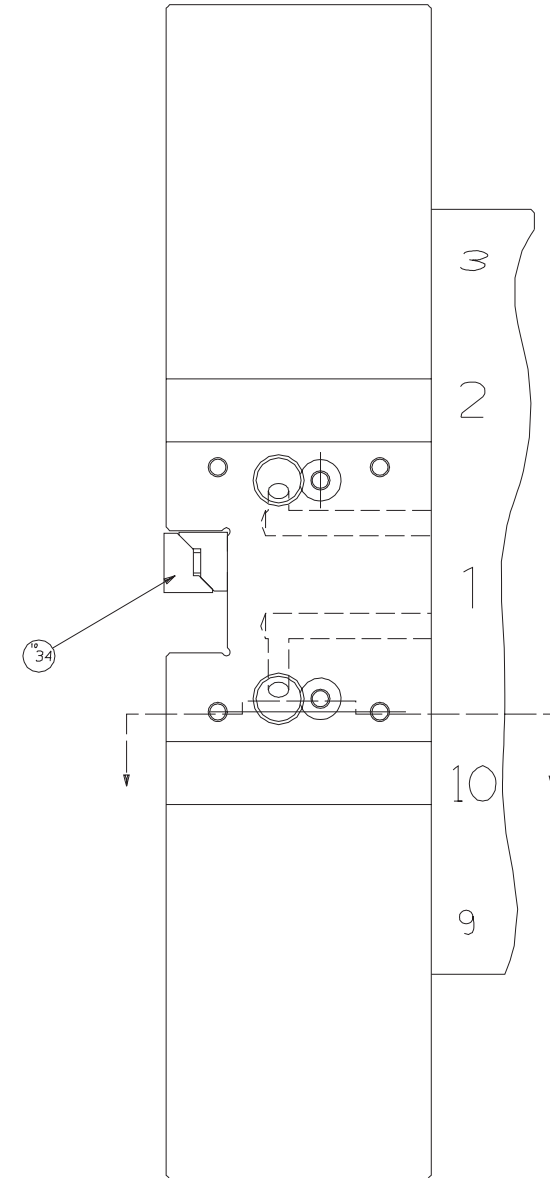
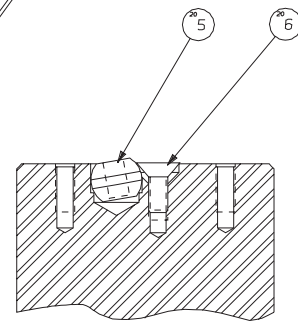
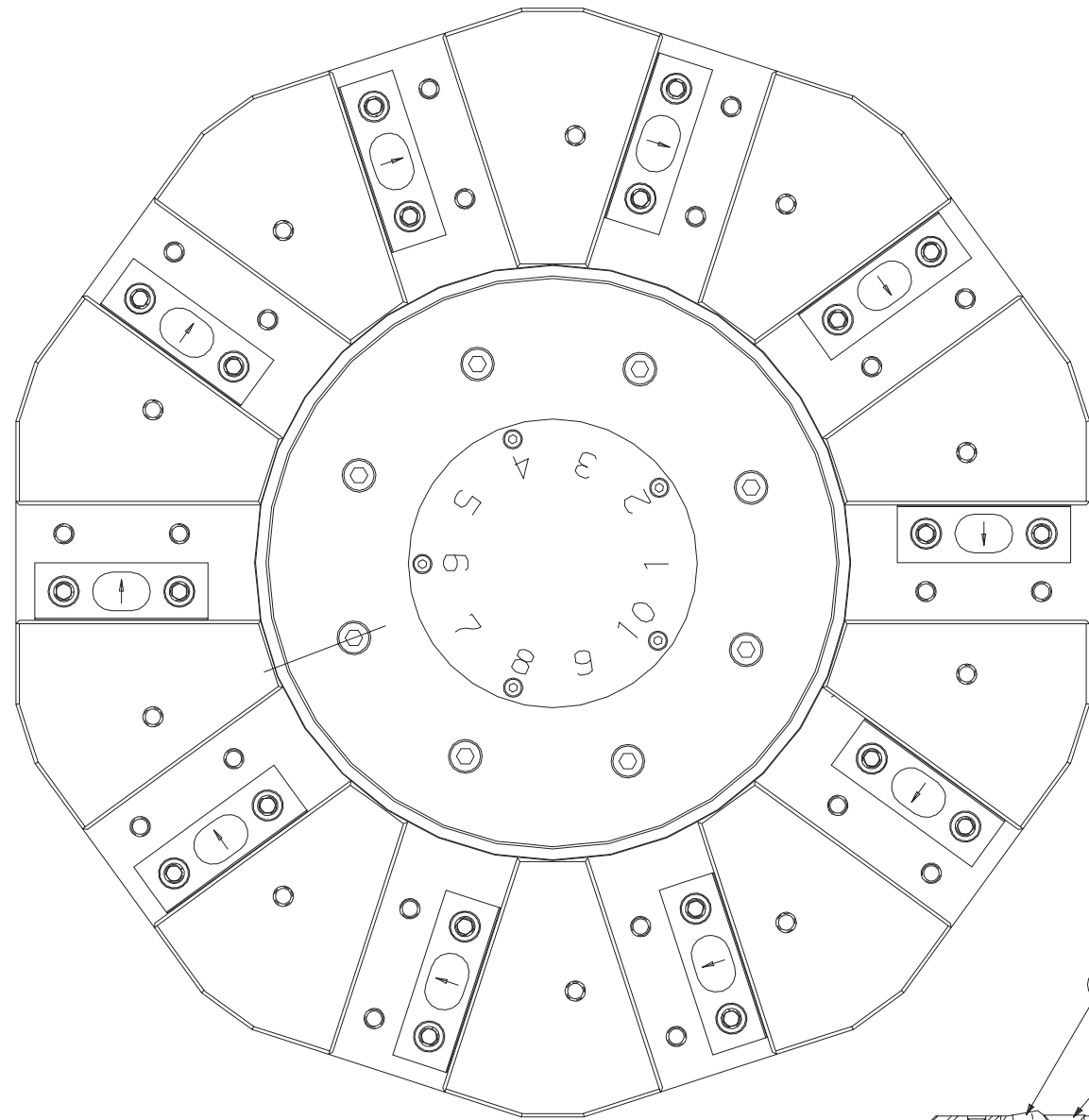


35	CD-0004629	1	PIN, DOWEL
34	CS-0011944-CM	12	CLAMP, TOOL ASSEM
33	NC-0010884	0	LOCTITE ADHESIVE
32	SG-0011792-4T	1	COUPLING, TOP PLATE 12 ST
31	CS-0011792-4H	1	COUPLING, HOUSING 12 STAT
30	MS-0103818	8	SCREW
22	VS-0010440	0	GREASE, ANTI-SEIZE
21	CS-0011198-15	1	SEAL, POLYPAK
20	RF-0011971	1	BAG, MAIL
18	MS-0103619	8	SCREW
17	SG-0010419-4M	1	STOP, TOOL
16	NC-0006709	4	PIN, DOWEL
15	CS-0010419-A1	1	NAME PLATE, 12 STATION
14	MS-0104022	8	SCREW
13	MS-0103314	5	SCREW
12	CS-0009431-07	1	O-RING
11	SG-0001914	8	PLUG, 1/2-14 BSPP
10	MS-0104021	8	SCREW
9	CS-0010994	0	GREASE, M55
8	RF-0010994	0	GREASE, SILICON
7	LT-0010884-5	0	SEALANT, PIPE
6	MS-0313616	24	SCREW, FLAT HEAD
5	CSA-0006058-01	24	BALL, COOLANT
4	SG-0009813-01	1	COOLANT RING, 12 STATION
3	OR-0120123	1	O-RING
2	MS-0103521	12	SCREW
1	SG-0007214-05	1	TOP PLATE, 12 STA. 3/4 SQ
ITEM	PART NUMBER	QTY	DESCRIPTION

NAME TOP PLATE ASSEMBLY

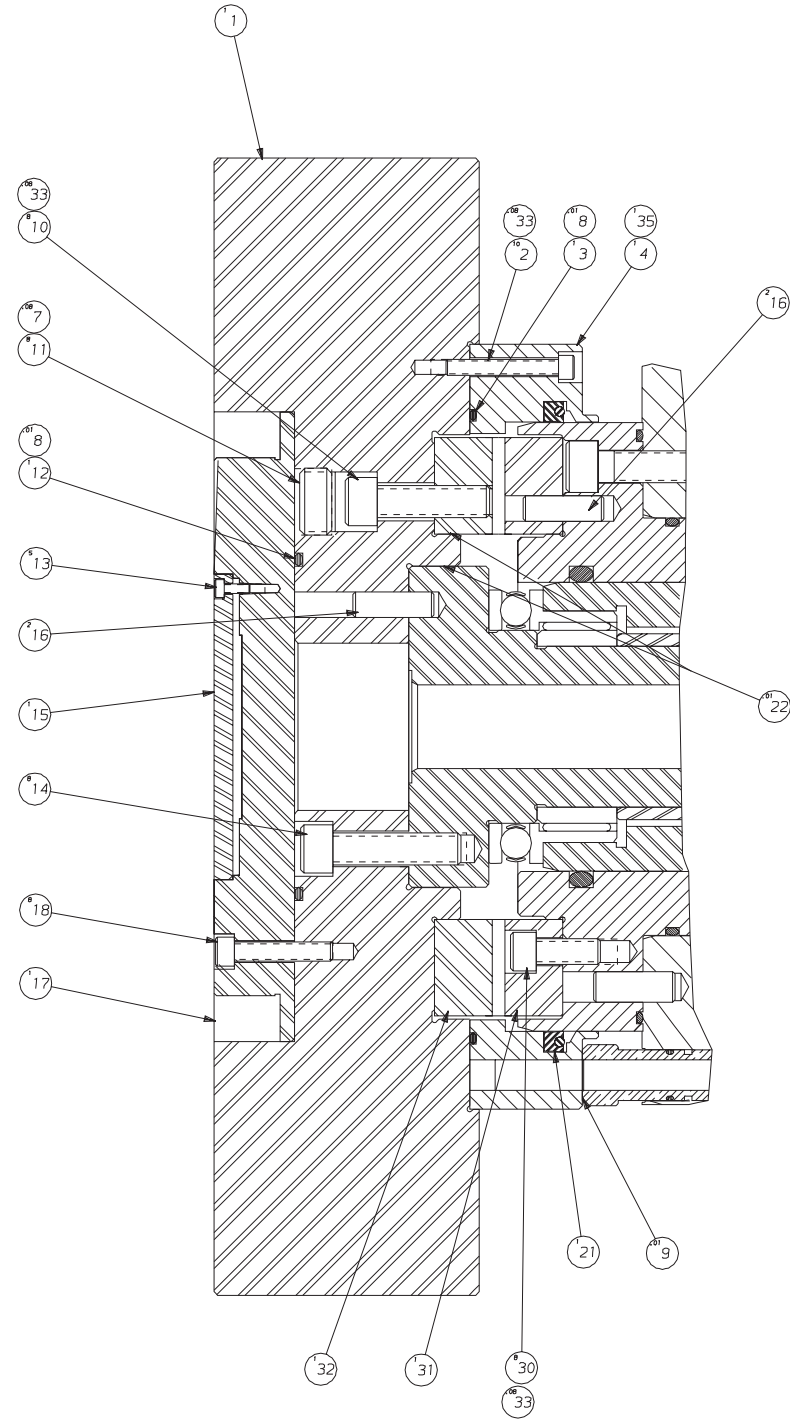
PART NUMBER SG-0007214-M  
SHEET 2 of 3

REV LEVEL A



NAME TOP PLATE ASSEMBLY PART NUMBER 56-0007214-M1 REV LEVEL A  
SHEET 1 of 3

# Turret Top Plate, 10 Station, Metric

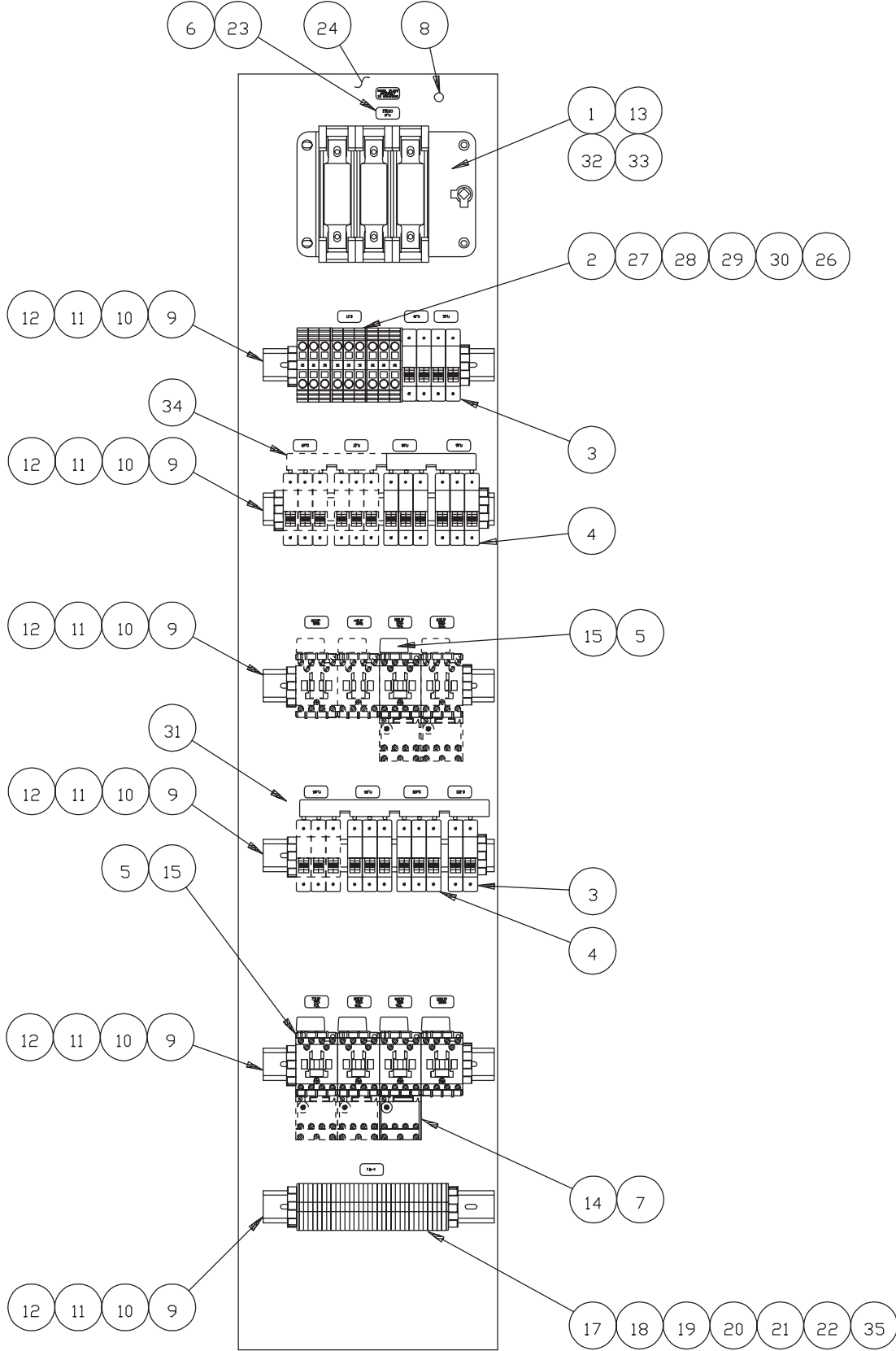


35	CD-0004629	1	PIN, DOWEL
34	CS-0011944-CM	10	CLAMP, TOOL ASSEM METRIC
33	NC-0010884	0	LOCTITE ADHESIVE
32	SG-0011792-3T	1	COUPLING, TOP PLATE 10 ST
31	CS-0011792-3H	1	COUPLING, HOUSING 10 STAT
30	MS-0103818	8	SCREW
22	V5-0010440	0	GREASE, ANTI-SEIZE
21	CS-0011198-15	1	SEAL, POLYPAK
20	RF-0011971	1	BAG, MAIL
18	MS-0103619	8	SCREW
17	SG-0010419-4M	1	STOP, TOOL 20MM
16	NC-0006709	4	PIN, DOWEL
15	CS-0010419-A	1	NAME PLATE, 10 STATION
14	MS-0104022	8	SCREW
13	MS-0103314	5	SCREW
12	CS-0009431-07	1	O-RING
11	SG-0001914	8	PLUG, 1/2-14 BSPP
10	MS-0104021	8	SCREW
9	CS-0010994	0	GREASE, M55
8	RF-0010994	0	GREASE, SILICON
7	LT-0010884-5	0	SEALANT, PIPE
6	MS-0313616	20	SCREW, FLAT HEAD
5	CSA-0006058-01	20	BALL, COOLANT
4	SG-0009813	1	COOLANT RING, 10 STATION
3	OR-0120123	1	O-RING
2	MS-0103521	10	SCREW
1	SG-0007214-01	1	TOP PLATE, 10 STA 20MM
ITEM	PART NUMBER	QTY	DESCRIPTION

NAME TOP PLATE ASSEMBLY

PART NUMBER SG-0007214-M1  
SHEET 2 of 3

REV LEVEL A



ITEM	PART NUMBER	QUANTITY	DESCRIPTION
1	SG 0010016	1.0000	SWITCH, DISC. 100A/IEC/CLASS
2	SG 001103201	9.0000	BLOCK, TERMINAL 6 AWG
3	SG 001001701	3.0000	HOLDER, FUSE 2P/W IND.CC FUS
4	SG 0010017	4.0000	HOLDER, FUSE 3P/W IND.CC FUS
5	CKA001036101	5.0000	CONTACTOR, NON-REVERSING
6	F3 000997701	22.0000	LABEL, ID
7	HG 0010449	1.0000	SHIELD, ANTI TAMPER
8	HG 0010546	2.0000	NUT, 1/4-20 BRASS HEX
9	CK 9011032	1.5000	RAIL, DIN BLANK
10	HG 001103204	12.0000	END STOP
11	MS 0303414	12.0000	BUTTON HEAD SCREW
12	Mw 0263410	12.0000	WASHER, EXT. STAR M4
13	SG 0010359 R	1.0000	ROD, DISCONNECT
14	193000983318	1.0000	OVERLOAD, A-B 0.10A-0.16A
15	VF 001129801	5.0000	FILTER
17	HG 0011032	25.0000	TERMINAL BLOCK, GRAY
18	HG 001103202	7.0000	TERMINAL BLOCK, GREEN/YELLOW
19	HG 001103203	2.0000	END PLATE
20	HG 0009175	0.1000	MARKER, STRIP 1-10
21	HG 000917501	0.1000	MARKER, STRIP 11-20
22	HG 000917502	0.1000	MARKER, STRIP 21-30
23	LD 0002854	1.0000	TAG LAYOUT - CEMARK
24	SGA0004158CE	1.0000	PLATE, PWRCASE COMP. MTG.-CE
25	SG 0003279WPP	1.0000	WIRE PKG PWR CASE-PLATE-CEMA
26	SG 001103206	8.0000	GUARD, FINGER-TERMINAL BLOCK
27	SG 001103202	1.0000	END PALTE, TERMINAL BLOCK
28	SG 001103203	2.0000	SEPARATOR, TERMINAL BLOCK
29	SG 001103204	6.0000	JUMPER, TERMINAL BLOCK
30	SG 001103205	2.0000	MARKER, WARNING TERMINAL BLD
31	SG 0010017BB01	1.0000	BUS BAR, 4 3 POLE BREAKER
32	SG 001011566	3.0000	COVER, FUSE, 100A CLASS J
33	SG 001011567	1.0000	COVER, TERMINAL, 100A CLASS
34	SG 0010017BB03	1.0000	BUSBAR, 2, 3 POLE
35	TT 001103204	2.0000	JUMPER, TWO POLE

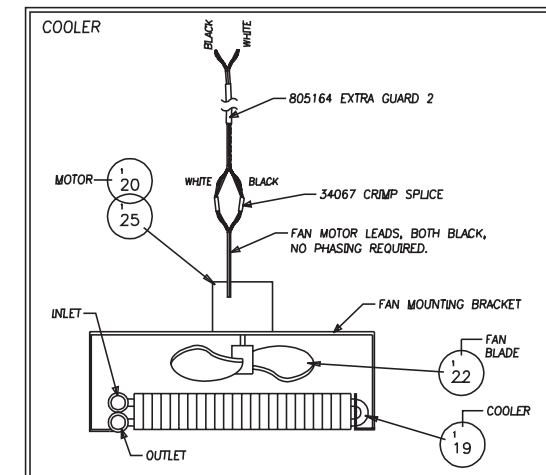
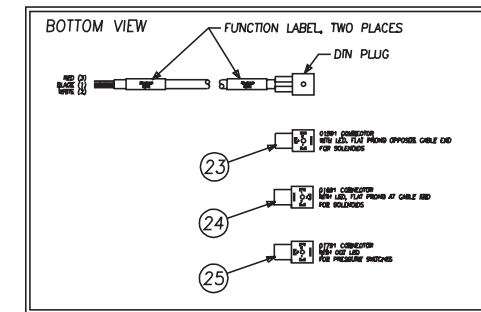
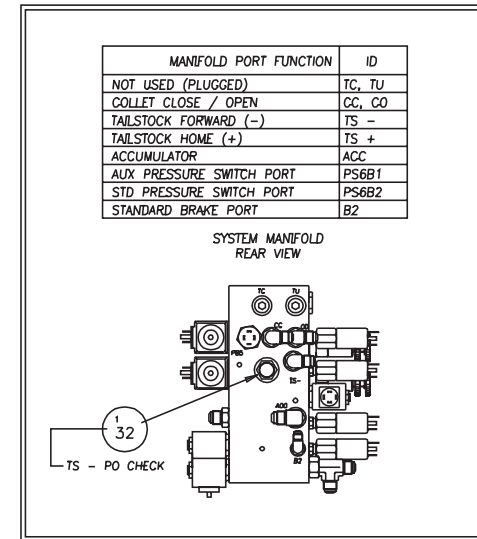
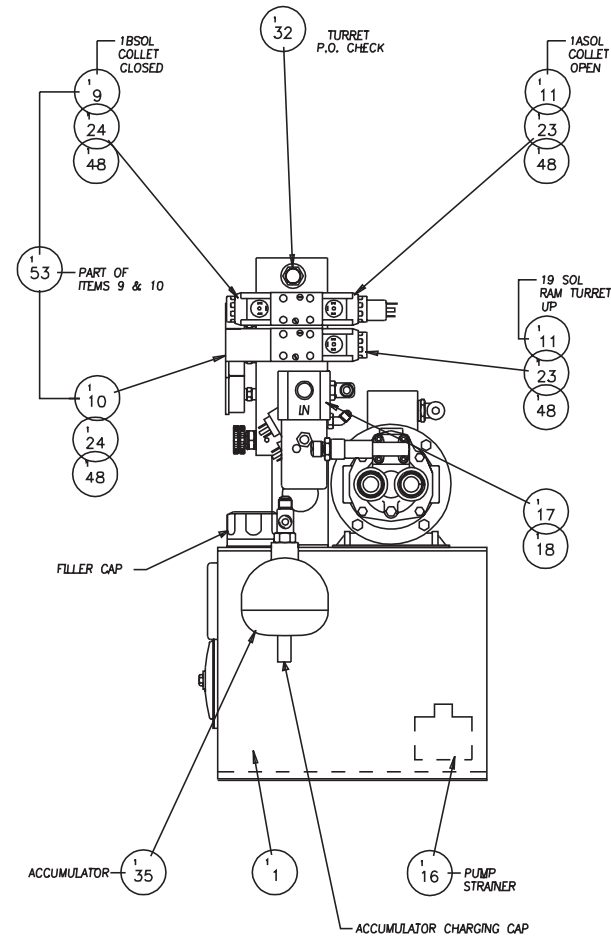
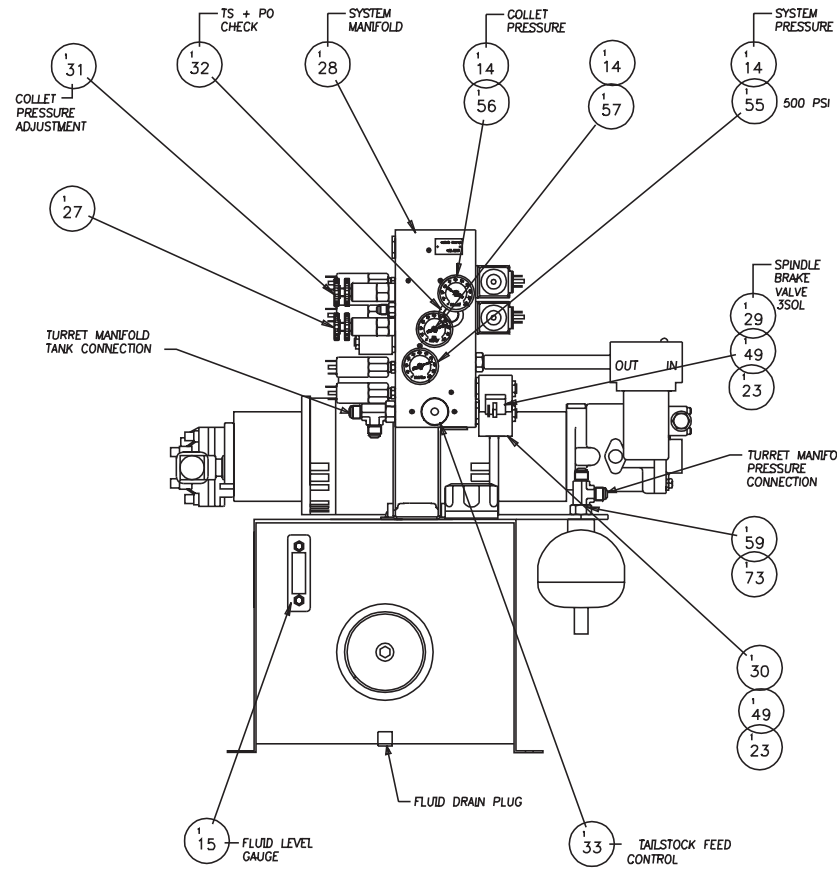
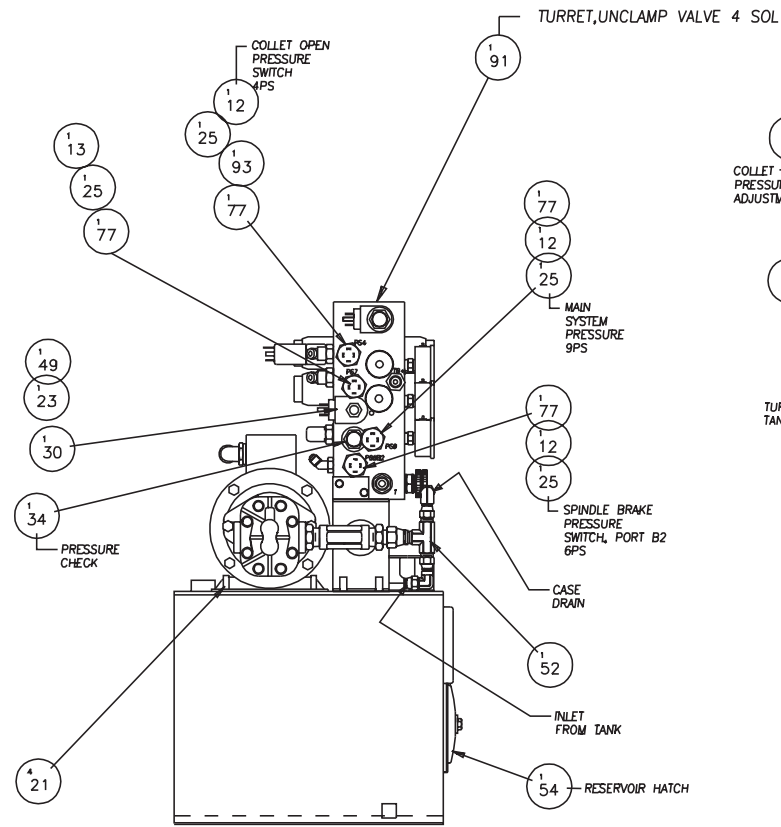
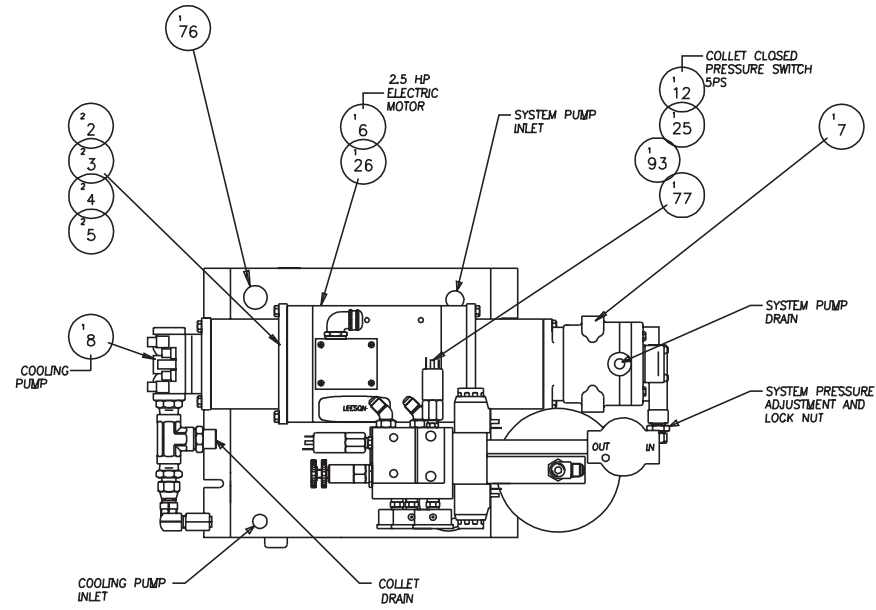
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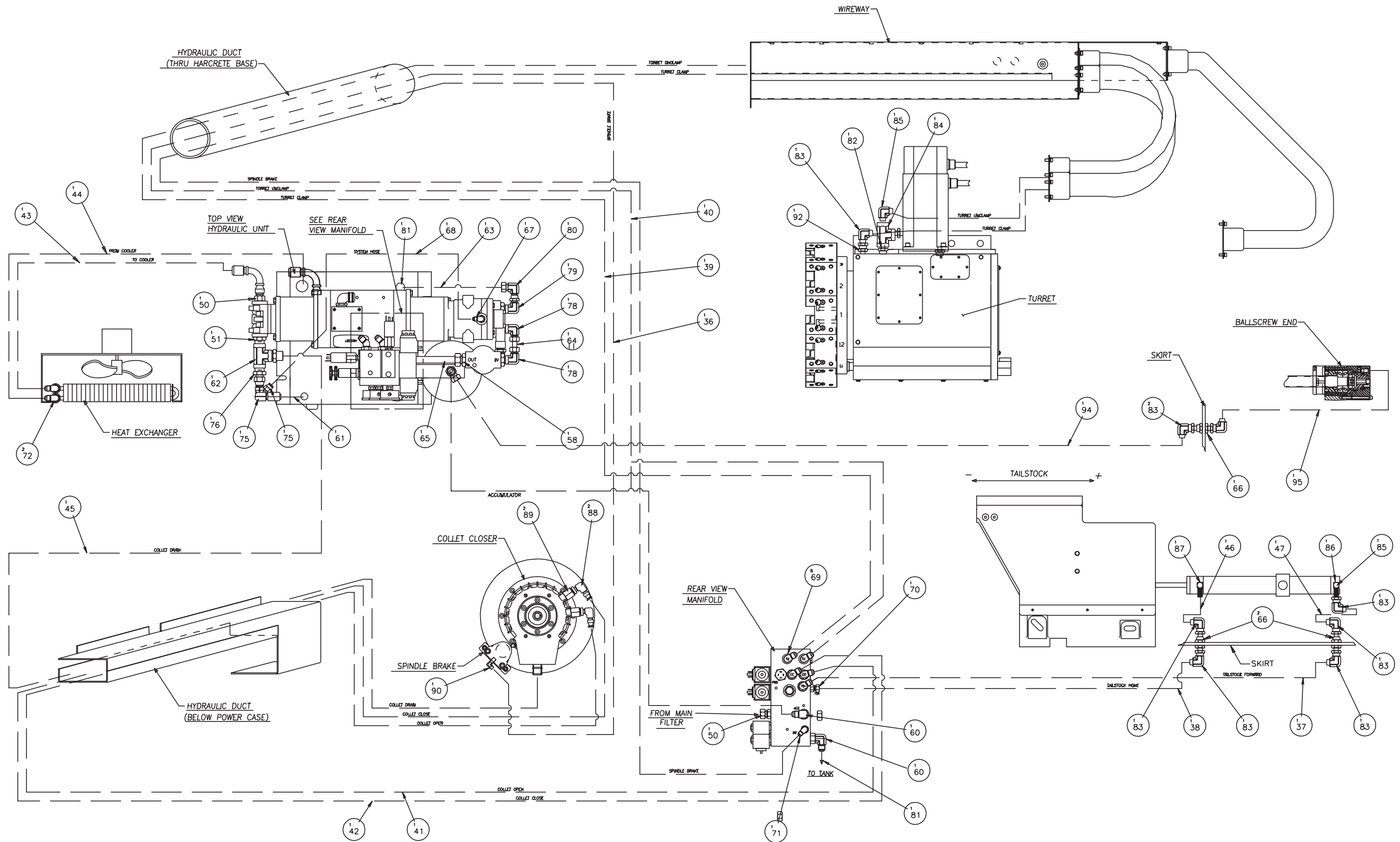
# Hydraulic Unit, Machine with Tailstock CE Mark

## HYDRAULIC PUMP MOTOR WIRING

BLACK	T2 AND T8
WHITE	T1 AND T7
RED	T3 AND T9
JUMPER	T4-T5-T6
GREEN	GROUND

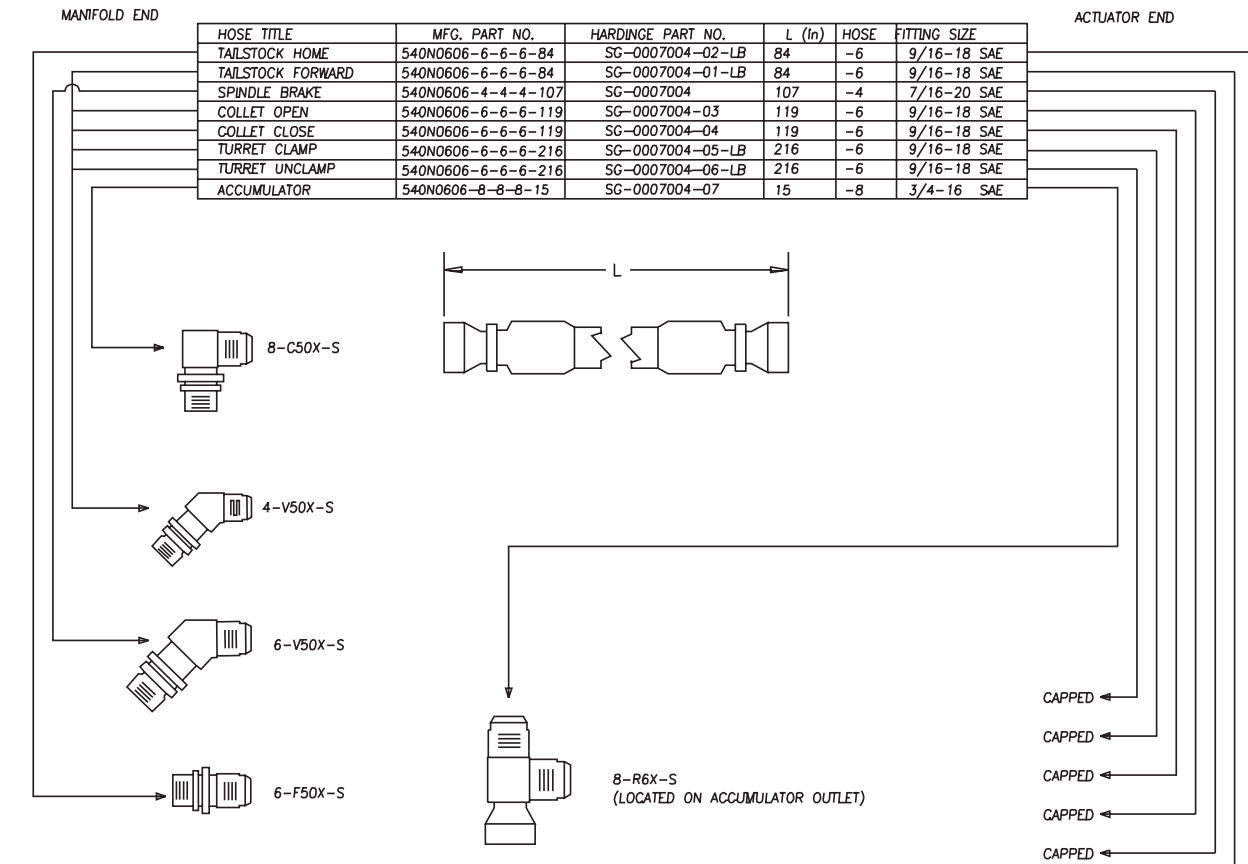




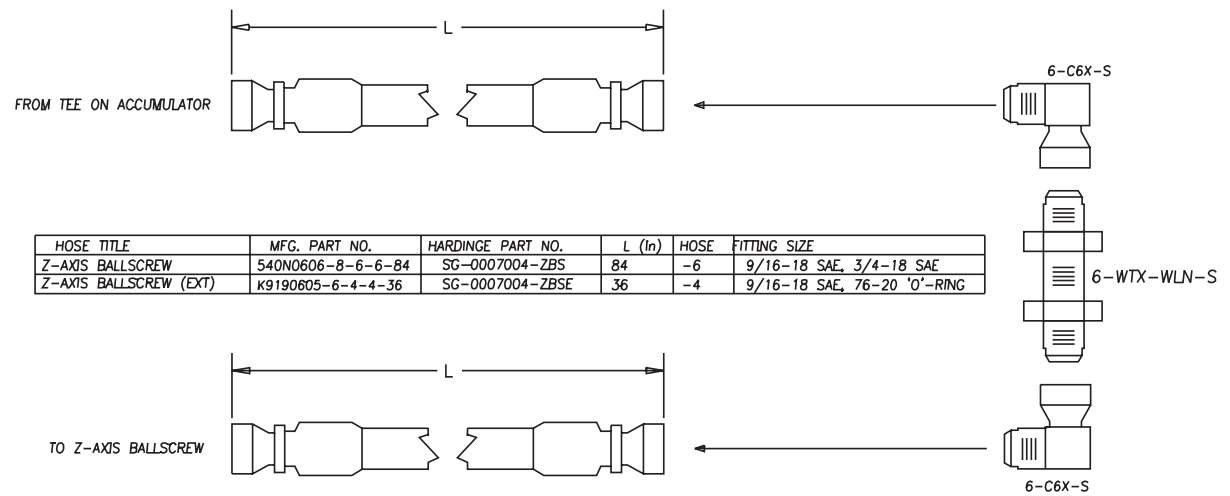
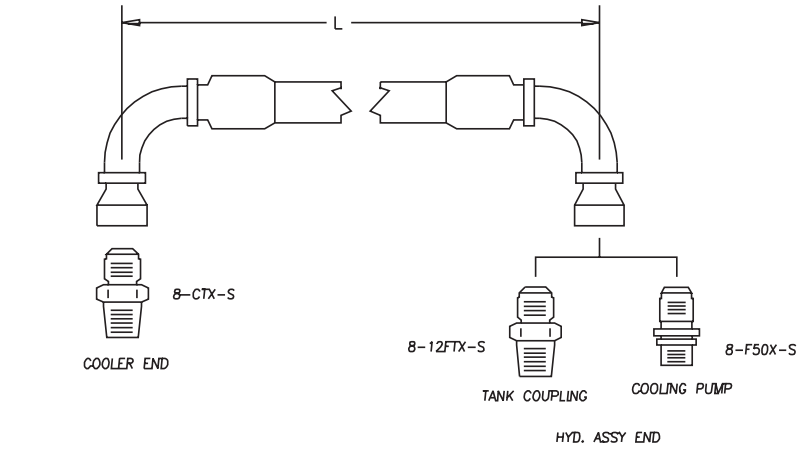
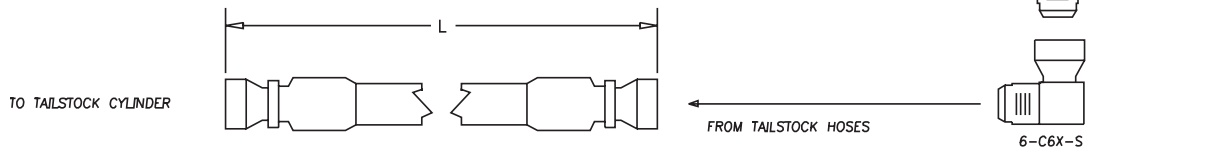


# Hydraulic Unit, Machine with Tailstock CE Mark

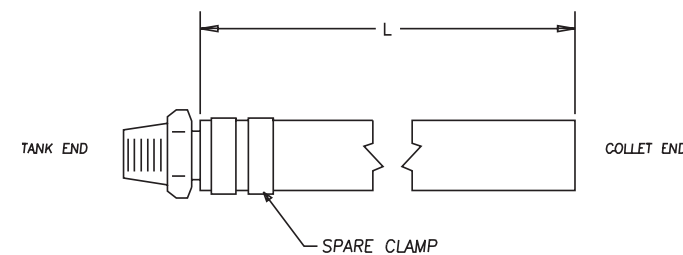
HOSE TITLE	MFG. PART NO.	HARDINGE PART NO.	L (in)	HOSE	FITTING SIZE
TO COOLER	75203939-8-8-8-24	CL-0007004-10	24	-8	3/4-16 JIC
FROM COOLER	75203939-8-8-8-30	CL-0007004-11	30	-8	3/4-16 JIC



HOSE TITLE	MFG. PART NO.	HARDINGE PART NO.	L (in)	HOSE	FITTING SIZE
TAILSTOCK FORWARD EXT	K9190606-6-6-6-13	SG-0007004-08-LB	13	-6	9/16-18 SAE
TAILSTOCK HOME EXT	K9190606-6-6-6-26	SG-0007004-09-LB	26	-6	9/16-18 SAE



HOSE TITLE	MFG. PART NO.	HARDINGE PART NO.	L (in)	HOSE	FITTING SIZE
COLLET DRAIN	FHS-10-WH	SG-0007004-12	108	-16	3/4-14 NPT





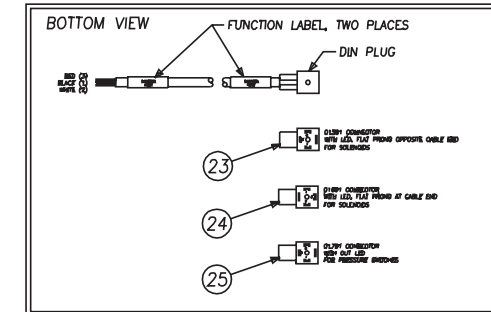
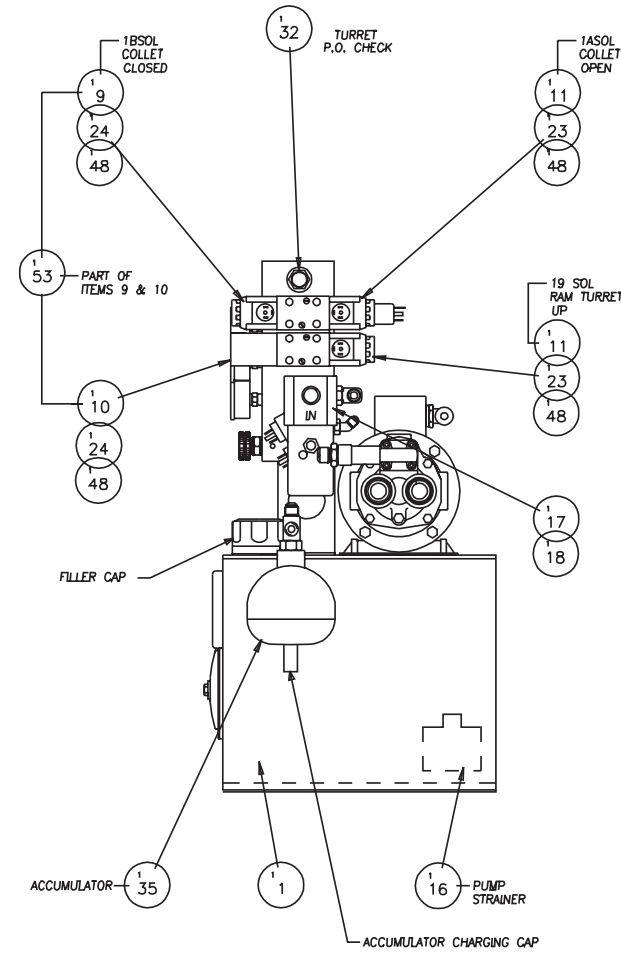
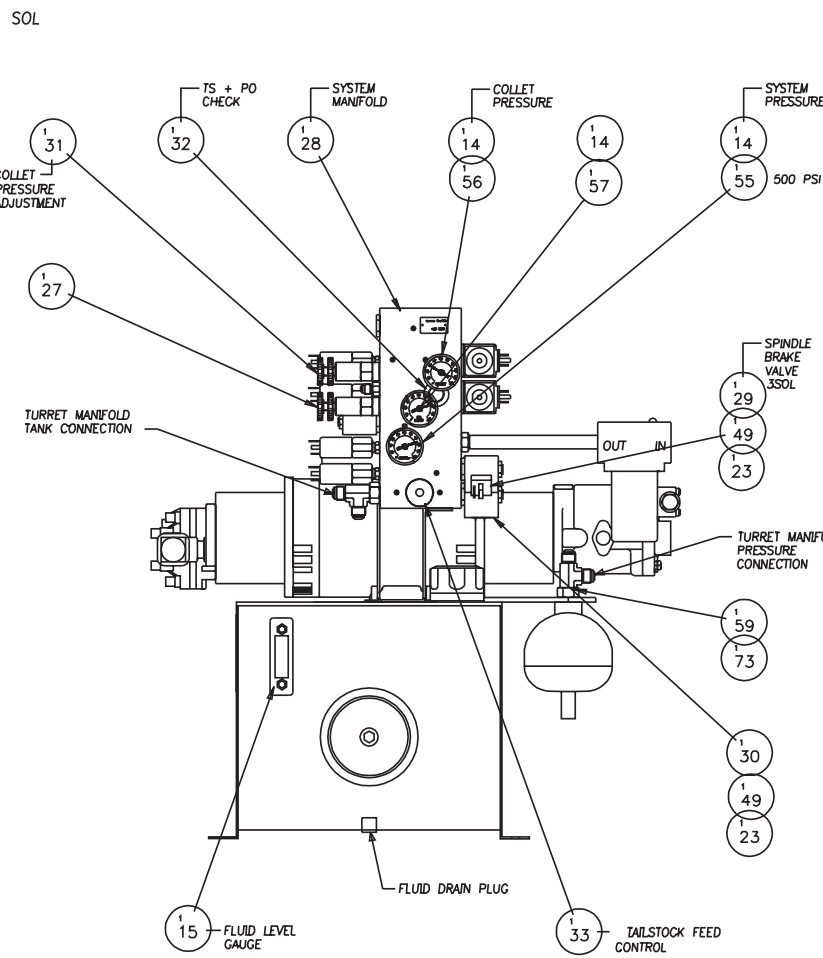
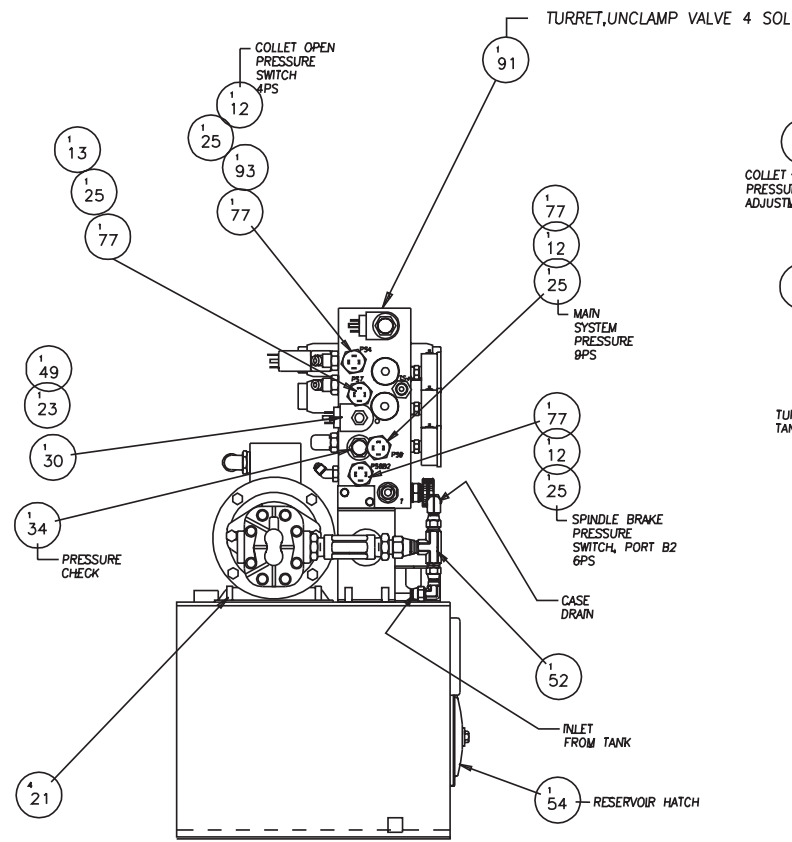
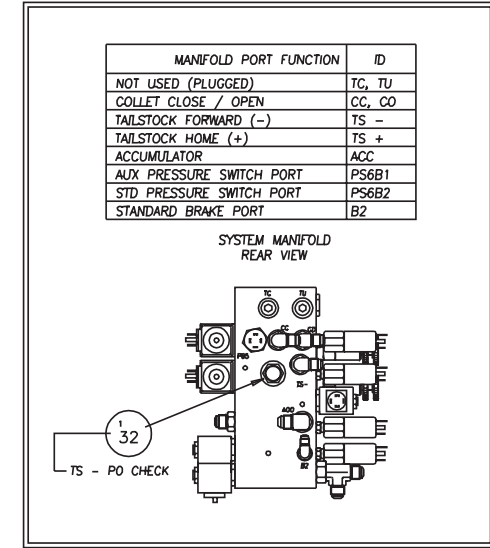
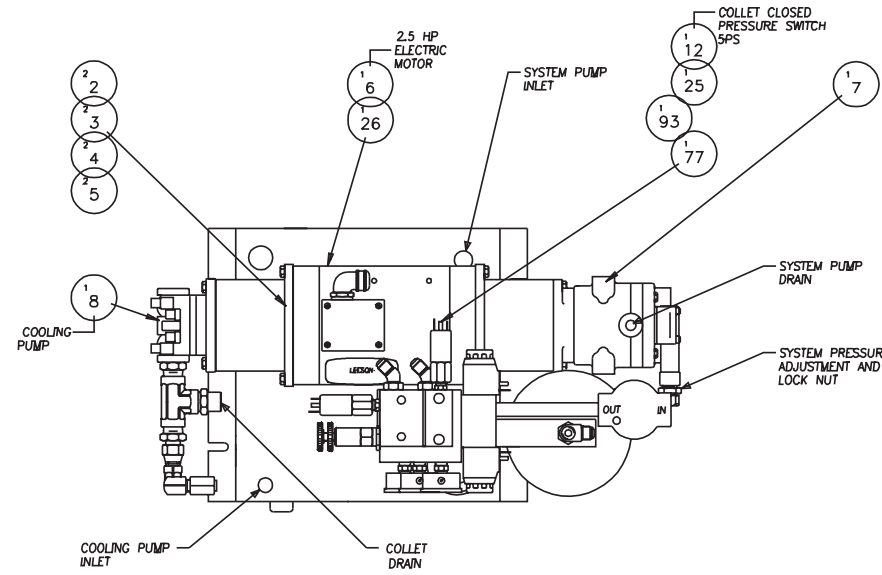
ITEM	PART NUMBER	QUANTITY	DESCRIPTION
1	SG 0003310 R	1.000	RESERVOIR, FLUID
2	SG 000838403	2.000	ADAPTER, PUMP MOTOR
3	SG 001179201	2.000	COUPLING
4	SG 001179202	2.000	COUPLING
5	CSA001005901	2.000	INSERT, L070 LOVEJOY
6	SG 0003325CE	1.000	MOTOR, ELEC. (2.5 HP 3 PH.)
7	SG 000332504CE	1.000	PUMP, SYSTEM (3GPM MAX)
8	SG 0003325CPRG	1.000	PUMP, COOLING
9	CL 000304805	1.000	VALVE, COLLET
10	CL 000304806	1.000	VALVE, LOWER TURRET
11	CL 001145201	2.000	BOLT KIT
12	CSA001173602	4.000	SWITCH, PRESSURE-60 RISE
13	CSA001173603	1.000	SWITCH, PRESSURE-60 RISE
14	CS 0011537	3.000	GAUGE, 1000 PSI
15	CS 0011318	1.000	GAUGE, LIQUID LEVEL
16	CS 0011927	1.000	STRAINER, FLOW EZY
17	SG 001077902	1.000	FILTER, PRESSURE
18	CS 001161401	1.000	FILTER, PALL ELEMENT
19	CS 0000128	1.000	COOLER, OIL
20	CL 001185004	1.000	FAN, MOTOR
21	SG 0010116CM	4.000	CUSHION, MOTOR
22	CS 001185010	1.000	FAN, COOLING
23	SG 001204207	5.000	DIN CABLE W/ LED
24	SG 001204208	2.000	DIN CABLE W/ LED
25	SG 001204209	6.000	DIN CABLE W/O LED
26	SG 000301101	1.000	MOTOR CABLE
27	CL 000304811	1.000	VALVE, PRESSURE REDUCING
28	CS 001023410	1.000	MANIFOLD
29	CL 000304807	1.000	VALVE, 4-WAY
30	CL 000304808	2.000	VALVE, 2-WAY
31	CS 000304804	1.000	VALVE, PRESSURE REDUCING
32	CS 001145207	3.000	VALVE, PILOT OPERATED CHECK
33	CL 001145203	1.000	VALVE, FLOW CONTROL
34	CS 001145209	1.000	VALVE, CHECK
35	SG 0011614	1.000	ACCUMULATOR, 1 QUART
36	SG 0007004	1.000	HOSE, SPINDLE BRAKE
37	SG 000700401LB	1.000	HOSE, TAILSTOCK FORWARD
38	SG 000700402LB	1.000	HOSE, TAILSTOCK HOME
39	SG 000700405LB	1.000	HOSE, TURRET (CLAMP)
40	SG 000700406LB	1.000	HOSE, TURRET (UNCLAMP)
41	SG 000700403	1.000	HOSE, COLLET OPEN
42	SG 000700404	1.000	HOSE, COLLET CLOSE
43	CL 000700410	1.000	HOSE, TO COOLER
44	CL 000700411	1.000	HOSE, FROM COOLER
45	SG 000700412	1.000	HOSE, COLLET DRAIN
46	SG 000700409LB	1.000	HOSE, TAILSTOCK HOME (EXT)
47	SG 000700408LB	1.000	HOSE, TAILSTOCK FWD (EXT)
48	CL 0008831	4.000	SOLENOID ASSY-VICKERS
49	CL 000883101	3.000	SOLENOID ASSEMBLY
50	CS 001078615	2.000	CONNECTOR, STRAIGHT THRD
51	CL 001078601	1.000	CONNECTOR, STRAIGHT
52	CS 001078617	1.000	TEE, SWIVEL NUT BRANCH
53	CL 001198008	1.000	SEAL KIT, VICKERS
54	CS 0000234 G	1.000	GASKET, 10" BUNA-N
55	CS 002011514	1.000	COVER, SYSTEM PRESSURE
56	CS 002011515	1.000	COVER, COLLET CLOSER
57	CS 002011516	1.000	COVER, TAILSTOCK PRESSURE
58	CS 001078606	1.000	CONNECTOR, STRAIGHT
59	CL 001078602	1.000	TEE, SWIVEL RUN

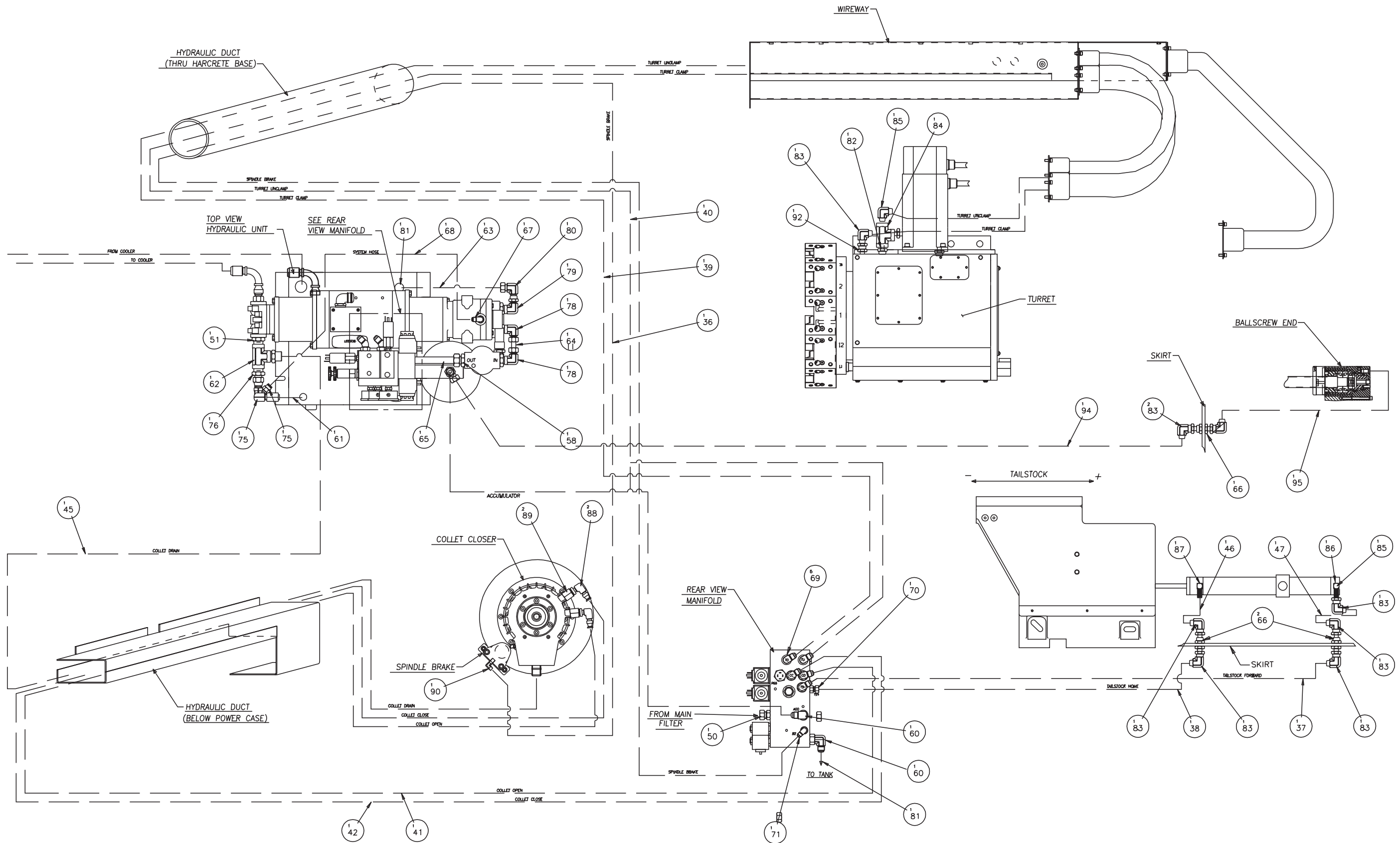
ITEM	PART NUMBER	QUANTITY	DESCRIPTION
60	CS 000838414	2.000	MALE, 90°
61	CL 000700419	1.000	TUBE, TANK TO RECIR PUMP
62	CL 001078604	1.000	TEE
63	CL 0007707	1.000	TUBE, SYSTEM PUMP INLET
64	CL 000770703	1.000	TUBE, PUMP TO FILTER
65	CL 000770704	1.000	TUBE, FILTER TO MANIFOLD
66	SG 0010786	3.000	FITTING, BULKHEAD STR.
67	CS 001078609	1.000	ELBOW, 90°
68	CL 000700413	1.000	HOSE, SYSTEM PUMP DRAIN
69	CS 001078701	5.000	ELBOW, 45°
70	CS 001078610	1.000	CONNECTOR, STRAIGHT
71	CS 001078702	1.000	ELBOW, 45°
72	CS 000838412	2.000	ADAPTER, STRAIGHT MALE
73	CL 001078603	1.000	BULKHEAD FITTING, STRAIGHT
75	CS 000770313	2.000	SWIVEL, 90°
76	CL 001078605	2.000	CONNECTOR, STRAIGHT
77	CL 001078606	5.000	CONNECTOR
78	CS 001078612	2.000	ELBOW, 90°
79	CS 001078613	1.000	ELBOW, 90°
80	CS 001078614	1.000	ELBOW, 90°
81	CL 000953203	2.000	GROMMET
82	CS 000838401 M	1.000	ADAPTER, 1/4 NPT X 1/4 BSPT
83	CS 000770312	8.000	MALE SWIVEL, 90°
84	CS 001145203	1.000	VALVE, FLOW CONTROL
85	CS 000838415	2.000	ADAPTER, 90°
86	HS 000838423	1.000	ADAPTER, ALTERED
87	CS 001125910	1.000	FITTING, MALE ELBOW BSPT
88	CS 001125911	2.000	90° CONNECTOR
89	CS 001125913	2.000	CONNECTOR, HYD.
90	AD 001133804	1.000	90° CONNECTOR
91	CS 000304810	1.000	VALVE, TURRET UNCLAMP
92	CS 0008384 M	1.000	ADAPTER, STRAIGHT
93	SG 001125902	2.000	SNUBBER GAGE
94	SG 0007004ZBS	1.000	HOSE, Z-BALLSCREW
95	SG 0007004ZBSE	1.000	HOSE, Z-BALLSCREW-EXT

# Hydraulic Unit, Big Bore Machine with Tailstock CE Mark

HYDRAULIC PUMP MOTOR WIRING

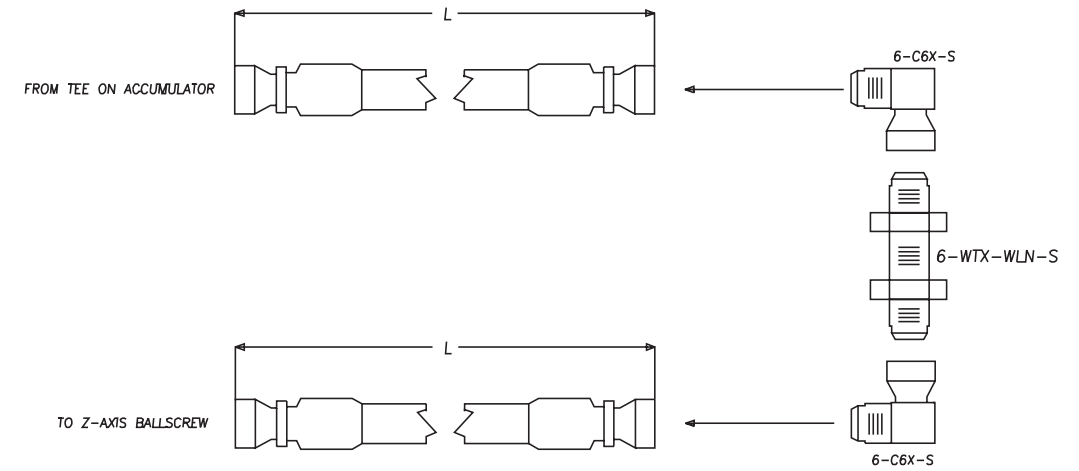
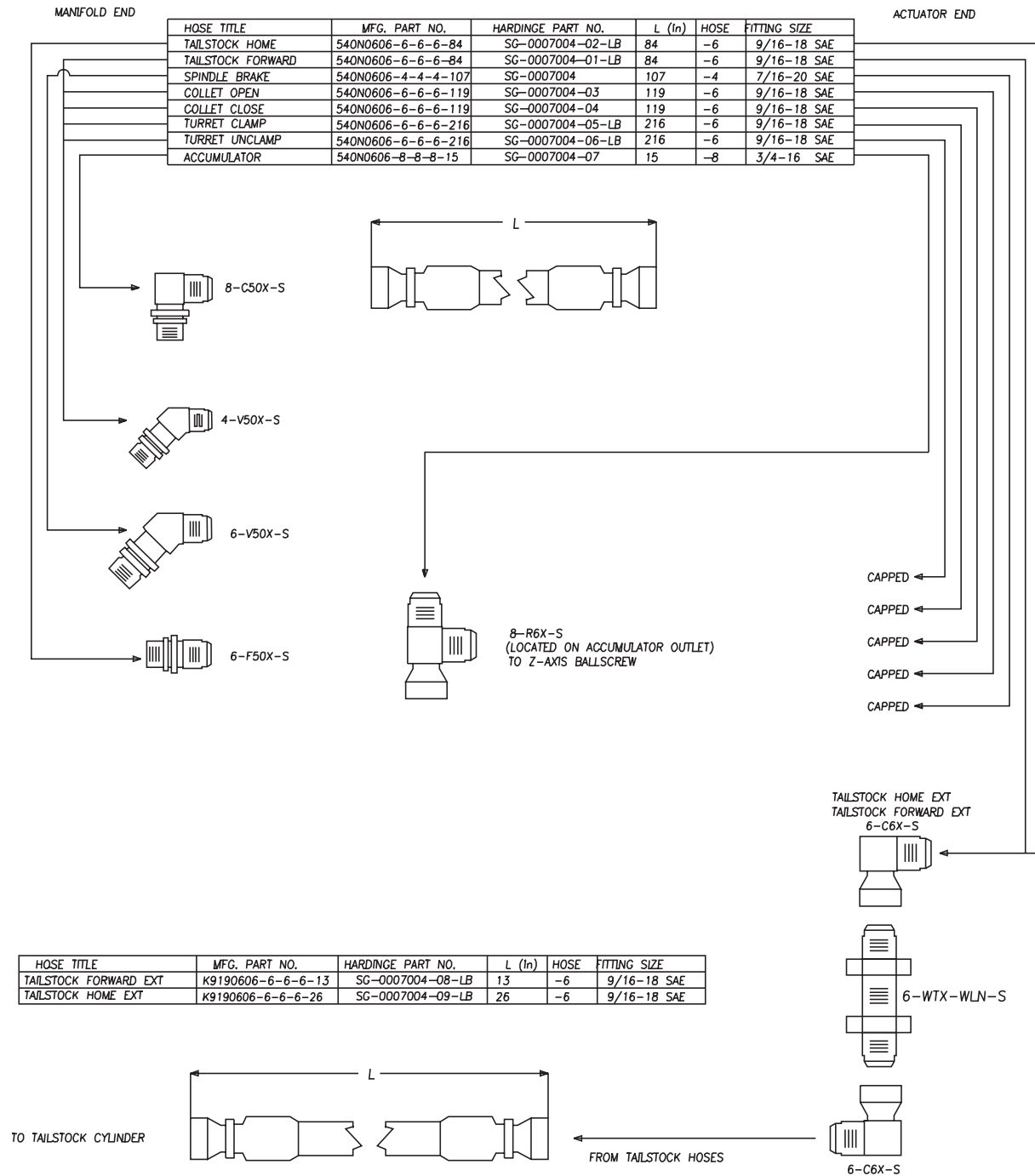
BLACK	T2 AND T8
WHITE	T1 AND T7
RED	T3 AND T9
JUMPER	T4-T5-T6
GREEN	GROUND



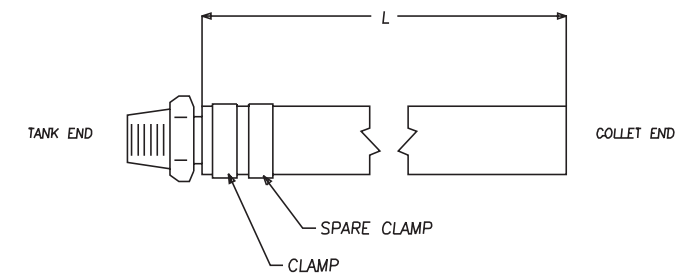


# Hydraulic Unit, Big Bore Machine with Tailstock CE Mark

HOSE TITLE	MFG. PART NO.	HARDINGE PART NO.	L (in)	HOSE	FITTING SIZE
Z-AXIS BALLSCREW	540N0606-8-6-6-84	SG-0007004-ZBS	84	-6	9/16-18 SAE, 3/4-16 SAE
Z-AXIS BALLSCREW (EXT)	K9190605-6-4-4-36	SG-0007004-ZBSE	36	-4	9/16-18 SAE, 7/16-20 'O'-RING



HOSE TITLE	MFG. PART NO.	HARDINGE PART NO.	L (in)	HOSE	FITTING SIZE
COLLET DRAIN	FHS-10-WH	SG-0007004-12	108	-16	3/4-14 NPT



ITEM	PART NUMBER	QUANTITY	DESCRIPTION
1	SG 0003310 R	1.000	RESERVOIR, FLUID
2	SG 000838404	2.000	ADAPTER, PUMP MOTOR
3	SG 001179203	2.000	COUPLING
4	SG 001179204	2.000	COUPLING
5	SG 0011792 P	2.000	INSERT, L070 LOVEJOY
6	SG 00033253M	1.000	MOTOR, ELEC. (2.5 HP 3 PH.)
7	SG 0003325PU	1.000	PUMP, SYSTEM (3GPM MAX)
8	SG 0003325CPRG	1.000	PUMP, COOLING
9	CL 000304805	1.000	VALVE, COLLET
10	CL 000304806	1.000	VALVE, LOWER TURRET
11	CL 001145201	2.000	BOLT KIT
12	CSA001173602	4.000	SWITCH, PRESSURE-60 RISE
13	CSA001173603	1.000	SWITCH, PRESSURE-60 RISE
14	CS 0011537	3.000	GAUGE, 1000 PSI
15	CS 0011318	1.000	GAUGE, LIQUID LEVEL
16	CS 0011927	1.000	STRAINER, FLOW EZY
17	SG 001077902	1.000	FILTER, PRESSURE
18	CS 001161401	1.000	FILTER, PALL ELEMENT
21	SG 0010116CM	4.000	CUSHION, MOTOR
23	SG 001204207	5.000	DIN CABLE W/ LED
24	SG 001204208	2.000	DIN CABLE W/ LED
25	SG 001204209	5.000	DIN CABLE W/O LED
26	SG 000301101	1.000	MOTOR CABLE
27	CL 000304811	1.000	VALVE, PRESSURE REDUCING
28	CS 001023410	1.000	MANIFOLD
29	CL 000304807	1.000	VALVE, 4-WAY
30	CL 000304808	2.000	VALVE, 2-WAY
31	CS 000304804	1.000	VALVE, PRESSURE REDUCING
32	CS 001145207	3.000	VALVE, PILOT OPERATED CHECK
33	CL 001145203	1.000	VALVE, FLOW CONTROL
34	CS 001145209	1.000	VALVE, CHECK
35	SG 0011614	1.000	ACCUMULATOR, 1 QUART
36	SG 0007004	1.000	HOSE, SPINDLE BRAKE
37	SG 000700401LB	1.000	HOSE, TAILSTOCK FORWARD
38	SG 000700402LB	1.000	HOSE, TAILSTOCK HOME
39	SG 000700405LB	1.000	HOSE, TURRET (CLAMP)
40	SG 000700406LB	1.000	HOSE, TURRET (UNCLAMP)
41	SG 000700403	1.000	HOSE, COLLET OPEN
42	SG 000700404	1.000	HOSE, COLLET CLOSE
45	SG 000700412	1.000	HOSE, COLLET DRAIN
46	SG 000700409LB	1.000	HOSE, TAILSTOCK HOME (EXT)
47	SG 000700408LB	1.000	HOSE, TAILSTOCK FWD (EXT)
48	CL 0008831	4.000	SOLENOID ASSY-VICKERS
49	CL 000883101	3.000	SOLENOID ASSEMBLY
50	CS 001078615	1.000	CONNECTOR, STRAIGHT THRD
51	CL 001078601	1.000	CONNECTOR, STRAIGHT
52	CS 001078617	1.000	TEE, SWIVEL NUT BRANCH
53	CL 001119808	1.000	SEAL KIT, VICKERS
54	CS 0000234 G	1.000	GASKET, 10" BUNA-N
55	CS 002011514	1.000	COVER, SYSTEM PRESSURE
56	CS 002011515	1.000	COVER, COLLET CLOSER
57	CS 002011516	1.000	COVER, TAILSTOCK PRESSURE
58	CS 001078606	1.000	CONNECTOR, STRAIGHT
59	CL 001078602	1.000	TEE, SWIVEL RUN
60	CS 000838414	2.000	MALE, 90°
61	CL 000700419	1.000	TUBE, TANK TO RECIR PUMP
62	CL 001078604	1.000	TEE
63	CL 0007707	1.000	TUBE, SYSTEM PUMP INLET
64	CL 000770703	1.000	TUBE, PUMP TO FILTER

ITEM	PART NUMBER	QUANTITY	DESCRIPTION
65	CL 000770704	1.000	TUBE, FILTER TO MANIFOLD
66	SG 0010786	3.000	FITTING, BULKHEAD STR.
67	CS 001078609	1.000	ELBOW, 90°
68	CL 000700413	1.000	HOSE, SYSTEM PUMP DRAIN
69	CS 001078701	5.000	ELBOW, 45°
70	CS 001078610	1.000	CONNECTOR, STRAIGHT
71	CS 001078702	1.000	ELBOW, 45°
73	CL 001078603	1.000	BULKHEAD FITTING, STRAIGHT
75	CS 000770313	2.000	SWIVEL, 90°
76	CL 001078605	1.000	CONNECTOR, STRAIGHT
77	CL 001078606	5.000	CONNECTOR
78	CS 001078612	2.000	ELBOW, 90°
79	CS 001078613	1.000	ELBOW, 90°
80	CS 001078614	1.000	ELBOW, 90°
81	CL 000953203	2.000	GROMMET
82	CS 000838401 M	1.000	ADAPTER, 1/4 NPT X 1/4 BSPT
83	CS 000770312	8.000	MALE SWIVEL, 90°
84	CS 001145203	1.000	VALVE, FLOW CONTROL
85	CS 000838415	2.000	ADAPTER, 90°
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**“Performance Has Established Leadership for Hardinge”®**

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