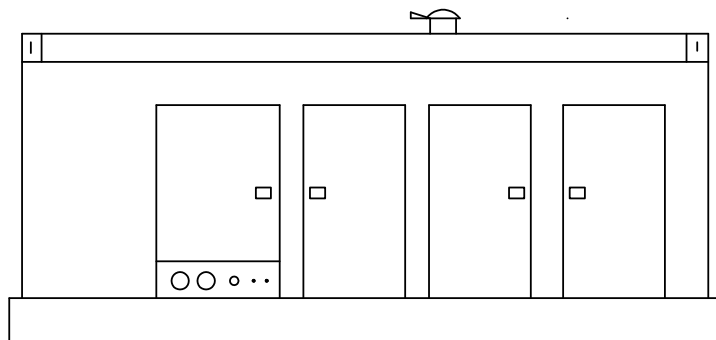
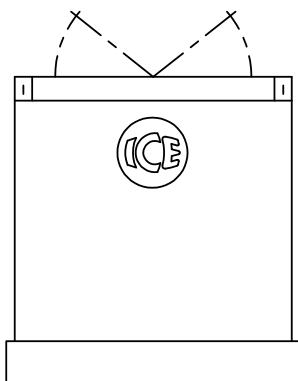
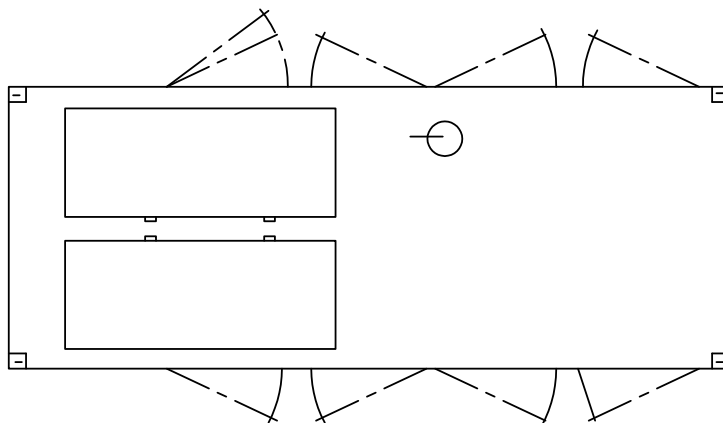


PARTS MANUAL

ICE 900 PP/RF

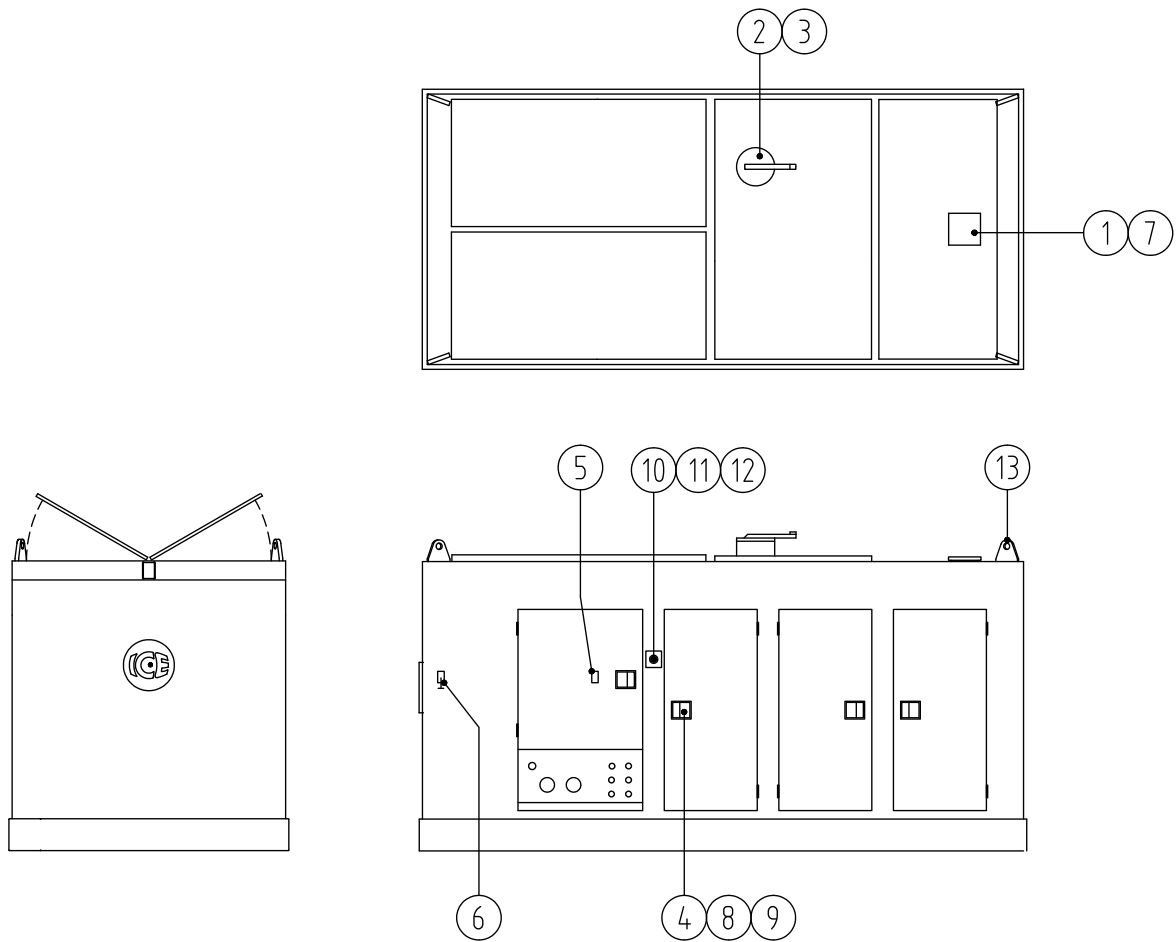
Parts Manual : **900RF043**
Revision :
Date : July 2005
Model : 900RF013
From Machine No. : 90PR110008 *and up*



UNWRITTEN PAGE

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ENCLOSURE



ENCLOSURE

<u>ITEM</u>	<u>QTY</u>	<u>DESCRIPTION</u>	<u>Part No.</u>
1	1	ASSEMBLY 900PP	895.988
2	1	EXHAUST SILENCER	9210059
3	1	RAIN CAP	9501009
4	9	DOORLOCK	790.109
5	2	DOOR HOOK HOLDER	9501014
6	2	DOOR HOOK	9501013
7	1	STICKERS CE	9504202
8	2	DOORKEY	9802059
9	9	DOORLOCK CILINDER	0006002
10	1	EMERGENCY STOP BUTTON	9407035
11	1	EMERGENCY STOP BOX	9407036
12	1	EMERGENCY ELEMENT	9407037
13	4	H-SHACKLE	9706013

INTERNAL

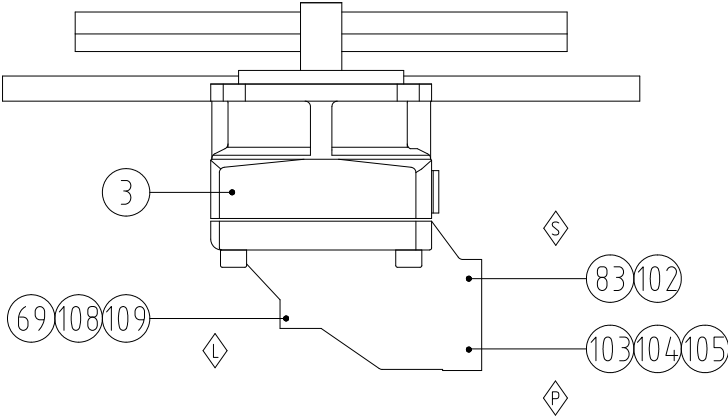


INTERNAL

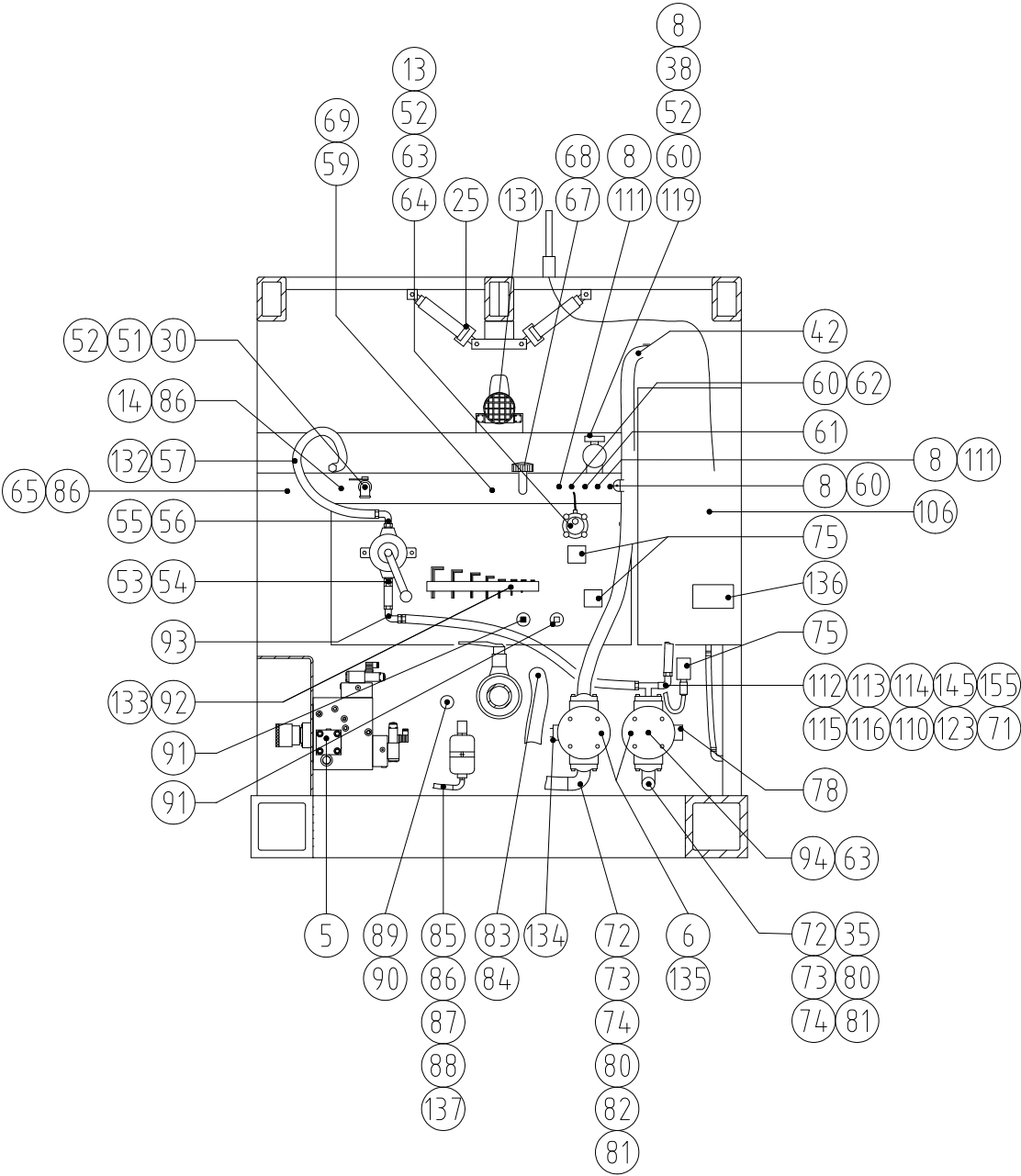
<u>ITEM</u>	<u>QTY</u>	<u>DESCRIPTION</u>	<u>Part No.</u>
1	1	DIESEL ENGINE	9410011
2	1	MAIN PUMP	9202043
3	1	CLAMP PUMP	9911004
4	1	HEAT EXCHANGER	790.768
5	1	DRIVE MANIFOLD	9508202
6	2	RETURN FILTER	140.179
7	1	HOSE025R02J004J004L03600	110.613
8	5	FITT2L-04M04P	100.145
9	1	HOSE075R01J912P012L06300	9811014
10	2	FITT2S-12S12M	790.804
11	1	FITT2C-12Q	790.979
12	1	MANUAL PUMP	9205012
13	1	FITT2L-02P04M	140.539
14	1	HOSE 038R01J006J906L05300	9811009
15	1	BALL VALVE 3/4"	9302012
16	1	HOSE075R01J012J912L01600	9811015
17	1	FUEL FILLING CAP	9501029
18	1	FUEL LEVEL METER	790.593
19	2	FUEL FILTER	110.996
20	1	FITT2L-04Q06M	9501030
21	2	FITT2S-04Q12P	100.186
22	2	FITT2L-06P06M	400.227
23	1	FILTER ELEMENT	790.919
24	2	HOSE038R01J006J006L05120	9501032
25	2	DOOR ACTUATOR	0105141
26	1	FUEL FILTER	790.093
27	1	FITT2S-06M08P	110.171
28	3	FITT2S-32M32P	140.523
29	1	HOSE038R01J006J006L02040	0204028
30	1	BALL VALVE	9307001
31	2	HOSE038R01J006J906L03050	9811016
32	2	FITT2S-04P06M	130.399
33	1	COOLANT LEVEL SWITCH	9411019
34	-	-	-
35	1	HOSE200R02J032F932L19000	790.784
36	1	SERVOMOTOR	790.379
37	2	OIL FILTER	110.998
38	1	COMPRESSOR	140.425
39	1	FLEX.AIRHOSE ø150 MM	9605007
40	2	AIRFILTER ELEMENT	790.041
41	1	WATER TEMP. SENDER	9906010
42	1	HOSE200R02J032F032L23200	9308031
43	4	ENGINE MOUNTING	790.933
44	1	ALTERNATOR	9501024
45	2	ACCU	9704002

INTERNAL

Detail Q



Section C - C

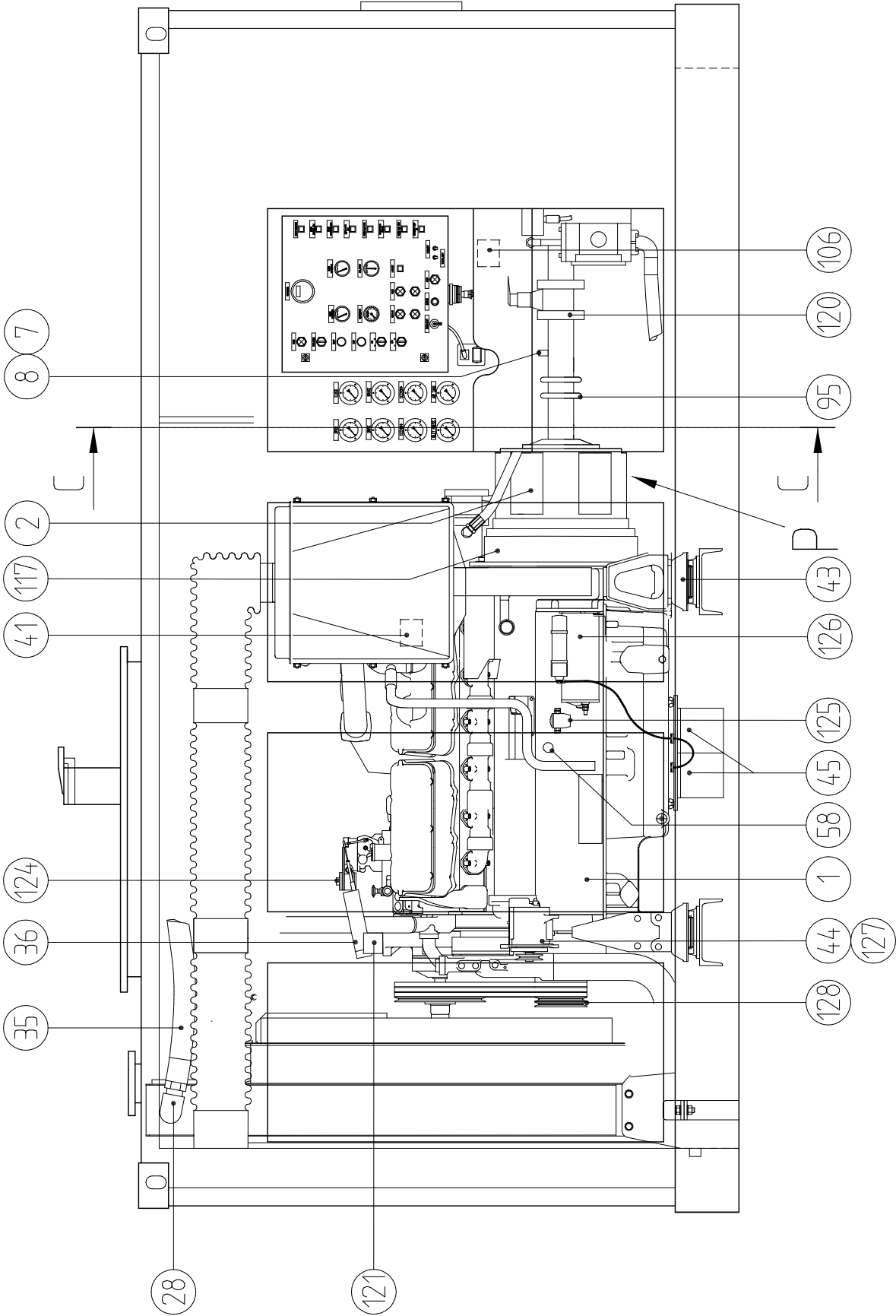


INTERNAL

<u>ITEM</u>	<u>QTY</u>	<u>DESCRIPTION</u>	<u>Part No.</u>
46	1	PICK-UP FILTER	140.191
47	2100	Ltr. HYDRAULIC OIL	100.723
48	1	BUTTERFLY VALVE 4"	790.386
49	1	MANUAL PUMP	100.447
50	1	ICE LOGO	400.277
51	1	FITT2L-04P04Q	300.197
52	3	FITT2S-04P04P	110.691
53	1	FITT2S-20P16P	100.881
54	1	CHECK VALVE	100.451
55	1	FITT2S-20P16Q	110.089
56	1	FITT2L-16P16Q	110.377
57	1	HOSE100R01P016P016L08400	400.215
58	1	OIL PRESSURE SENDER	9906009
59	1	FITT9L-04P18A	0507002
60	2	HOSE025R02J004J004L01900	100.149
61	1	FITT2P-04P	100.845
62	1	FITT2S-04M04P	110.203
63	1	HOSE050R01J008J008L12200	0507003
64	1	FLOAT SWITCH	100.314
65	1	HOSE038R01J006J406L10700	9709020
66	-	-	-
67	1	FITT2S-16P12Q	100.453
68	1	BREATHER	140.105
69	1	HOSE038R01V018V418L14000	0403005
70	-	-	-
71	-	-	-
72	3	O-RING #232	400.379
73	3	FLANGE	9301011
74	24	SHCS ½" - 13 x 1¼"	100.119
75	3	TEMPERATURE SWITCH	9810044
76	-	-	-
77	-	-	-
78	1	DIRT INDICATOR	100.775
79	1	HOSE200R02J032F932L12800	9709005
80	3	SPLIT FLANGE KIT #32	140.261
81	3	O-RING #228	140.233
82	1	HOSE200R02F932F932L04750	9709004
83	1	HOSE100R01V436V036L05700	9911019
84	1	FITT9S-16P36A	9702001
85	1	ACCUMULATOR	810.295
86	4	FITT2L-06M04P	100.717
87	1	ADAPTER + ¼" NPT	790.441
88	1	FITT2P-04P	9203031
89	1	HOSE100R02J016J016L04350	9308034
90	1	FITT2L-16P16M	120.055

INTERNAL

VIEW A

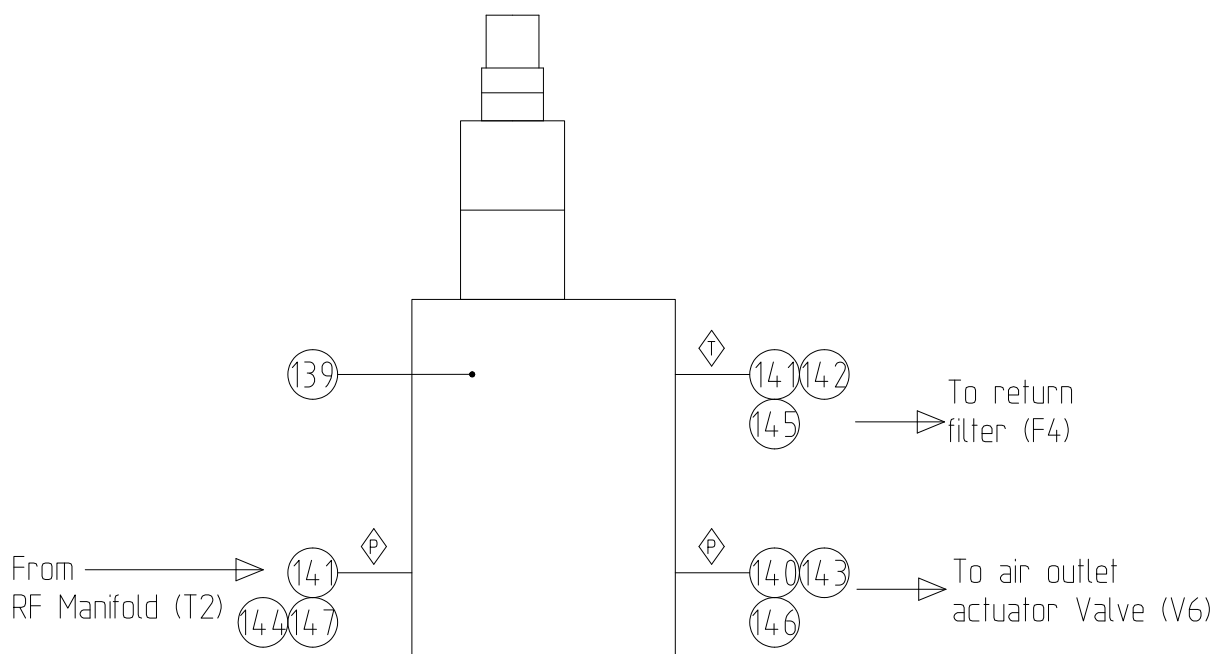


INTERNAL

<u>ITEM</u>	<u>QTY</u>	<u>DESCRIPTION</u>	<u>Part No.</u>
91	2	FITT2P-16P	9308057
92	1	KEY HOLDER	100.600
93	1	FITT2L-16P12M	9708001
94	1	FITT2L-08M08P	300.063
95	2	FLEXIBLE COUPLING	110.347
102	1	FITT9S-12R36A	0005061
103	1	FITT2V-12R12M	300.101
104	1	HOSE050R02J008J008L08850	0403004
105	1	FITT2S-12M08J	0210011
106	1	RECEIVER	9611030
107	1	BATTERY HOLDER	9611028
108	1	FITT9S-06R18A	0005063
109	1	FITT9L-18A18V	9806035
110	1	FITT2S-04M08J	0507001
111	1	HOSE025R01J004J004L03450	9412031
112	1	HOSE075R01J012J012L04650	110.533
113	1	FITT2T-12M12P12M	130.127
114	1	FITT2L-12M12J	100.769
115	1	FITT2T-08M08M08J	790.660
116	1	FITT2S-08M12J	9408012
117	1	DRIVE COUPLING	110.787
118	1	PUMP MOUNTING BRACKET	130.091
119	1	CHECK VALVE	140.509
120	2	WELDING FLANGE	790.472
121	1	SERVOMOTOR SUPPORT	791.151
122	1	FITT2S-12P16P	9307004
123	2	FITT2L-04M04J	140.417
124	1	STOP SOLENOID	9310001
125	1	START RELAY	790.514
126	1	STARTER ENGINE	790.022
127	1	V-BELT ALTERNATOR	9810006
128	1	V-BELT FAN GROUP	9810005
129	1	BALL VALVE	9307002
130	1	PICK UP SENDER	790.473
131	1	INTERIOR LIGHT	9606007
132	1	FITT2C-16Q	790.980
133	1	ALLEN KEY SET	100.653
134	1	FILTER PRESSURE SWITCH	140.413
135	2	FILTER ELEMENT	140.403
136	1	OVER SPEED SWITCH	790.720
137	1	HOSE038R02J006J406L04750	9811008
138	1	MANUAL PUMP	790.000

INTERNAL

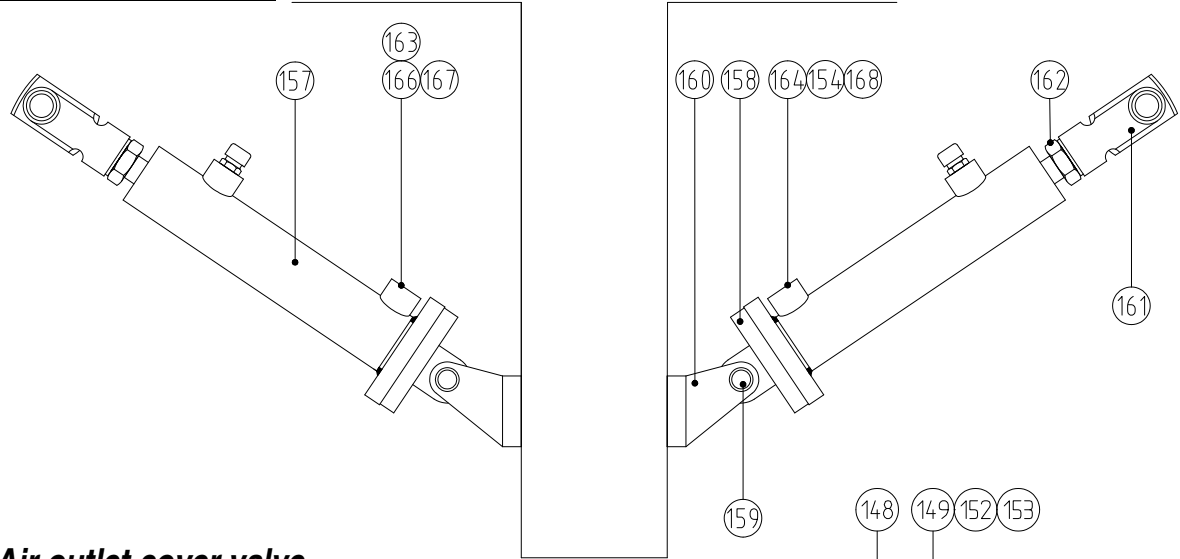
Relief valve assembly



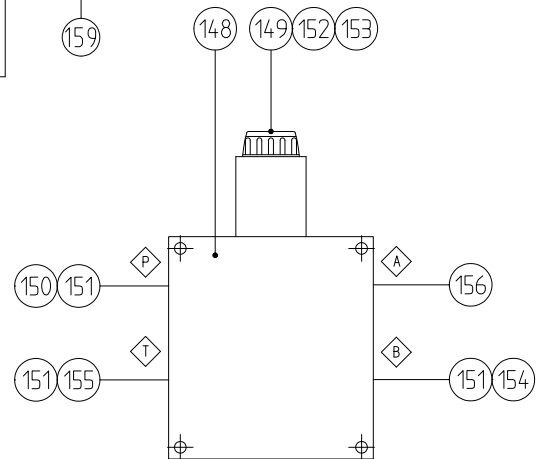
<u>ITEM</u>	<u>QTY</u>	<u>DESCRIPTION</u>	<u>Part No.</u>
139	1	RELIEF VALVE	9911008
140	1	FITT2S-04G12S	0403002
141	2	FITT2S-08G12S	9507015
142	1	FITT2L-08M08S	9304012
143	1	FITT2L-04M04S	9501002
144	1	HOSE050R01J908J008L05100	0403006
145	1	HOSE050R01J008J408L13800	0403008
146	1	HOSE025R01J004J404L07500	0403007
147	1	FITT2S-08M08S	794.142

INTERNAL

Air outlet actuators

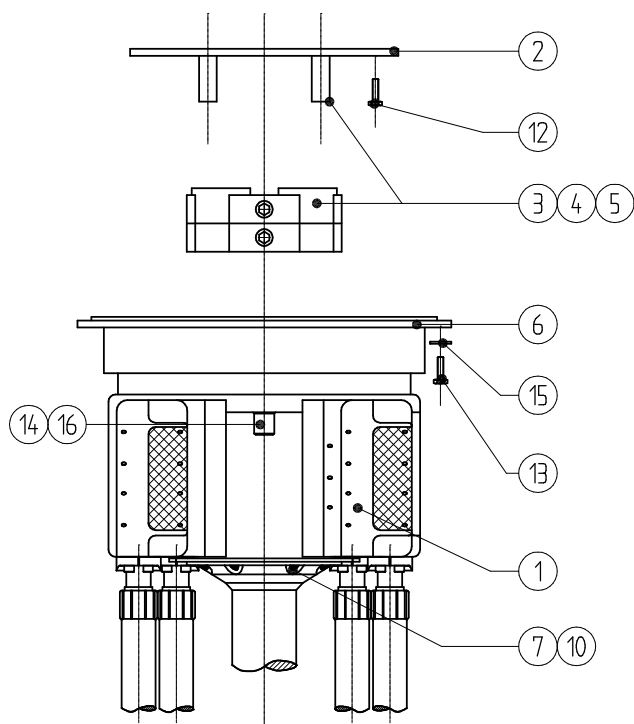
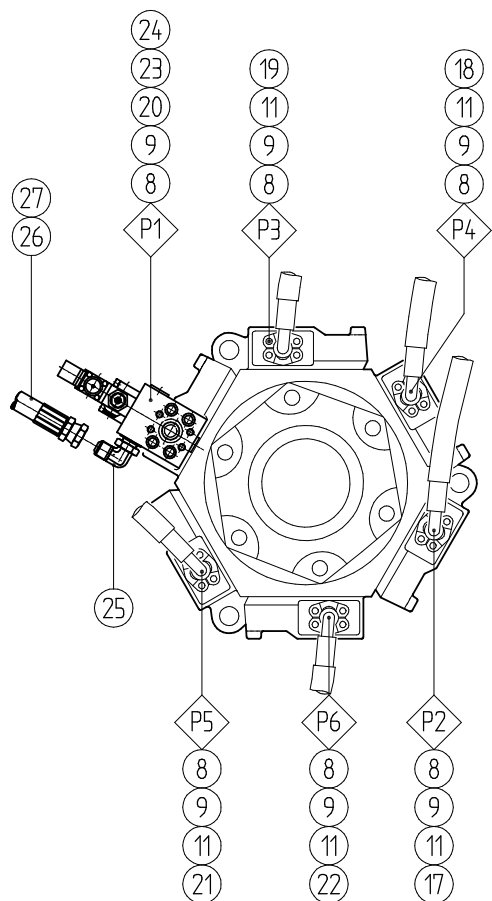


Air outlet cover valve



ITEM	QTY	DESCRIPTION	Part No.
148	1	BASE PLATE NG 06/3/8	9805004
149	1	4/2 VALVE	9611016
150	1	HOSE025R01J004J404L07500	0403007
151	3	FITT2S-06S04M	791.103
152	1	PIN BUSHING	0105013
153	4	SHCS M5 X 50	790.500
154	1	HOSE025R01J004J904L10000	9612028
155	1	HOSE025R01J004J904L08300	0403009
156	1	FITT2P-06S	791.104
157	2	HYDRAULIC CILINDER	0105141
158	2	HINGE BRACKET	0105023
159	2	HINGE PEN	0105025
160	2	SUPPORT	0105024
161	2	FORK	0105026
162	2	HEX NUT	0106001
163	2	FITT2S-04M 06S	791.103
164	1	FITT2T-04M04J04M	0403001
165	-	-	-
166	1	HOSE025R01J004J904L02050	0403010
167	2	FITT2P-02P (INCL. ORIFICE)	100.646
168	1	FITT2L-04M 04J	140.417

DRIVE PUMP ASSEMBLY



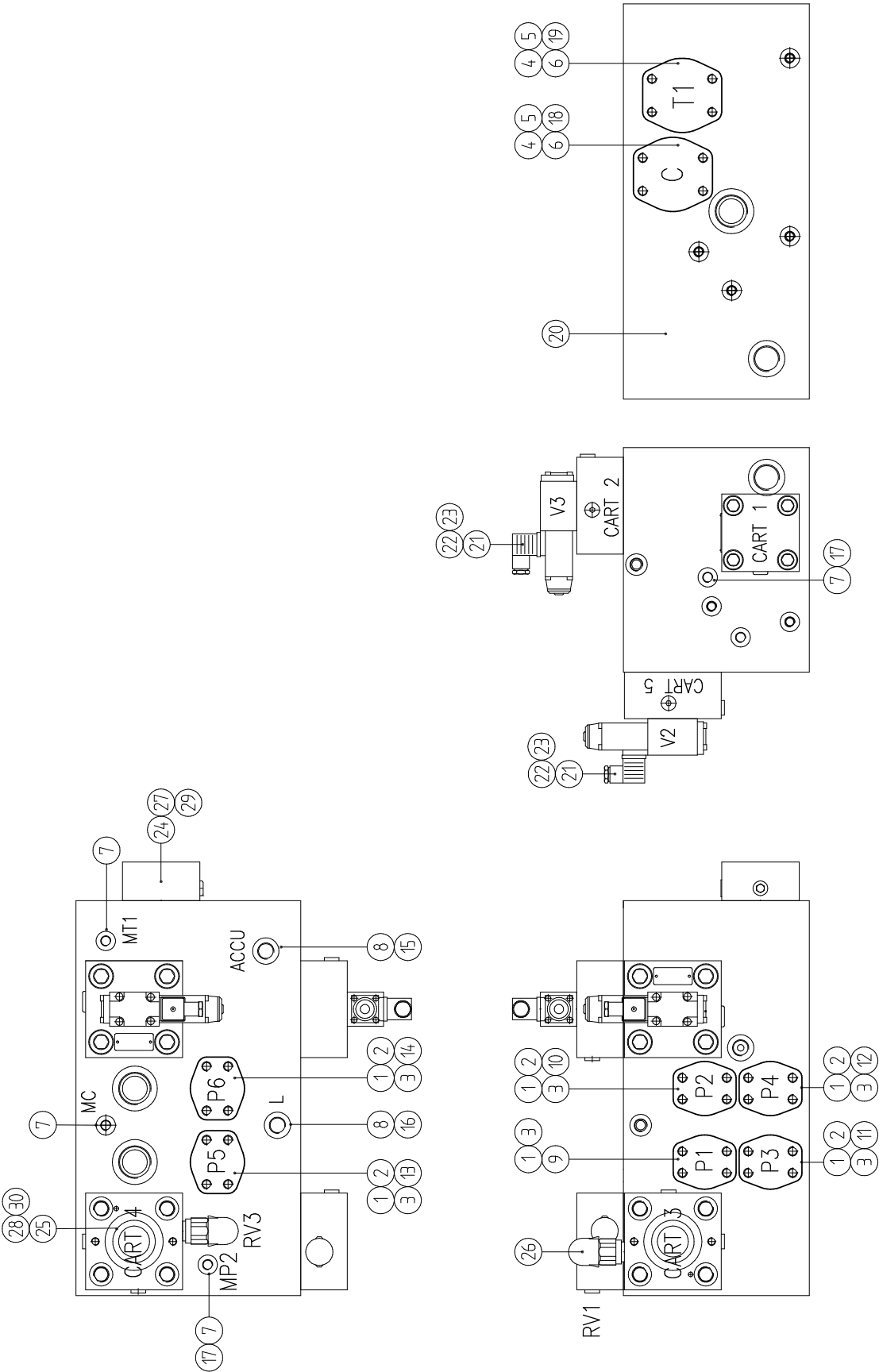
DRIVE PUMP ASSEMBLY

<u>ITEM</u>	<u>QTY</u>	<u>DESCRIPTION</u>	<u>Part No.</u>
1	1	DRIVE PUMP	9202043
2	1	FLYWHEEL ADAPTER	810.165
3	1	DRIVE COUPLING (COMPLETE)	110.787
4	1	COUPLING INSERT (SET OF 8 PIECES)	9210030
5	-	-	-
6	1	PUMP ADAPTER	810.177
7	1	PICK UP FLANGE	110.571
8	6	SPLIT FLANGE KIT #219	100.927
9	6	O-RING #219	100.091
10	8	SHCS M12 x 30	110.635
11	24	SHCS M12 x 55	790.013
12	8	SHCS ½" - 13 x 1½"	100.513
13	16	SHCS ½" - 13 x 2"	100.011
14	3	SHCS 1" - 8 x 2¾"	100.207
15	16	LOCKWASHER ½"	100.121
16	3	LOCKWASHER 1"	100.209
17	1	HOSE100PT4H016H416L04600	9709008
18	1	HOSE100PT4H016H416L05500	9709009
19	1	HOSE100PT4H016H416L05900	9709007
20	1	HOSE100PT4H016H416L06300	9709006
21	1	HOSE100PT4H016H016L04251	9709010
22	1	HOSE100PT4H016H416L03500	9709011

OPTIONAL

<u>ITEM</u>	<u>QTY</u>	<u>DESCRIPTION</u>	<u>Part No.</u>
23	1	PUMPHEAD VALVE	9201007
24	1	FITT2P-16S	791.277
25	1	FITT2L-16M16S	794.134
26	1	FITT2S-16M16P	110.823
27	1	HOSE100R01J016J016L03000	0003011

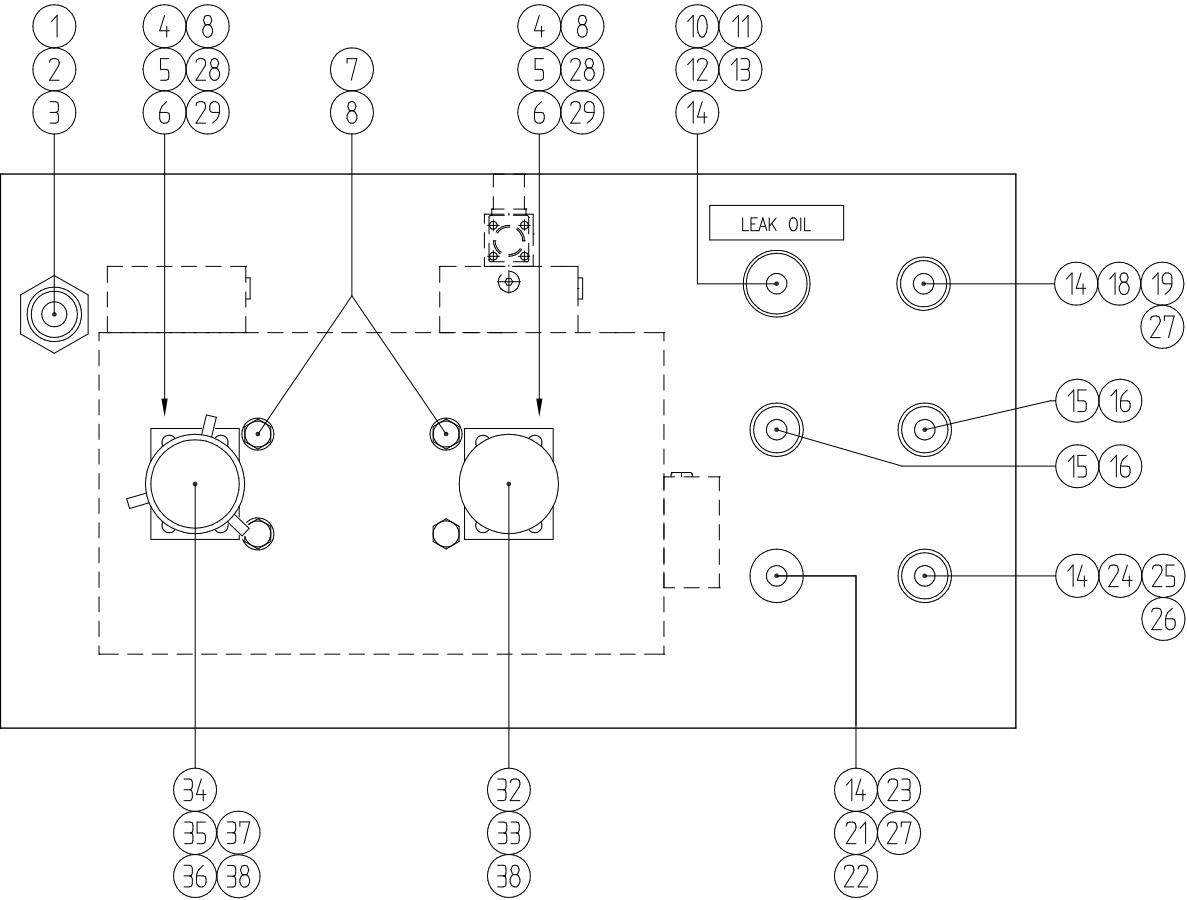
DRIVE MANIFOLD ASSEMBLY



DRIVE MANIFOLD ASSEMBLY

<u>ITEM</u>	<u>QTY</u>	<u>DESCRIPTION</u>	<u>Part No.</u>
1	6	O-RING #219	100.091
2	5	SPLIT FLANGE KIT #16	100.927
3	24	SHCS M12 x 45	790.013
4	2	O-RING #228	140.233
5	2	SPLIT FLANGE KIT #32	140.261
6	8	SHCS M12 x 35	9611024
7	4	MEASURE COUPLING	790.909
8	2	FITT2S-06M08S	9507014
9	1	HOSE100PT4H016H416L06300	9709006
10	1	HOSE100PT4H016H416L04600	9709008
11	1	HOSE100PT4H016H416L05900	9709007
12	1	HOSE100PT4H016H416L05500	9709009
13	1	HOSE100PT4H016H016L04250	9709010
14	1	HOSE100PT4H016H416L03500	9709011
15	1	HOSE038R02J006J406L04750	9811008
16	1	HOSE 038R01J006J906L05300	9811009
17	2	MEASURE HOSE	9603004
18	1	HOSE200R02F932J032L12800	9709005
19	1	HOSE200R02F932F932L04750	9709004
20	1	DRIVE MANIFOLD	9508202
21	2	PIN BUSHING	0105013
22	2	CONTROL VALVE (V2, V3)	9611016
23	8	SHCS M5 x 50	790.500
24	4	SHCS M16 x 60	790.085
25	16	SHCS M20 x 70	520.226
26	2	RELIEFVALVE (RV1, 3)	9908004
27	1	CARTRIDGE (CART. 1)	9908005
28	4	CARTRIDGE (CART. 2-5)	9908006
29	1	SEALKIT	9611201
30	4	SEALKIT	9908201

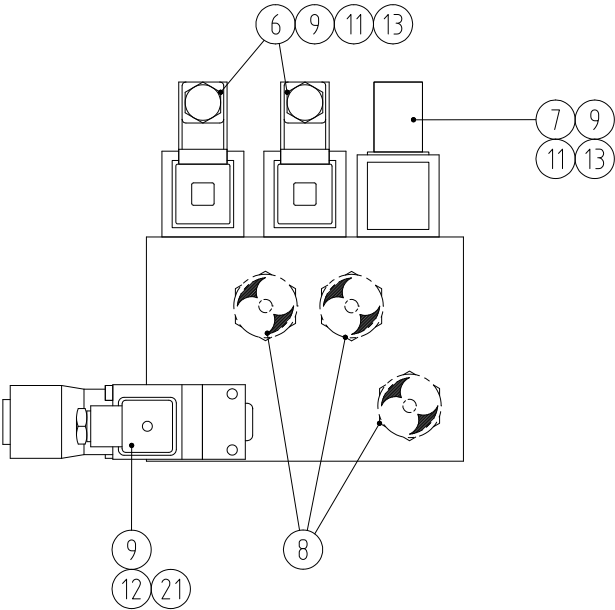
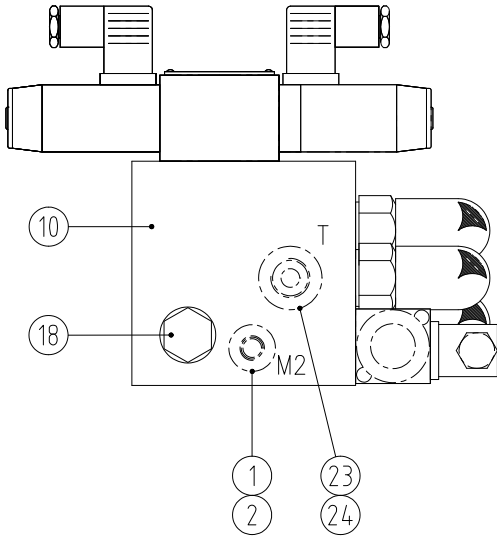
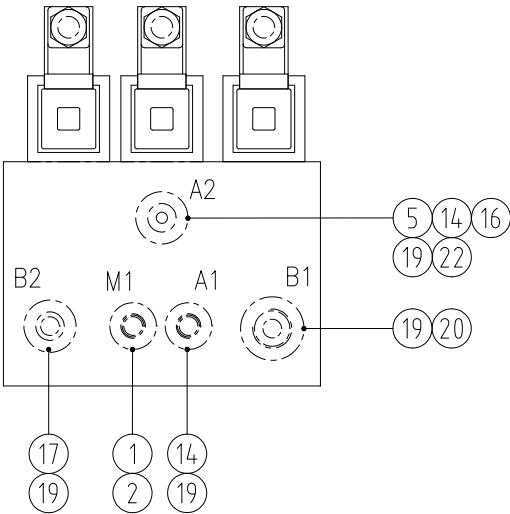
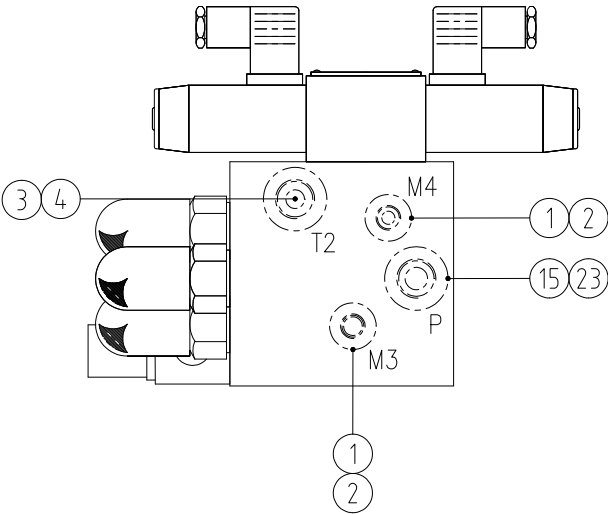
DRIVE MANIFOLD ASSEMBLY - CONNNECTIONS



DRIVE MANIFOLD ASSEMBLY - CONNECTIONS

<u>ITEM</u>	<u>QTY</u>	<u>DESCRIPTION</u>	<u>Part No.</u>
1	1	COUPLER FEMALE 1"	120.025
2	1	DUST PLUG 1"	120.027
3	1	FITT2S-16B16B16P	120.095
4	2	COUPLER ADAPTER	9711004
5	8	SHCS M20 x 70	520.226
6	2	O-RING #228	140.233
7	4	SHCS M20 x 50	9403001
8	12	LOCKWASHER M20	520.225
9	-	-	-
10	1	FITT2S-08P06Q	400.357
11	1	COUPLER FEMALE 1/2"	9406013
12	1	DUST PLUG 1/2"	9406015
13	1	HOSE038R01J006J406L10700	9709020
14	6	FITT2S-06B06P	9406017
15	2	COUPLER FEMALE 3/8"	9404007
16	2	DUST PLUG 3/8"	9404009
17	-	-	-
18	1	COUPLER MALE 3/8"	9404008
19	1	DUST CAP 3/8"	9404010
20	-	-	-
21	1	FEMALE DISCONNECT 3/8"	100.777
22	1	DUST PLUG 3/8"	100.737
23	1	FITT2S-06Q06Q	110.143
24	1	HOSE038R02J006J006L01850	9709018
25	1	MALE DISCONNECT 3/8"	100.245
26	1	DUST CAP 3/8"	100.257
27	2	HOSE038R02J006J406L02900	9709017
28	2	BONDED SEAL	9308009
29	2	FITT2S-32P32S	9210060
30	-	-	-
31	-	-	-
32	1	MALE DISCONNECT 2"	140.037
33	1	DUST CAP 2"	140.041
34	1	FEMALE DISCONNECT 2"	140.035
35	1	DUST PLUG 2"	140.039
36	2	O-RING	110.910
37	2	BACK-UP RING	790.135
38	2	INSERT KIT	790.375

RF MANIFOLD ASSEMBLY



RF MANIFOLD ASSEMBLY

<u>ITEM</u>	<u>QTY</u>	<u>DESCRIPTION</u>	<u>Part No.</u>
1	4	MEASURE COUPLING	790.909
2	4	MEASURE HOSE	9612006
3	1	HOSE050R01J908J008L05100	0403006
4	1	FITT2L-08M08S	9304012
5	1	HOSE038R02J006J406L03050	0107022
6	2	4/3 VALVE	9809004
7	1	4/2 VALVE	0402001
8	3	RELIEF VALVE	9611022
9	6	PIN BUSHING	0105013
10	1	CLAMP/RF MANIFOLD	0303203
11	12	O-RING	0011043
12	1	PRESSURE SWITCH	9611020
13	12	SHCS M5 x 50	790.500
14	2	HOSE 038R02J406J006L02900	9709017
15	1	HOSE050R02J008J008L08850	0403004
16	1	FITT2L-06M06J	400.411
17	1	HOSE038R02J006J406L02950	0403011
18	1	CHECK VALVE	9607023
19	4	FITT2S-06S06M	795.087
20	1	HOSE038R02J006J406L02700	9709018
21	2	SHCS M5 x 55	9611021
22	1	FITT2T-06J06M06M	9210021
23	2	FITT2S-08M08S	794.142
24	1	HOSE050R01J008J008L12200	0507003

CONNECTION OF HYDRAULIC HOSES

INTERNAL

<u>ITEM</u>	<u>FROM</u>	<u>TO</u>	<u>Part. No.</u>
7	SUNCTION LINE	METER PUMP PRESS. (IN)	110.613
9	MANUAL PUMP	-	9811014
14	HYDR. TANK	DRIVE MANIFOLD (L)	9811009
16	MANUAL PUMP	CARTER (ENGINE)	9811015
24	FUEL TANK	ENGINE (IN / OUT)	9501032
29	WATERSEPARATOR	ENGINE	0204028
31	COOLANT LEVEL SWITCH	ENGINE / RADIATOR	9811016
35	COOLER (TOP LEFT)	RETURN FILTER (BOTTOM RIGHT)	790.784
42	COOLER (TOP RIGHT)	RETURN FILTER (TOP LEFT)	9308031
57	MANUAL PUMP	-	400.215
60	HYDR. TANK	COMPRESSOR	100.149
60	HYDR. TANK	FLOTTER	100.149
65	HYDR. TANK	LEAK OIL (SMALL)	9709020
69	HYDR. TANK	CLAMP PUMP (L)	0403005
79	DRIVE MANIFOLD	COOLER (BOTTOM RIGHT)	9709005
82	DRIVE MANIFOLD (T)	RETURN FILTER (BOTTOM LEFT)	9709004
83	HYDR. TANK	CLAMP PUMP (S)	9911019
89	HYDR. TANK	LEAK OIL (BIG)	9308034
104	RF MANIFOLD (P)	CLAMP PUMP (P)	0403004
111	HYDR. TANK	MANOMETER (AIR TANK)	9412031
111	HYDR. TANK	PRESSURE SWITCH	9412031
112	MANUAL PUMP	RETURN FILTER TOP RIGHT (F4)	110.533
137	DRIVE MANIFOLD	ACCUMULATOR	9811008
144	RELIEF VALVE (RV7)	RF MANIFOLD (T2)	0403006
145	RELIEF VALVE (RV7)	RETURN FILTER TOP RIGHT (F4)	0403008
146	RELIEF VALVE (RV7)	CONTROL VALVE (V6)	0403007
150	CONTROL VALVE (V6)	RELIEF VALVE (RV7)	0403007
154	CONTROL VALVE (V6)	ACTUATOR AIR OUTLET	9612028
155	CONTROL VALVE (V6)	RETURN FILTER (TOP RIGHT)	0403009
166	ACTUATOR AIR OUTLET	ACTUATOR AIR OUTLET	0403010

CONNECTION OF HYDRAULIC HOSES

DRIVE PUMP

<u>ITEM</u>	<u>FROM</u>	<u>TO</u>	<u>Part. No.</u>
17	DRIVE MANIFOLD (P2)	MAIN PUMP (P2)	9709008
18	DRIVE MANIFOLD (P4)	MAIN PUMP (P4)	9709009
19	DRIVE MANIFOLD (P3)	MAIN PUMP (P3)	9709007
20	DRIVE MANIFOLD (P1)	MAIN PUMP (P1)	9709006
21	DRIVE MANIFOLD (P5)	MAIN PUMP (P5)	9709010
22	DRIVE MANIFOLD (P6)	MAIN PUMP (P6)	9709011

DRIVE MANIFOLD

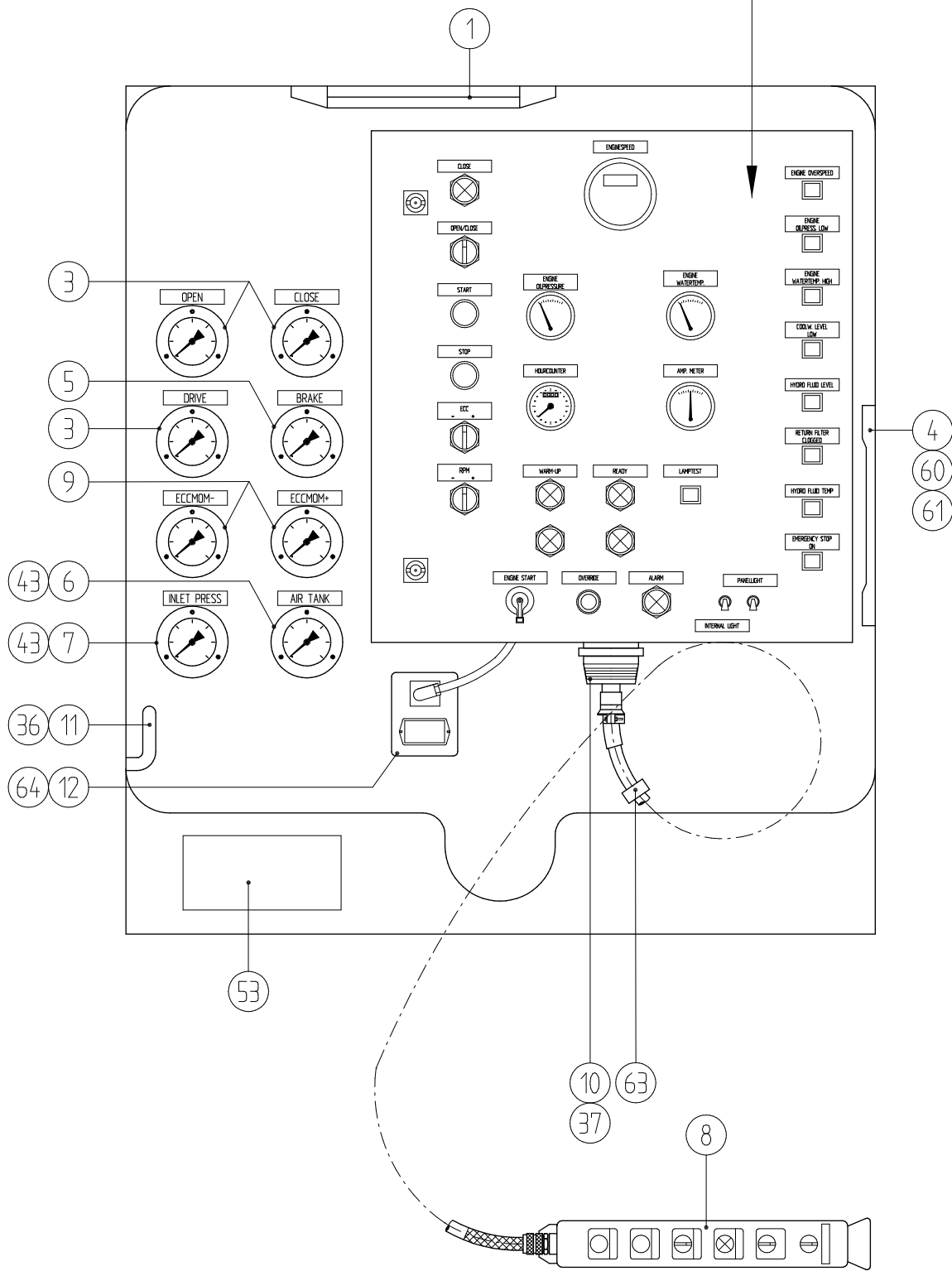
<u>ITEM</u>	<u>FROM</u>	<u>TO</u>	<u>Part. No.</u>
15	DRIVE MANIFOLD	ACCUMULATOR	9811008
16	DRIVE MANIFOLD	HYDR. TANK	9811009
17	DRIVE MANIFOLD (M1)	MANOMETER (REV.)	9603004
17	DRIVE MANIFOLD (M2)	MANOMETER (FORW.)	9603004

RF MANIFOLD ASSEMBLY

<u>ITEM</u>	<u>FROM</u>	<u>TO</u>	<u>Part. No.</u>
2	RF MANIFOLD (M1)	MANOMETER (CLOSE)	9612006
2	RF MANIFOLD (M2)	MANOMETER (OPEN)	9612006
2	RF MANIFOLD (M3)	MANOMETER (ROT. ACT.)	9612006
2	RF MANIFOLD (M4)	MANOMETER (ROT. ACT.)	9612006
3	RF MANIFOLD (T2)	RELIEF VALVE RV7 (P)	0403006
5	RF MANIFOLD (A2)	COUPLING (QD6)	0107022
14	RF MANIFOLD (A2)	COUPLING (QD6)	9709017
14	RF MANIFOLD (A1)	COUPLING (QD4)	9709017
15	PUMP (P2)	RF MANIFOLD (P)	0403004
17	RF MANIFOLD (B2)	COUPLING (QD7)	0403011
20	RF MANIFOLD (B1)	COUPLING (QD3)	9709018
24	RF MANIFOLD (T1)	RETURN FILTER (RIGHT)	0507003

CONTROL PANEL

DETAIL A

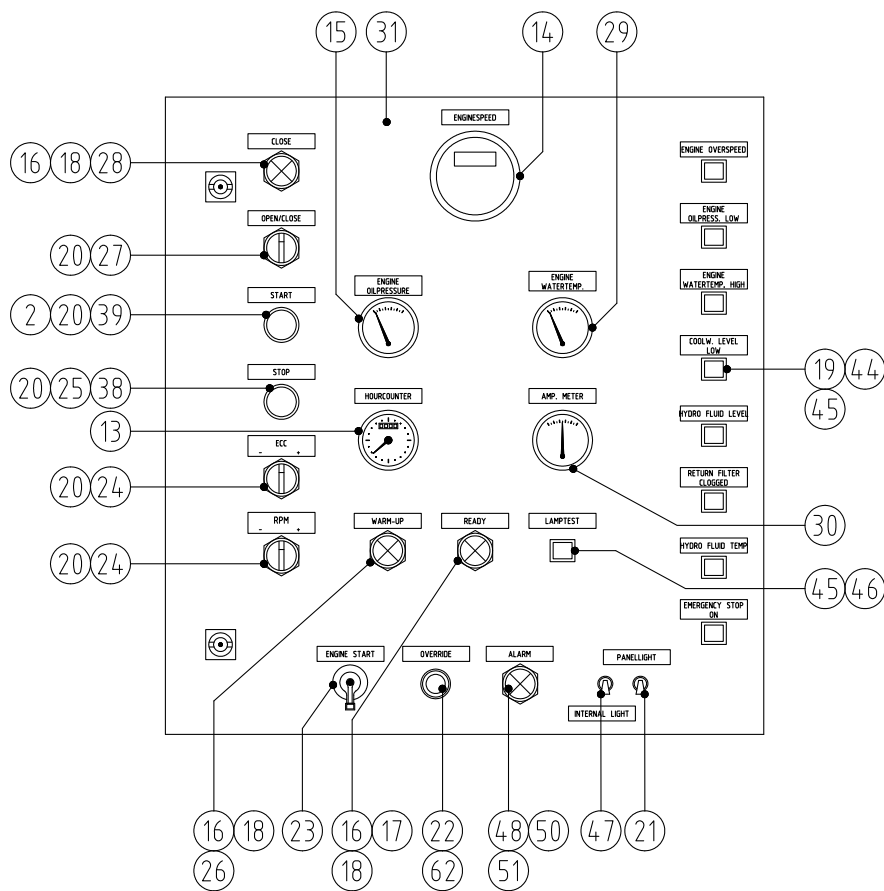


CONTROL PANEL

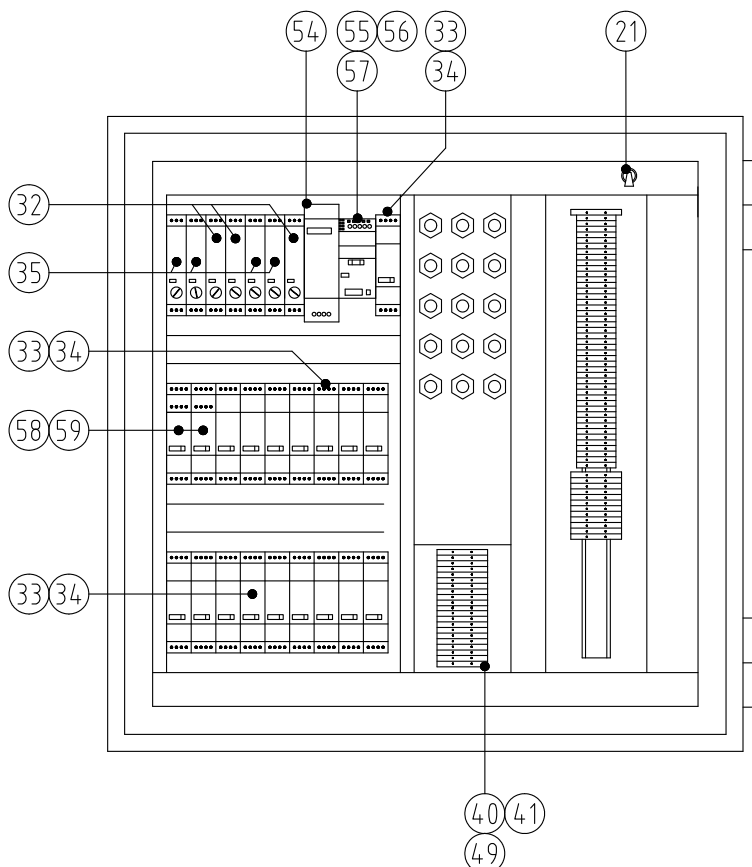
<u>ITEM</u>	<u>QTY</u>	<u>DESCRIPTION</u>	<u>Part. No.</u>
1	1	PANEL LIGHT	9411020
2	1	START BUTTON	9810059
3	3	PRESSURE GAUGE (0-600 bar)	9507013
4	1	LEVEL GAUGE	790.769
5	1	PRESSURE GAUGE (0-160 bar)	9507011
6	1	PRESSURE GAUGE (0-1 bar)	140.317
7	1	PRESSURE GAUGE (1-5 bar)	140.275
8	1	PENDANT	9811202
9	2	PRESSURE GAUGE (0-250 bar)	9507012
10	1	FEMALE COUPLER HOUSING	9408009
11	1	EARTH SWITCH	790.924
12	1	PRESSURE SWITCH	140.503
13	1	HOUR COUNTER	130.249
14	1	TACHOMETER	790.938
15	1	"ENGINE OIL PRESS" GAUGE	9906007
16	1	LIGHT	9810047
17	1	LENS GREEN	9912004
18	1	LIGHT BULB	9810062
19	8	WARNING LIGHT	9512028
20	5	CONTACT BLOCK	9810054
21	2	TOGGLE SWITCH	100.580
22	1	RESET BUTTON	0001004
23	1	START SWITCH	130.259
24	2	SWITCH " - / + "	9810056
25	1	STOP BUTTON	9810049
26	1	LENS BLUE "WARM-UP"	9912003
27	1	CLAMP SWITCH	9810046
28	1	LENS CLEAR	9810048
29	1	WATER TEMP. GAUGE	9906008
30	1	AMPERE METER	110.371
31	1	CONTROL PANEL	9501023
32	3	TIME RELAY	9111027
33	19	RELAY MOUNTING PLATE	9411023
34	19	RELAY	9411024
35	5	TIME RELAY	9411021
36	1	EARTH SWITCH KEY	9705002
37	1	PLUG 16 PINS FEMALE	9408010
38	1	STOP DUST CAP	9810050
39	1	START DUST CAP	9810051
40	16	DIODE	100.413

CONTROL PANEL

DETAIL A



INSIDE CONTROL PANEL



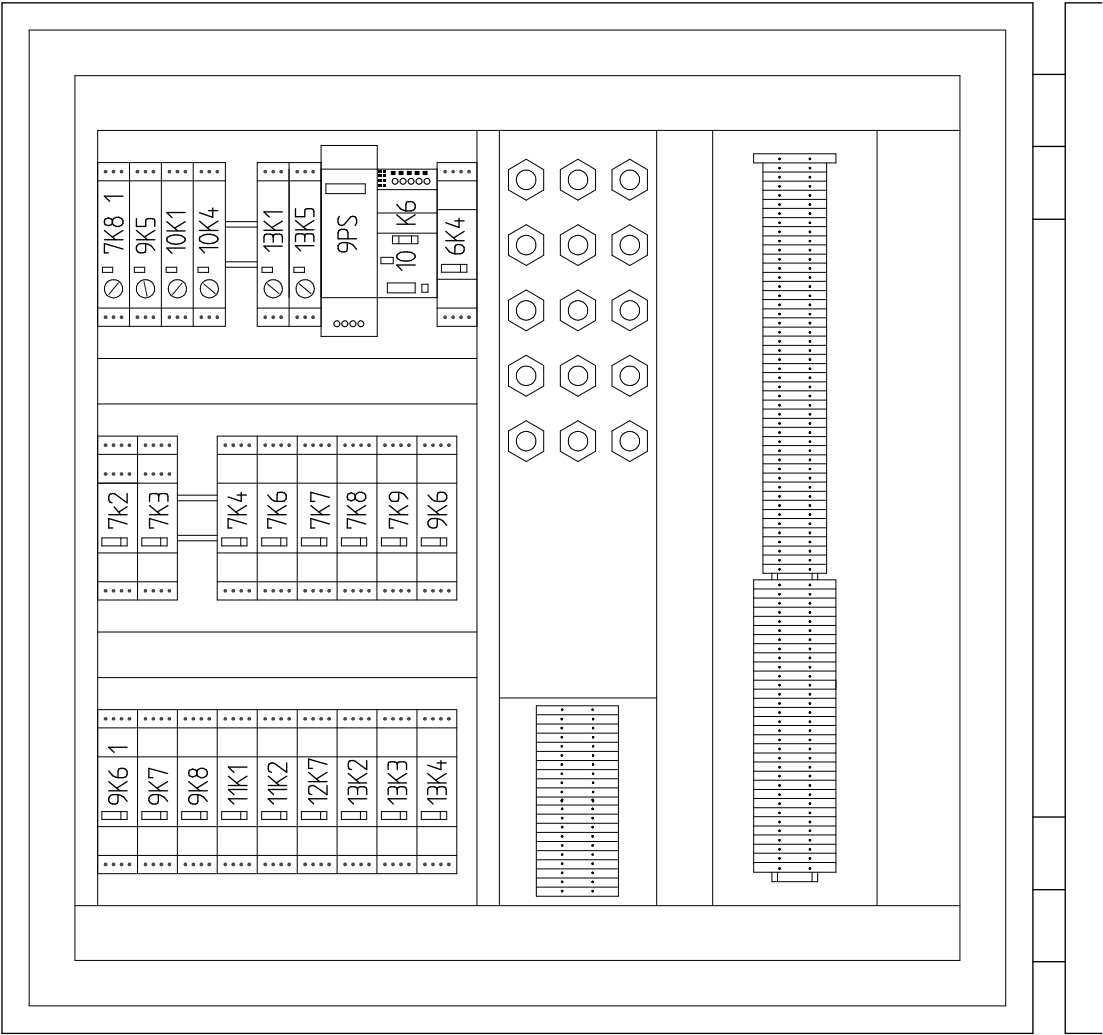
CONTROL PANEL

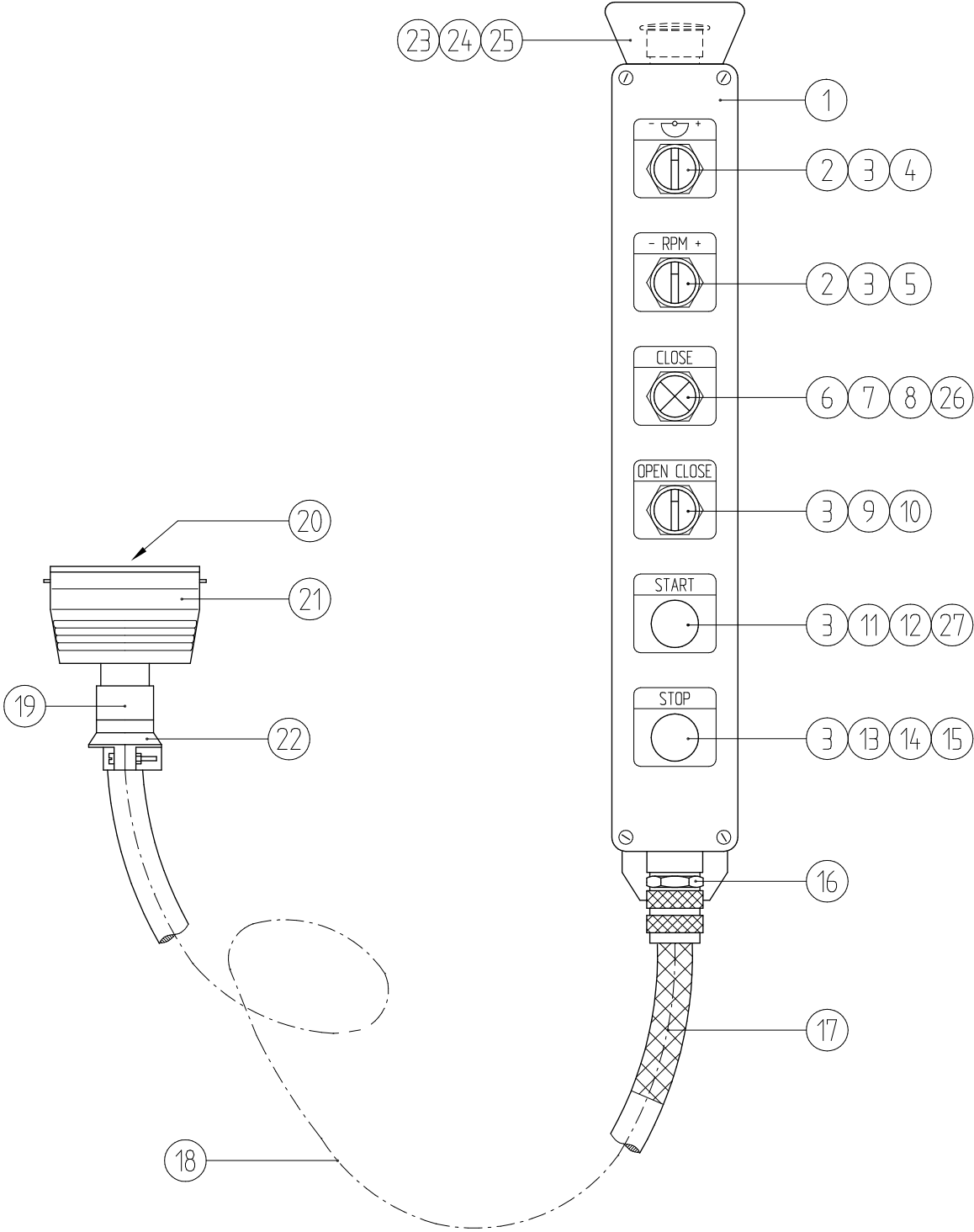
<u>ITEM</u>	<u>QTY</u>	<u>DESCRIPTION</u>	<u>Part. No.</u>
41	19	DIODE SUPPORT	9406022
42	-	-	-
43	2	MANOMETER ADAPTER	9311004
44	8	BULB - 28 V	9512031
45	9	LENS YELLOW	9512030
46	1	LAMPTEST BODY	9512029
47	1	TOGGLE SWITCH	9504004
48	1	ALARM LIGHT	0001005
49	3	DIODE	9612018
50	1	LENS	0001006
51	1	BULB	9506053
52	-	-	-
53	1	S/N PLATE	9110014
54	1	HOUR METER (VIBRO)	9606002
55	1	RELAY	9204016
56	1	RELAY MOUNTING PLATE	9204017
57	1	TIME RELAY	9204018
58	2	RELAY	9512026
59	2	RELAY MOUNTING PLATE	9512027
60	2	O-RING	110.179
61	2	O-RING	140.255
62	1	BODY	0001003
63	1	CLAMP	9511007
64	1	FITT2L-04M04J	140.417

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CONTROL PANEL

INSIDE CONTROL PANEL





PENDANT - STANDARD

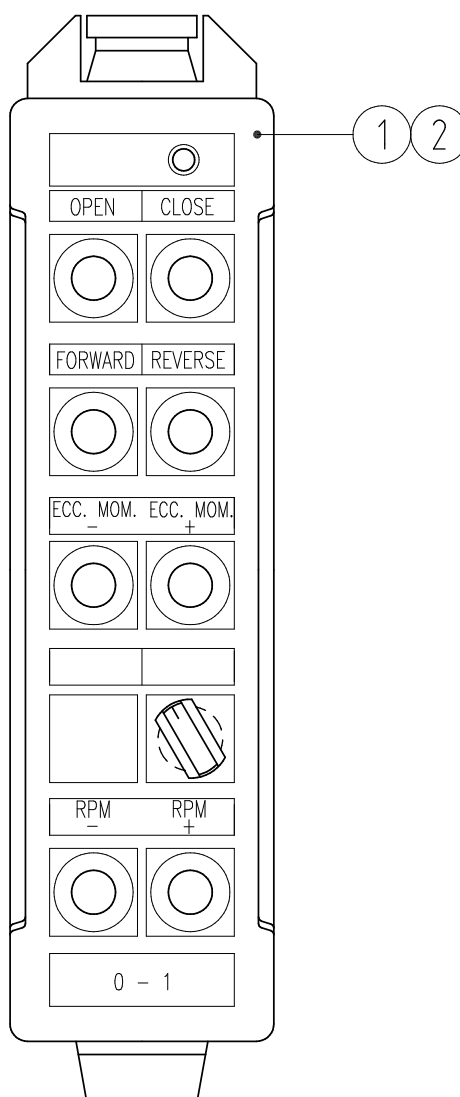
9811202

<u>ITEM</u>	<u>QTY</u>	<u>DESCRIPTION</u>	<u>Part. No.</u>
1	1	PENDANT BOX ENCLOSURE	9810058
2	2	SWITCH	9810056
3	5	CONTACT BLOCK	9810054
4	1	ECC.MOMENT NAMEPLATE	9810052
5	1	NAMEPLATE –“ / RPM / “	790. 973
6	1	CLAMP LIGHT (24 V)	9810047
7	1	CLEAR LENS	9810048
8	1	“CLOSE” NAMEPLATE	100.403
9	1	CLAMP SWITCH	9810046
10	1	“OPEN/ CLOSE” NAMEPLATE	100.401
11	1	DUST CAP (START)	9810051
12	1	“START” NAMEPLATE	100.407
13	1	STOP BUTTON	9810049
14	1	DUST CAP (STOP)	9810050
15	1	“STOP” NAMEPLATE	100.405
16	1	CONDUIT ADAPTOR	9912102
17	1	STRAIN RELIEF	100. 371
18	1	PENDANT CABLE (15 m)	9110021
19	1	REDUCING ADAPTER	9410003
20	1	PLUG 16 PINS MALE	9408008
21	1	MALE COUPLER HOUSING	9408007
22	1	STRAIN RELIEF	9306007
23	1	EMERGENCY STOP BUTTON	9405004
24	1	EMERGENCY STOP ELEMENT	9405003
25	1	PROTECTIVE GUARD	9410001
26	1	BULB (24 V)	9810062
27	1	START BUTTON	9810059

PENDANT – WIRELESS

9809203

Note: required on units with Part no. **90PR990203** and up



<u>ITEM</u>	<u>QTY</u>	<u>DESCRIPTION</u>	<u>Part. No.</u>
1	1	TRANSMITTER	9809014
	1	RECEIVER	9611030
	1	BATTERY CHARGER	9611028
	2	BATTERY	9809013
	1	PROTECTION COVER	9809015
2	1	ADAPTER / BATTERY	9809016

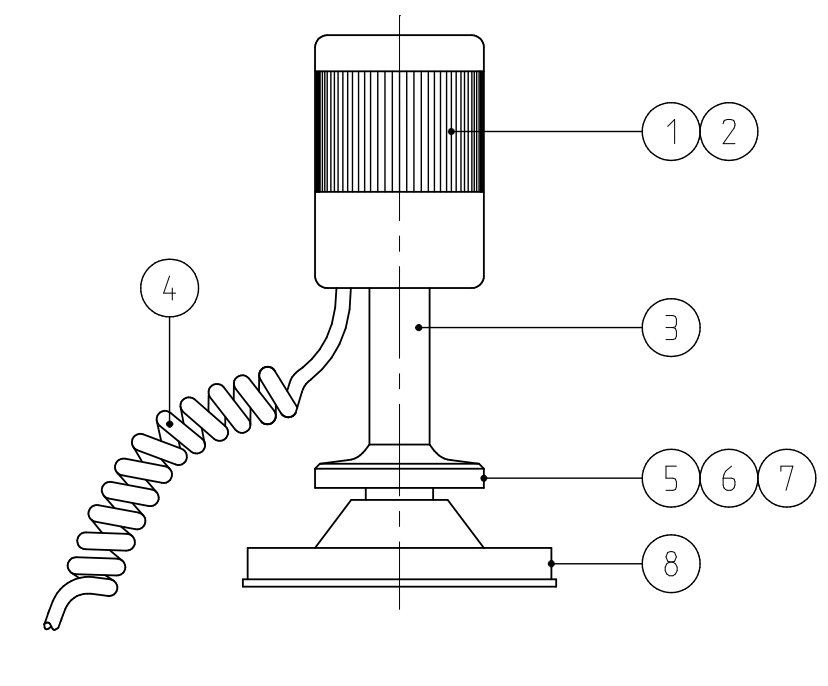
REMOTE CONTROLS - TERMINAL WIRING CHART (new model)

PLUG (16 pins)	CABLE NO. (16 wires)	DESCRIPTION	POWER PACK MODELS		
			330 PP/RF	400 PP/RF 500 PP/RF 700 PP/RF 900 PP/RF	1200 PP/RF
1	1	+	32	51	113
2	2	+		52	
3	3	STOP SOLENOID		18	173
4	4	START/FORWARD SOLENOID	4	17	120
5	5	-	1	1	1
6	6	TO CLAMP LIGHT	7	16	136
7	7	TO CLOSE SOLENOID	8	12	134
8	8	TO OPEN SOLENOID	10	15	132
9	-	CONNECT TO 10	5	4	102
10	-	CONNECT TO 9	33	58	112
11	11	TO SERVOMOTOR (MAX)	41	71	139
12	12	TO SERVOMOTOR (MIN)	42	70	137
13	13	EMERGENCY STOP	49	64	111
14	14	TO SHIFT (MAX)	50	72	130
15	15	TO SHIFT (MIN)	51	73	129
16	16	REVERSE SOLENOID	13		

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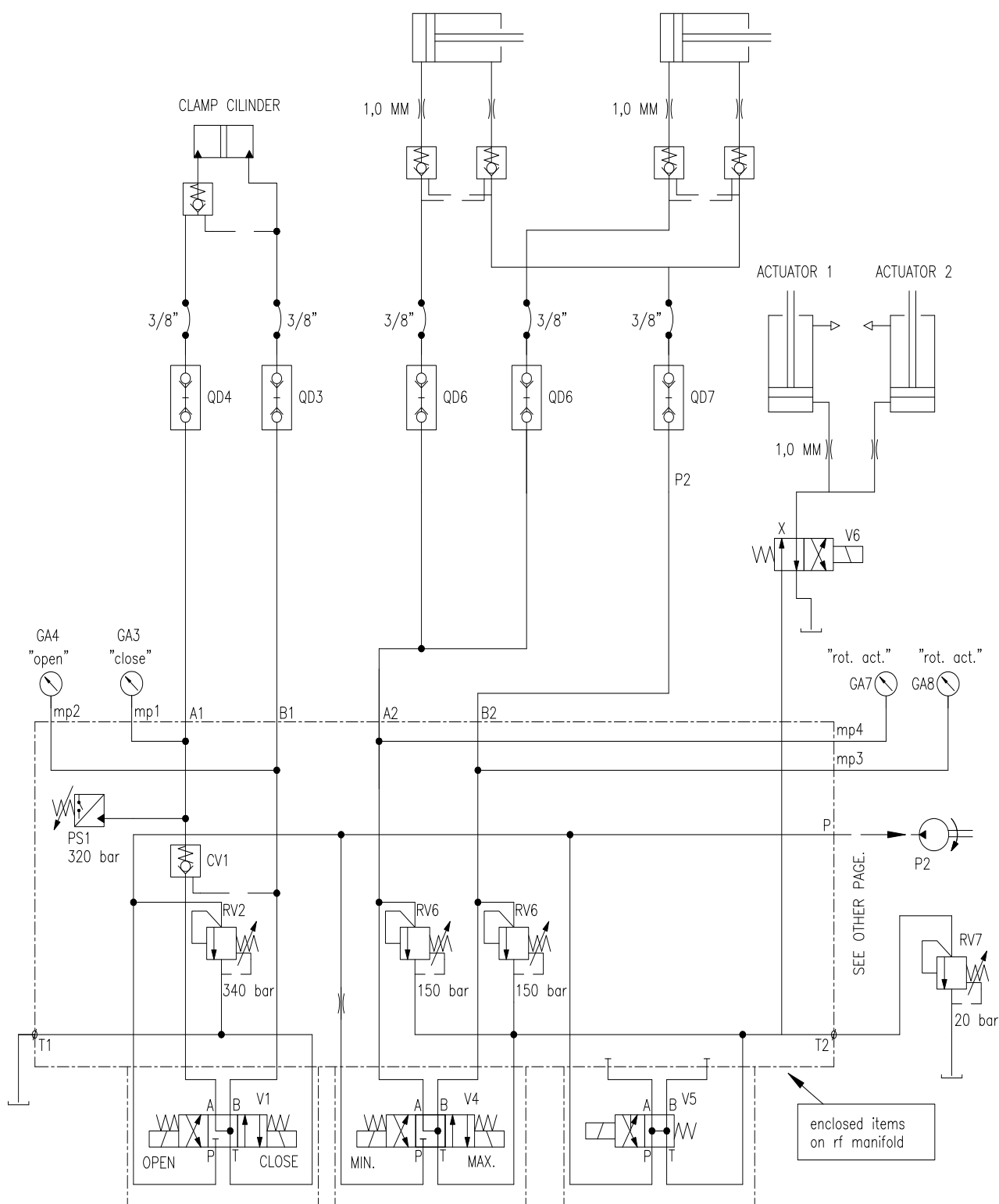
MAGNETIC CLAMP LIGHT (COMPLETE)

9805202



<u>ITEM</u>	<u>QTY</u>	<u>DESCRIPTION</u>	<u>Part. No.</u>
1	1	ELEMENT	9805027
2	1	BULB	9805028
3	1	TUBE	9805023
4	1	SPIRAL CABLE	9805030
5	1	GASKET	9805024
6	1	GASKET	9805025
7	1	PEDESTAL	9805026
8	1	MAGNET	9805029

HYDRAULIC CIRCUITRY - RF MANIFOLD

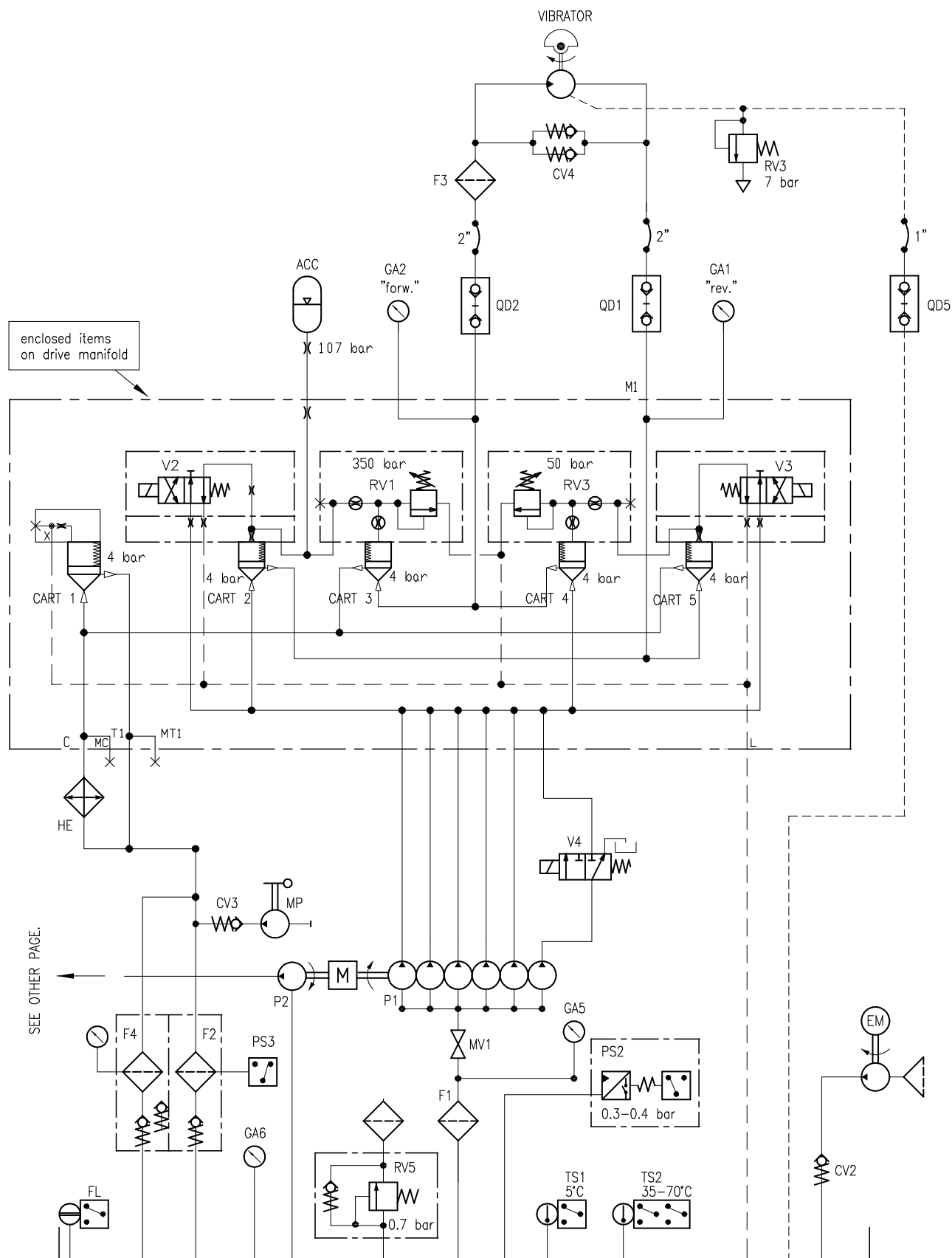


HYDRAULIC CIRCUITRY - RF MANIFOLD

HYDRAULIC COMPONENTS LIST

<u>REFERENCE</u>	<u>QTY</u>	<u>DESCRIPTION</u>	<u>Part. No.</u>
	1	RF MANIFOLD ASSEMBLY	0303203
ACT1,2	2	ACTUATOR	0105141
CV1	1	CHECK VALVE	9607023
GA3,4	2	GAUGE	0 – 600 bar 9507013
GA7,8	2	GAUGE	0 – 250 bar 9507012
P2	1	PUMP	9911004
PS1	1	PRESS. SWITCH	9611020
QD3,4	2	QUICK DISCONNECT	100.245 / 100.777
QD6,7	2	QUICK DISCONNECT	9404007 / 9404008
RV2,6	2	RELIEF VALVE	9611022
RV7	1	RELIEF VALVE	9911008
V1,4	2	4/3 VALVE	9809004
V5	1	4/2 VALVE	0402001
V6	1	4/2 VALVE	9611016

HYDRAULIC CIRCUITRY - DRIVE MANIFOLD



HYDRAULIC CIRCUITRY - DRIVE MANIFOLD

HYDRAULIC COMPONENTS LIST

<u>REFERENCE</u>	<u>QTY</u>	<u>DESCRIPTION</u>	<u>Part. No.</u>
	1	DRIVE MANIFOLD ASSEMBLY	9703201
ACC.	1	ACCUMULATOR (107 bar)	810.295
CART. 1	1	2/2 CARTRIDGE	9908005
CART. 2-5	4	2/2 CARTRIDGE	9908006
CV2	1	CHECK VALVE	140.509
CV3	1	CHECK VALVE MP	100.451
EM	1	COMPRESSOR	140.425
F1	1	PICK-UP FILTER	140.191
F2-4	2	RETURN FILTER	140.179
FL	1	FLUID LEVEL SWITCH	100.314
GA1	1	GAUGE (0-160 bar)	9507011
GA2	1	GAUGE (0-600 bar)	9507013
GA5	1	GAUGE (1-5 bar)	140.275
GA6	1	GAUGE (0-1 bar)	140.317
GA9	1	GAUGE	100.775
HE	1	OILCOOLER	140.237
MP	1	MANUAL PUMP	100.447
MV	1	MANUAL VALVE	790.386
P1	1	DRIVE PUMP	9202043
P2	1	CLAMP PUMP	110.401
PS2	1	PRESS. SWITCH	140.503
PS3	1	PRESS. SWITCH	140.413
QD1,2	2	QUICK DISCONNECT	140.035 / 140.037
QD5	1	QUICK DISCONNECT	120.023 / 120.025
RV1	1	RELIEF VALVE (340 bar)	9908004
RV3	1	BRAKE VALVE (50 bar)	9908004
RV5	1	BREATHER	140.105
TS1	1	TEMP. SWITCH	400.115
TS2	1	FLUID MONITOR	100.316
V2,3	2	CONTROL VALVE	9611016
V4	1	PUMPHEAD VALVE	9201007

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POWER PACK 700 & 900 PP/RF

Supplement Cooling Unit

Parts Manual : 70P90PC40
Revision : A
Date : April 2001

Model : N.A.
From Machine No. : 70P..... and 90P(R)001104 *and up*

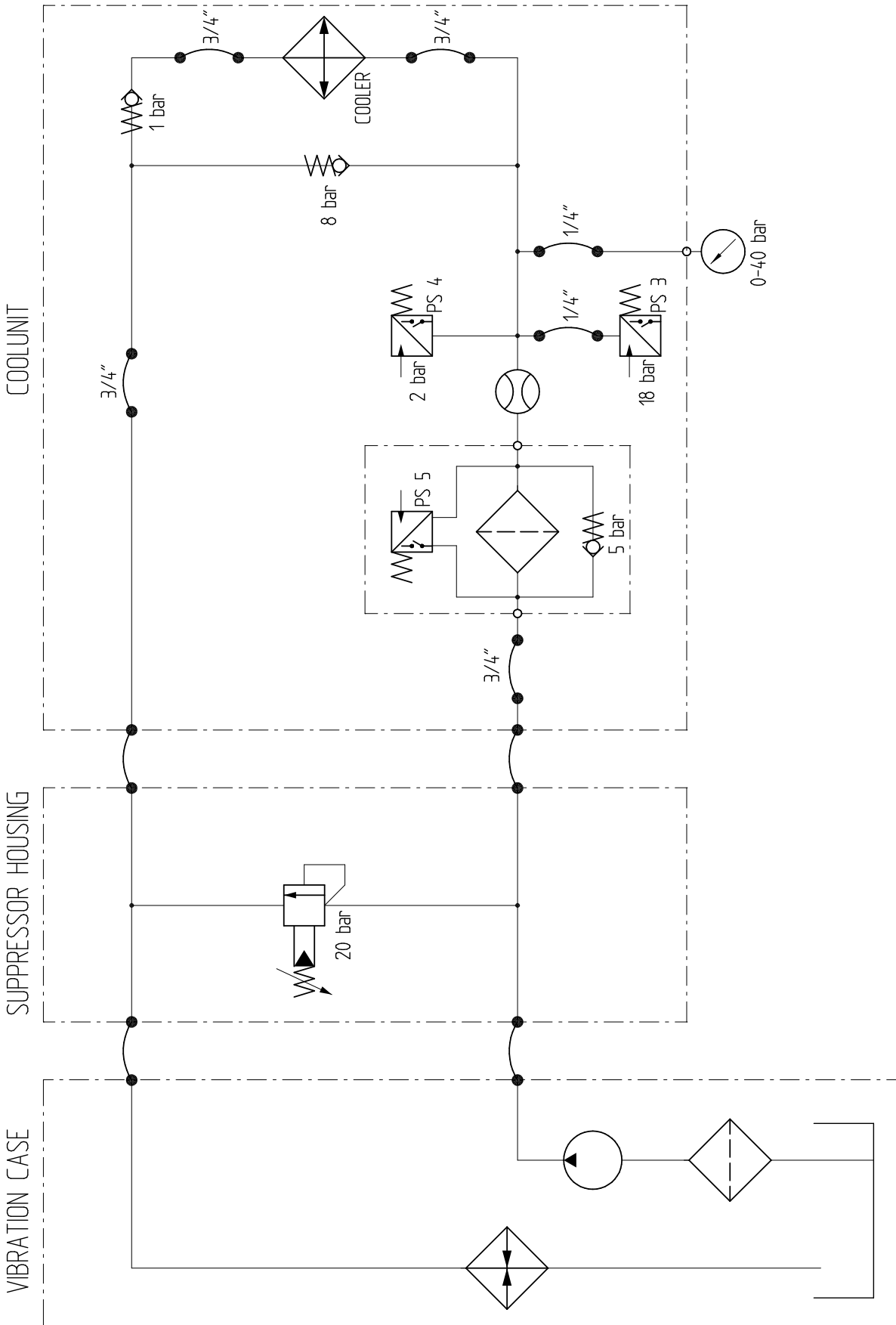
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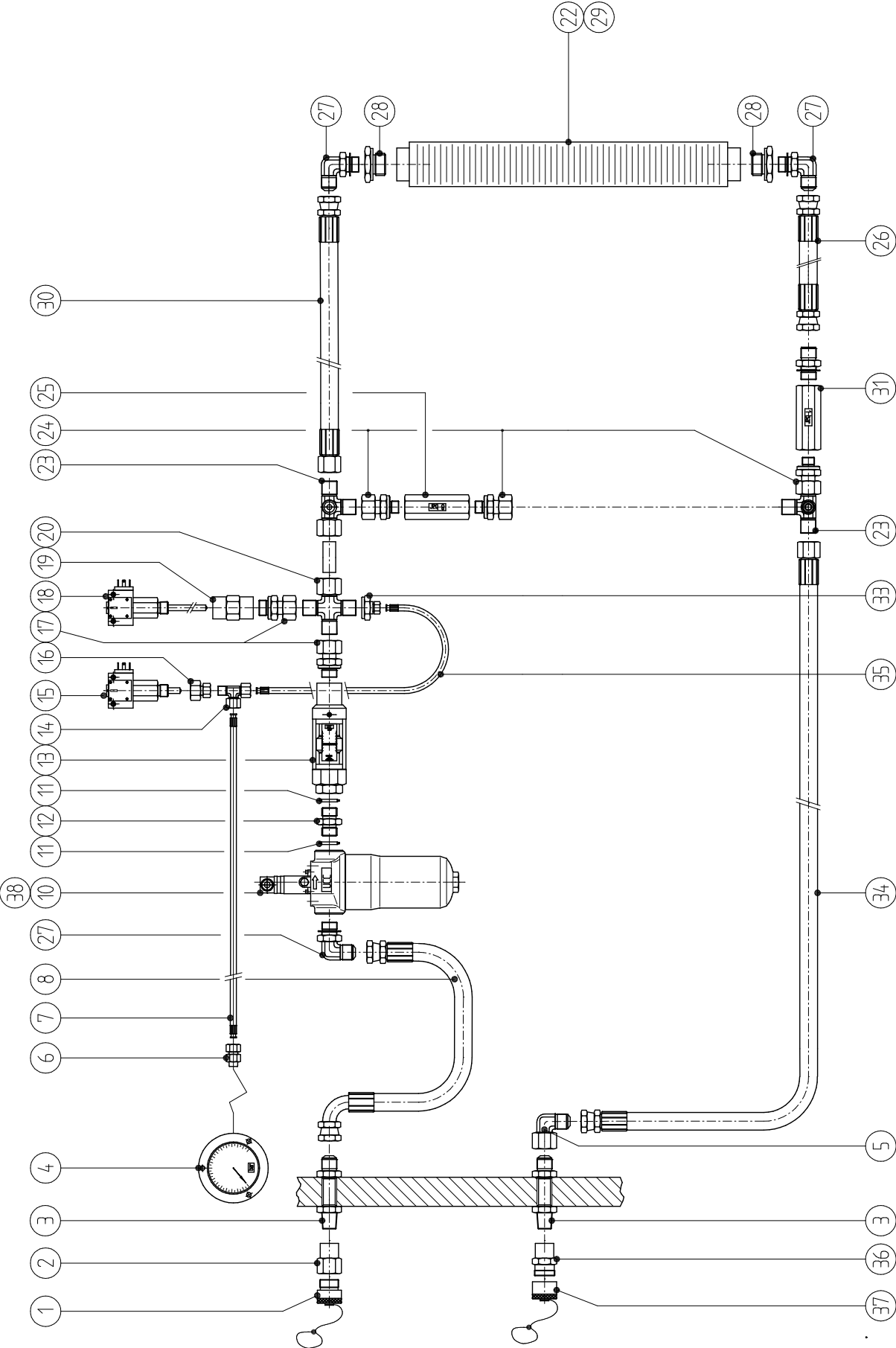
HYDRAULIC CIRCUITRY COOLING UNIT	43
COOLING UNIT ASSEMBLY	44
COOLING UNIT - CONNECTIONS	46
COOLING UNIT - CONTROL PANEL	47
COOLING UNIT - CONTROL PANEL (INSIDE)	48

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HYDRAULIC CIRCUITRY COOLING UNIT



COOLING UNIT ASSEMBLY

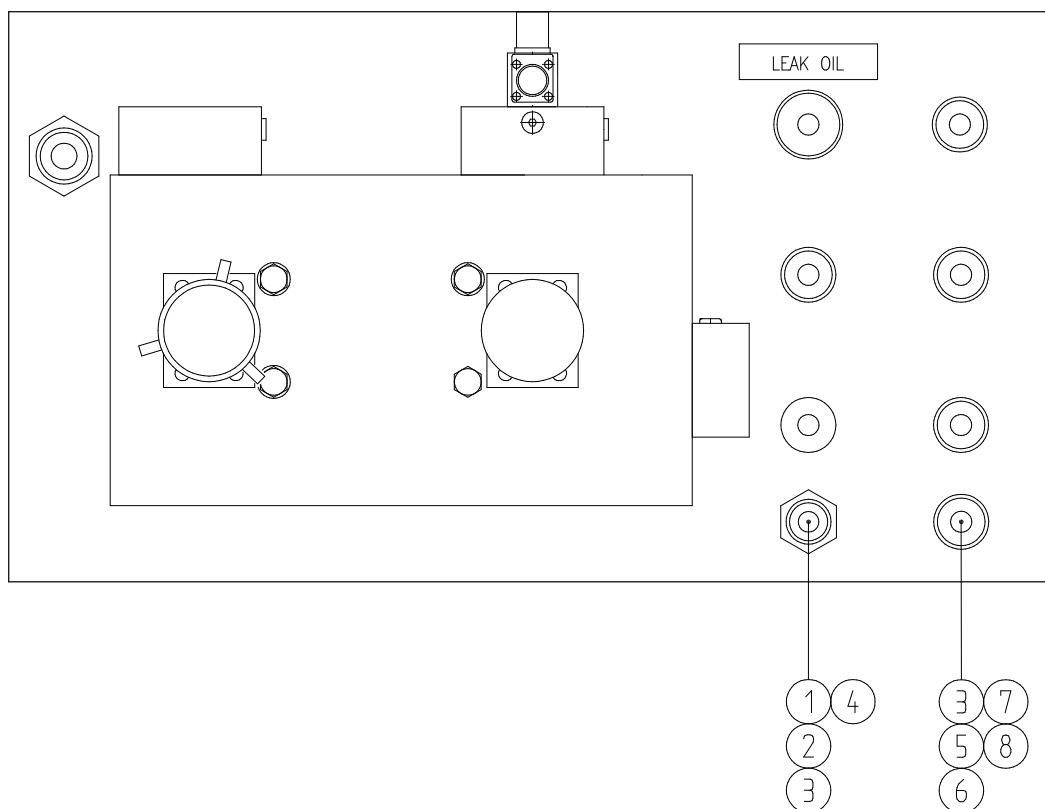


COOLING UNIT - ASSEMBLY

0103201

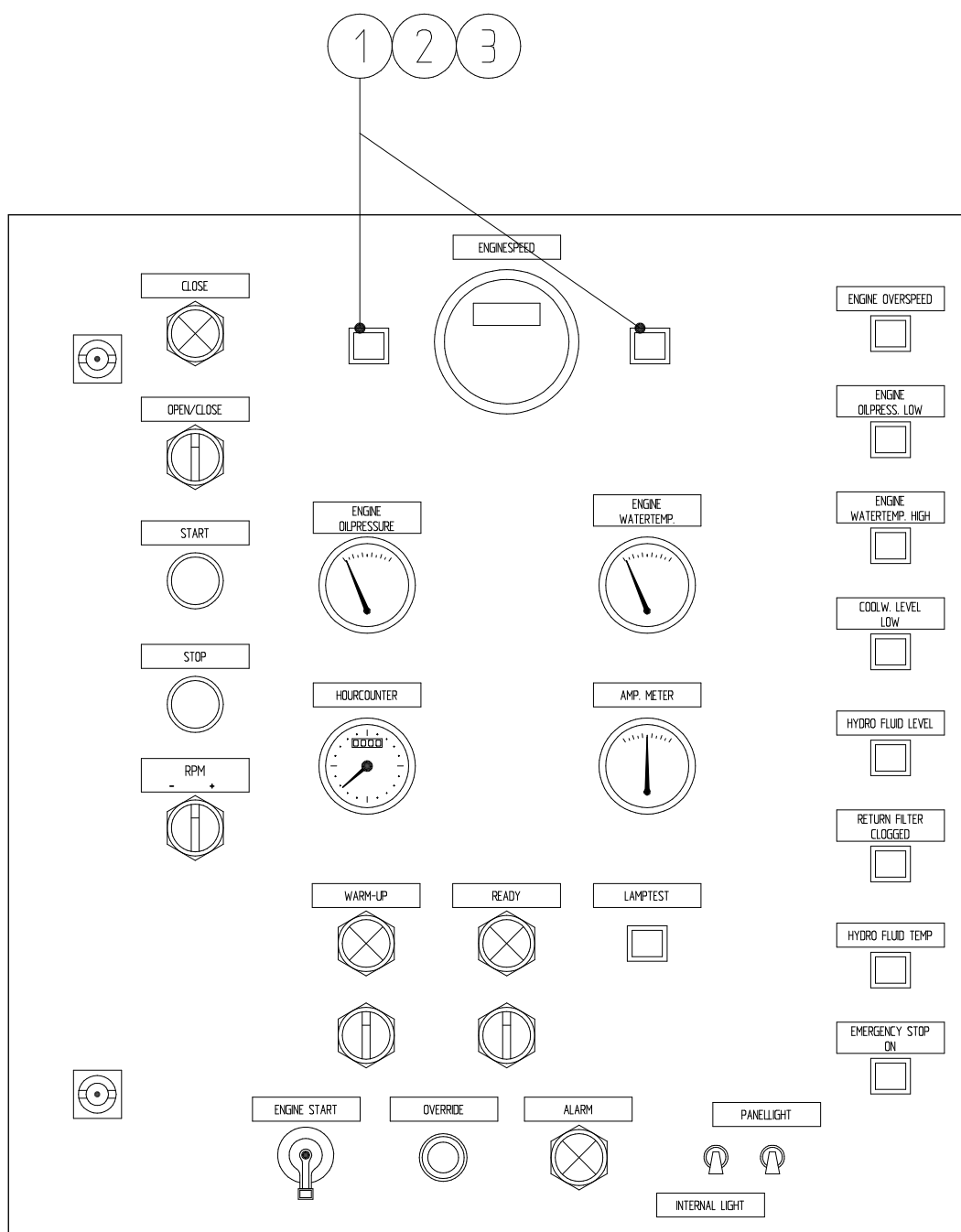
<u>ITEM</u>	<u>QTY</u>	<u>DESCRIPTION</u>	<u>Part No.</u>
1	1	DUST PLUG 3/4"	400.121
2	1	COUPLING 3/4" (FEMALE)	400.095
3	2	FITT2S-12B12P	100.387
4	1	MANOMETER (40 BAR) 1/4" BSP	9508032
5	1	FITT2L-12M12J	100.769
6	1	FITT9S-04G16A	9508031
7	1	HOSE025R01V016V916L17200	0106009
8	1	HOSE075R02J012J912L06300	0103004
9	1	FITT2S-12M12S	790.804
10	1	FILTER	9208008
11	2	SEAL 3/4" BSP	9411010
12	1	FITT2S-12S12S	9508014
13	1	FLOWMETER	795.138
14	1	FITT2T-16V16A16A	9109043
15	1	PRESSURE SWITCH	9508020
16	1	FITT9S-08G16A	9508021
17	2	FITT9S-12S30V	9508015
18	1	PRESSURE SWITCH	9508017
19	1	FITT2S-08G12G	9508016
20	1	FITT2K-30A30A30A30A	9508030
21	1	PIPE 22 MM	-
22	1	FITT2P-16S	791.277
23	2	FITT9T-30A30V30A	9508001
24	3	FITT9S-12S30A	9508018
25	1	CHECK VALVE (8 BAR)	795.145
26	1	HOSE075R02J012J012L11600	0103006
27	3	FITT2L-12M12S	790.636
28	2	FITT2S-12G16S	9810026
29	1	COOLER	9810013
30	1	HOSE075R02J012V030L08700	0103005
31	1	CHECK VALVE (1 BAR)	795.144
32	-	-	-
33	1	FITT9S-30W16A	9508023
34	1	HOSE075R01J912V030L06500	0106010
35	1	HOSE025R01V016V916L02000	0103007
36	1	COUPLING 3/4" (MALE)	400.251
37	1	DUST CAP 3/4"	400.253
38	1	FILTER ELEMENT	0211054

COOLING UNIT - CONNECTIONS



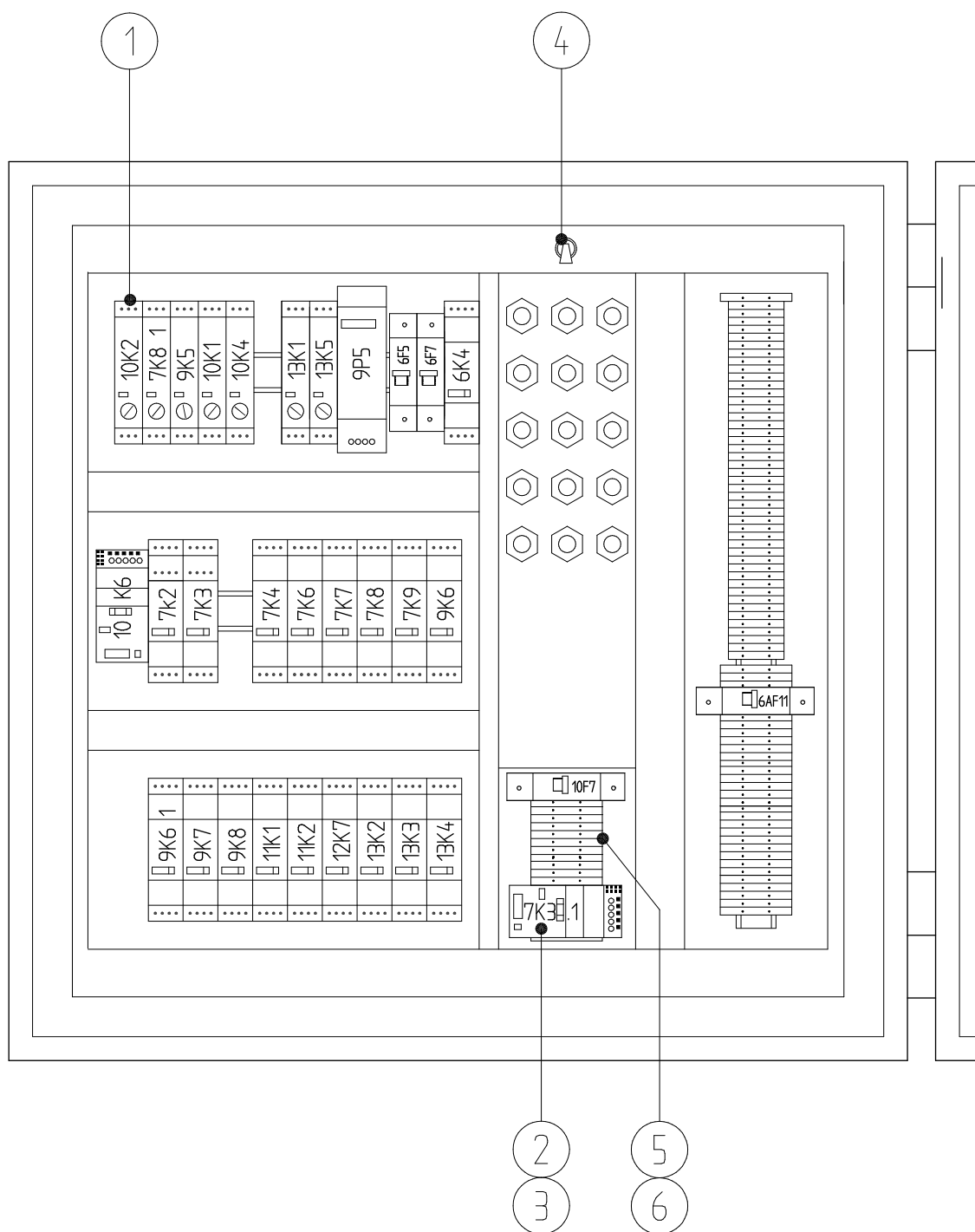
<u>ITEM</u>	<u>QTY</u>	<u>DESCRIPTION</u>	<u>Part No.</u>
1	1	COUPLING 3/4" (FEMALE)	400.095
2	1	DUSTPLUG 3/4"	400.121
3	2	FITT2S-12B12P	100.387
4	1	HOSE075R02J012J912L06300	0103004
5	1	COUPLING 3/4" (MALE)	400.251
6	1	DUST CAP 3/4"	400.253
7	1	FITT2L-12M12J	100.769
8	1	HOSE075R01J012V030L06500	0106010

COOLING UNIT - CONTROL PANEL



ITEM	QTY	DESCRIPTION	Part No.
1	2	WARNING LIGHT BODY	9512028
2	2	LENS YELLOW	9512030
3	2	BULB	9512031

COOLING UNIT - CONTROL PANEL (INSIDE)



ITEM	QTY	DESCRIPTION	Part No.
1	1	TIME RELAY	9111027
2	1	RELAY	9512026
3	1	RELAY MOUNTING PLATE	9512027
4	1	TOGGLE SWITCH	100.580
5	2	DIODE	100.413
6	2	DIODE SUPPORT	9406022

ELECTRICAL CIRCUITRY

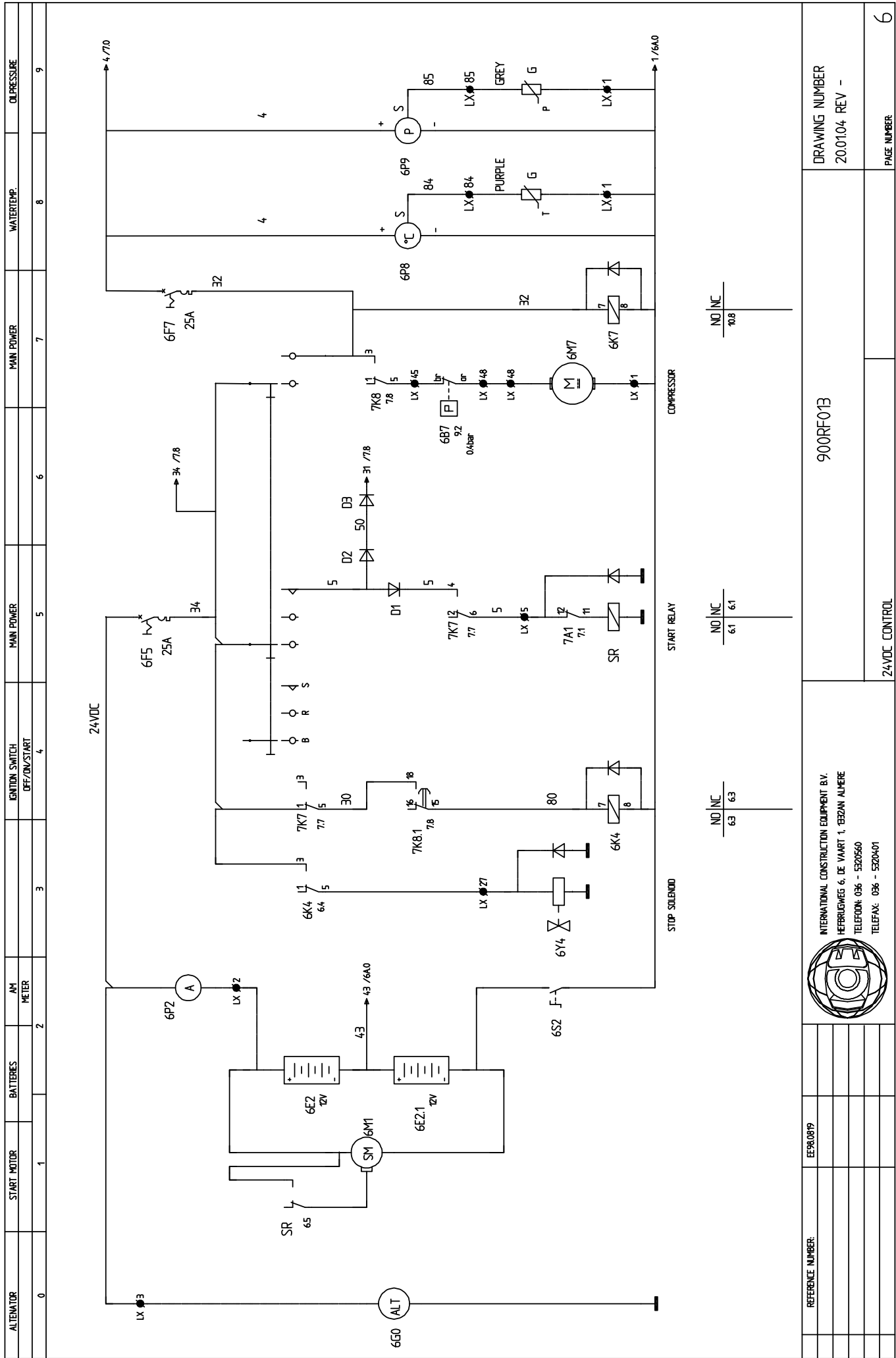
ELECTRICAL COMPONENTS LIST

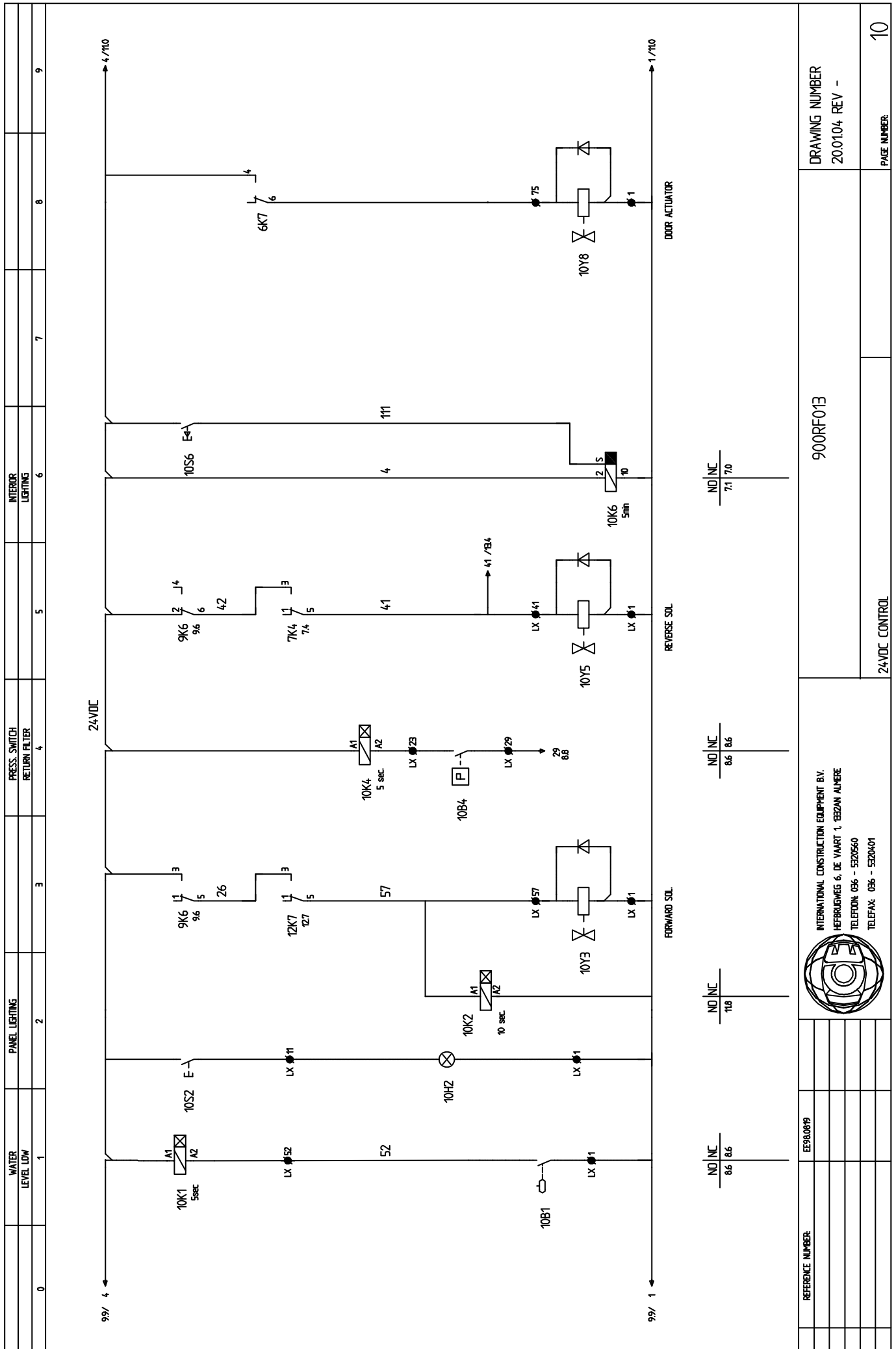
<u>REFERENCE</u>	<u>DESCRIPTION</u>	<u>Part No.</u>
ALT	ALTERNATOR	9501024
D1, 4-17, 19	DIODE	100.413
D2, 3, 18	DIODE	9612018
SM	START MOTOR	790.022
SR	START RELAY	790.514
6B7	PRESSURE SWITCH	140.503
6 ^{F2}	BATTERY	9704002
6F5, 6F7	MAIN POWER (25 A)	9711031
6K4, 7K4, 6, 7, 8, 9	RELAY	9411024
6M7	COMPRESSOR	140.425
6M11,14	DOOR ACTUATOR	140.321
6P2	AMPEREMETER	110.371
6P8	WATERTEMP. GAUGE	9906008
6P9	OIL PRESSURE GAUGE	9906007
6S2	EARTH SWITCH	790.924
6S4	IGNITION SWITCH	130.259
6S12, 15	DOOR SWITCH	9810056
6Y4	FUEL SOLENOID	9310001
7A1	OVERSPEED SWITCH	790.720
7B1	PICK-UP	790.473
7H0	INTERIOR LIGHT	9606007
7H9	ALARM LIGHT	0001005/006
7K2,3,3.1	RELAY	9512026
7K8.1, 9K5, 13K1	TIME RELAY	9411021
7NS6	EMERGENCY STOP	9407035/037
7P2	RPM METER	790.938
7S3	LAMP TEST	9512029
7S9	RESET BUTTON	0001003/004
8B2	OIL PRESSURE SENSOR	9906009
8B3	WATER TEMPERATURE SENSOR	9906010
8B5	HYDRAULIC FLUID LEVEL SWITCH	100.314
8B7, 8, 9B3	TEMPERATURE SWITCH	9810044
8H1-9, 11H4,6	INDICATOR LIGHT	9512028
9H2,2 1	WARMUP / READY LIGHT	9810047
9K6, 6.1, 7, 8	RELAY	9411024
9P1	HOUR COUNTER	130.249
9P5	HOUR COUNTER (HAMMER)	9606002
9S5, 15S2	STOP BUTTON	9810049
9S6, 15S2.1	START BUTTON	9810059
9S7, 12S3, 15S5, 6	SERVOMOTOR SWITCH	9810056
10B1	WATER LEVEL SWITCH	9411019
10B4	PRESS. SWITCH	140.413
10H2	PANEL LIGHT	9411020
10K1,2, 4, 13K5	TIME RELAY	9111027
10K6	TIME RELAY	9204018/016
10S2	PANEL LIGHT SWITCH	100.580

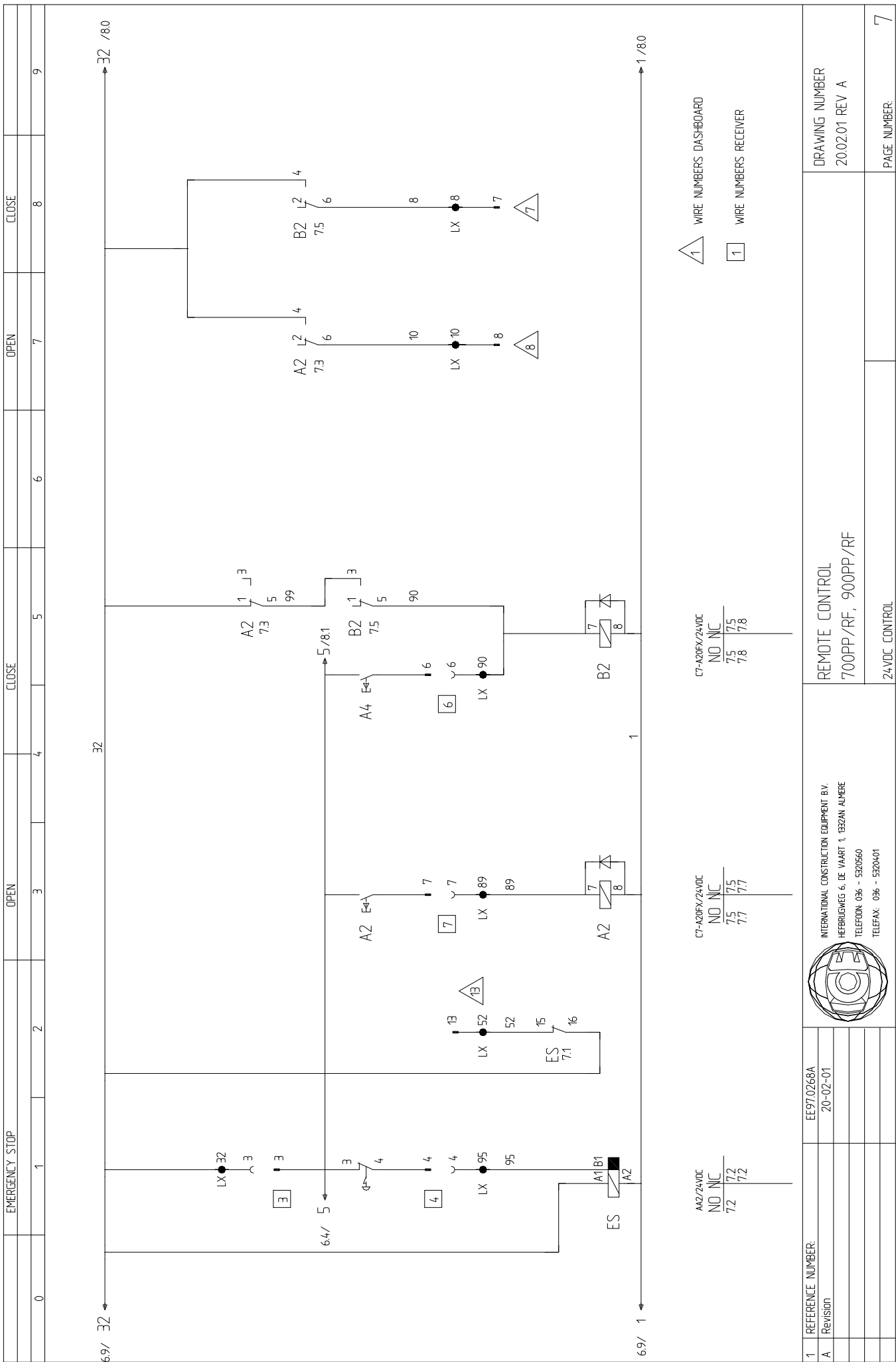
ELECTRICAL CIRCUITRY

ELECTRICAL COMPONENTS LIST

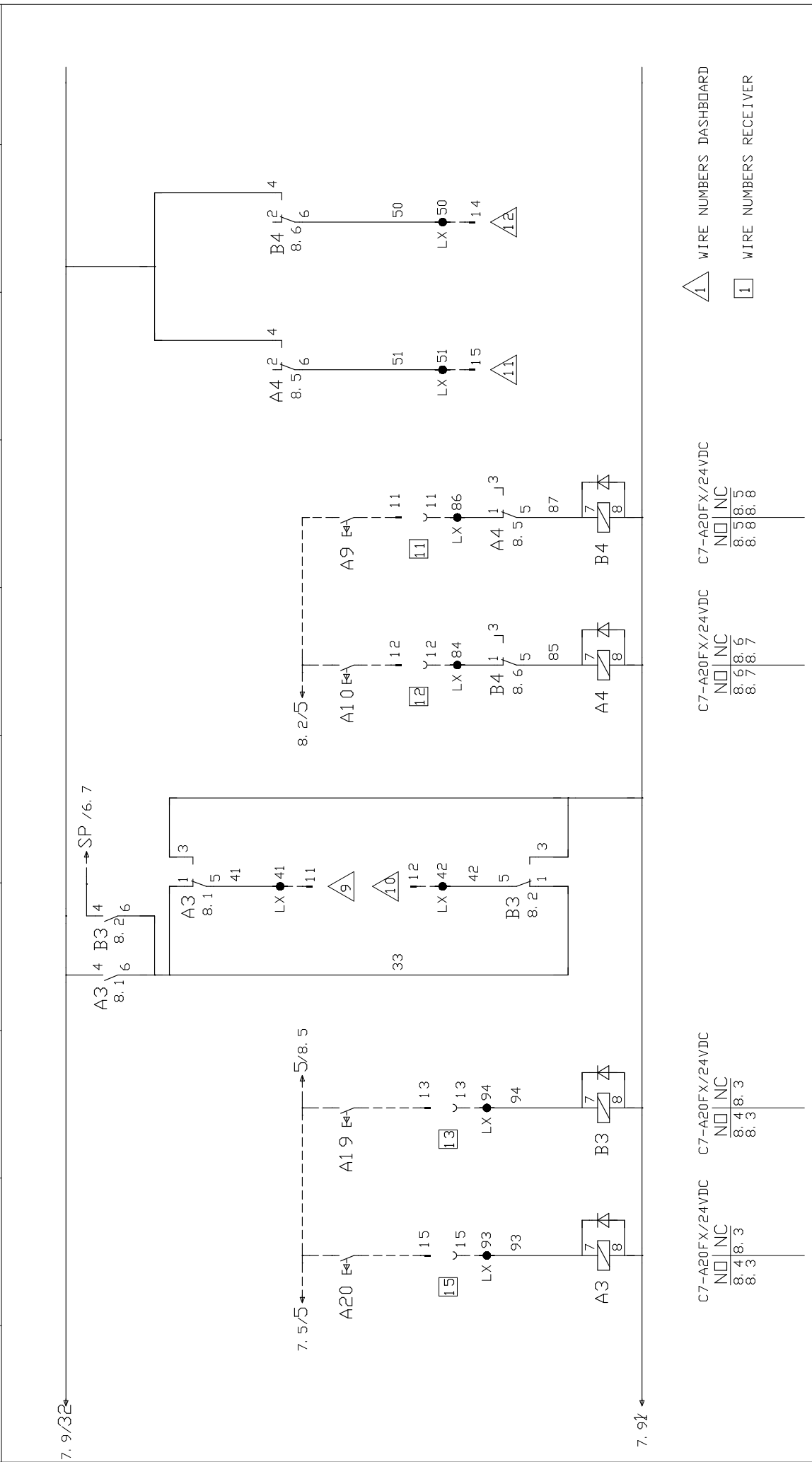
<u>REFERENCE</u>	<u>DESCRIPTION</u>	<u>Part No.</u>
10S6	INTERIOR LIGHT SWITCH	9504004
10S8, 13S5	PUMPHEAD SWITCH	100.580
10Y3,5	CONTROL VALVE	9611016
10Y8	PUMPHEAD VALVE	9201007
11K1,2, 12K7, 13K2-4	RELAY	9411024
11M4	SERVOMOTOR	790.379
12B6	PRESSURE SWITCH	100.627
12H6, 15H4	CLAMP LIGHT	100.359
12S7, 15S3	CLAMP SWITCH	9810046
12Y1,3,4,6	CONTROL VALVE	9501039
12Y3.1	CONTROL VALVE	9501040
15S8	EMERGENCY STOP	9405003/ 9405004







	LOWER	RAISE	LOWER/RAISE		MIN	MAX	
0	1	2	3	4	5	6	7



1	REFERENCE NUMBER:	EE97.0268A	 INTERNATIONAL CONSTRUCTION EQUIPMENT B.V. HEFBRUGWEG 6, DE VAART 1, 1332AN ALMERE TELEFON: 036 - 5320560 TELEFAX: 036 - 5320401	REMOTE CONTROL 700PP/RF, 900PP/RF	DRAWING NUMBER 20.02.01 REV A
A	Revision	20-02-01			
			24VDC CONTROL	PAGE NUMBER:	8