

Parts Manual

Gas Floor Type Convection Steamer



Series: SteamCraft Model 24CGA10

1333 East 179th Street
Cleveland, Ohio 44110

Phone: (216) 481-4900
1-800-338-2204

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www.clevelandrange.com

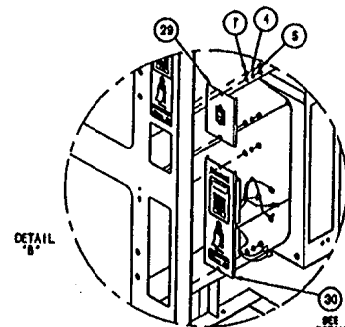
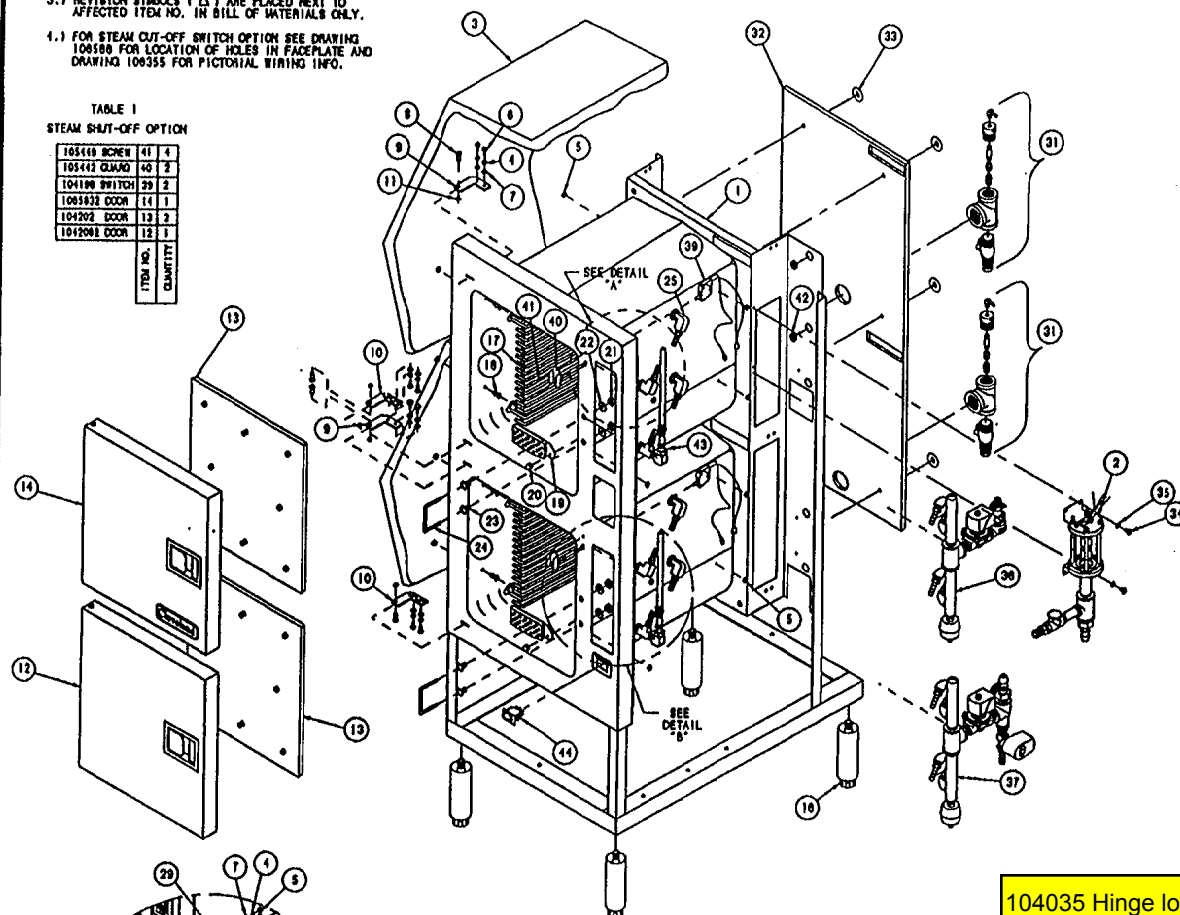


NOTES:

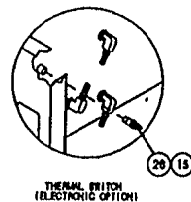
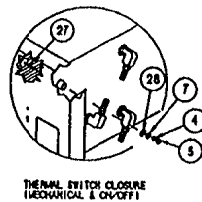
- 1.1 SEE DRAWING 100002 FOR HOSE DETAIL.
- 2.1 SEE INSTRUCTION DRAWING 100139 FOR LABELS AND LABEL LOCATIONS.
- 3.1 REVISION SYMBOLS (Δ) ARE PLACED NEXT TO AFFECTED ITEM NO. IN BILL OF MATERIALS ONLY.
- 1.1 FOR STEAM CUT-OFF SWITCH OPTION SEE DRAWING 100580 FOR LOCATION OF HOLES IN FACEPLATE AND DRAWING 100555 FOR PICTORIAL WIRING INFO.

TABLE 1
STEAM SHUT-OFF OPTION

ITEM NO.	QTY.
105416 BOREN	41
105412 CLAUD	40
104196 SWITCH	29
100582 DOOR	14
104202 DOOR	13
104204 DOOR	12



THIS DESIGN DESCRIBES A PROPRIETARY ITEM AND IS THE PROPERTY OF CLEVELAND RANGE. THIS DRAWING IS NOT TO BE COPIED OR USED WITHOUT THE APPROVAL OF CLEVELAND RANGE.



TIMER OPTIONS - DETAIL A

LET.	REVISIONS	DATE	BY
A	SEE EO #C-2423	05-20-93	PJO
B	SEE EO #C-2431	06-01-93	PJO
C	SEE EO #C-2452 R1	09-29-93	PJO
D	SEE EO #C-2448 R1	11-05-93	PJO
E	SEE EO #C-2082	12-05-94	PJO

Δ	44	1	19994	SWITCH, ROCKER, SPST (CLEAN LIGHT)
Δ	43	2	1070591	BREATHER/SPRAY NOZZLE ASSY. (1/2" HOSE)
Δ	42	2	02800	BUSHING, HEYCO
Δ	41	-	105449	SCREW, TRUSS HD. 8-32 X .312, S/S
Δ	40	-	105442	GUARD, SWITCH PROTECTION
Δ	39	-	104198	SWITCH ASSY, CMPT. STEAM SHUT-OFF
Δ	-	-	106188	WIRE HARNESS, ON/OFF W/BELL, SC10
Δ	-	-	106188	WIRE HARNESS, ON/OFF, SC10
Δ	-	-	106188	WIRE HARNESS, MECH. CONTROL, SC10
Δ	-	-	106187	WIRE HARNESS, ELECT. CONTROL, SC10
Δ	37	1	105881	STEAM INLET ASSY, LOWER COMPARTMENT
Δ	38	1	105880	STEAM INLET ASSY, UPPER COMPARTMENT
Δ	35	2	101855	WASHER, FLAT #10 S/S
Δ	34	2	106123	SCREW, TORX/SLOT 10-32 X 1/2
Δ	33	6	101953	CLIP, INSULATION RETAINER
Δ	32	1	106235	INSULATION, BODY REAR
Δ	31	2	1061711	DRAIN ASSEMBLY, SC10
Δ	-	-	104931	TIMER ASSY, ON/OFF W/BELL, SC10
Δ	-	-	106584	TIMER ASSY, ON/OFF CONTROL, SC10
Δ	-	-	106583	TIMER ASSY, MECH. CONTROL, SC10
Δ	-	-	106582	TIMER ASSY, ELECTRIC CONTROL, SC10
Δ	29	1	106703	PANEL ASSY, POWER SWITCH
Δ	28	2	23136	WASHER, FLAT 3/8 X 7/8 X 1/16 THK.
Δ	27	2	104009	CLOSURE, THERMAL OPENING
Δ	26	2	19972	SWITCH, THERMAL CLOSURE
Δ	25	8	1062301	STEAM NOZZLE ASSY, STEAMCRAFT
Δ	24	2	104046	CATCH, DOOR
Δ	23	4	14695	NUT, DOOR CATCH MOUNTING, S/S
Δ	22	4	23149	WASHER, NYLON, TYPE 8/8
Δ	21	4	14648	NUT, HEX 1/2-13, ZINC PLATED
Δ	20	2	14677	NUT, ACORN
Δ	19	2	69288	SCREEN, COMPARTMENT DRAIN, POLYPROP
Δ	18	16	101305	PIN, RACK
Δ	17	4	414232	RACK, PAN SLIDE, 16"
Δ	16	4	08156	LEG, BULLET
Δ	15	A/R	00934	SEALANT, RECTORSEAL
Δ	14	-	106583	DOOR, OUTER ASSY. H.L. W/LOGO, W/ACTUATOR
Δ	-	-	106583	DOOR, OUTER ASSY. H.L. W/LOGO
Δ	13	2	104202	DOOR, INNER ASSY. H.L.
Δ	-	-	104206	DOOR, OUTER ASSY. H.L. W/ACTUATOR
Δ	-	-	104206	DOOR, OUTER ASSY. H.L.
Δ	11	4	104062	RING, SNAP, S/S
Δ	10	2	1040791	HINGE ASSY, WELD, LOWER
Δ	9	2	1040732	HINGE ASSY, WELD, UPPER
Δ	8	4	104077	PIN, HINGE
Δ	7	16	23116	WASHER, FLAT 1/4 ID X 5/8 OD, S/S
Δ	6	8	19170	SCREW, HEX HD. 1/4-20 X 5/8 S/S
Δ	5	24	14618	NUT, HEX 1/4-20 S/S
Δ	4	16	23105	WASHER, LOCK S/S 1/4 KATLINK STYLE
Δ	3	2	104193	INSULATION, BODY, CUT
Δ	2	1	106540	FLOAT & DESCALER ASSY, SC10, GAS
Δ	1	1	105661	CAVITY WELD ASSY, STEAMCRAFT 10

ITEM	QTY.	PART NO.	DESCRIPTION
TOLERANCES (UNLESS OTHERWISE SPECIFIED)			
DECIMAL ± N/A			
ANGULAR ± N/A			
CK			
DATE 08-03-92			
DRAWING NO. C - 105952			
REV. E			

CLEVELAND RANGE INC.
1333 East 179th St., Cleveland, Ohio 44110-2574

SCALE 1/8" = 1"

DRAWN BY DUTCHMAN

APPROVED BY

TITLE

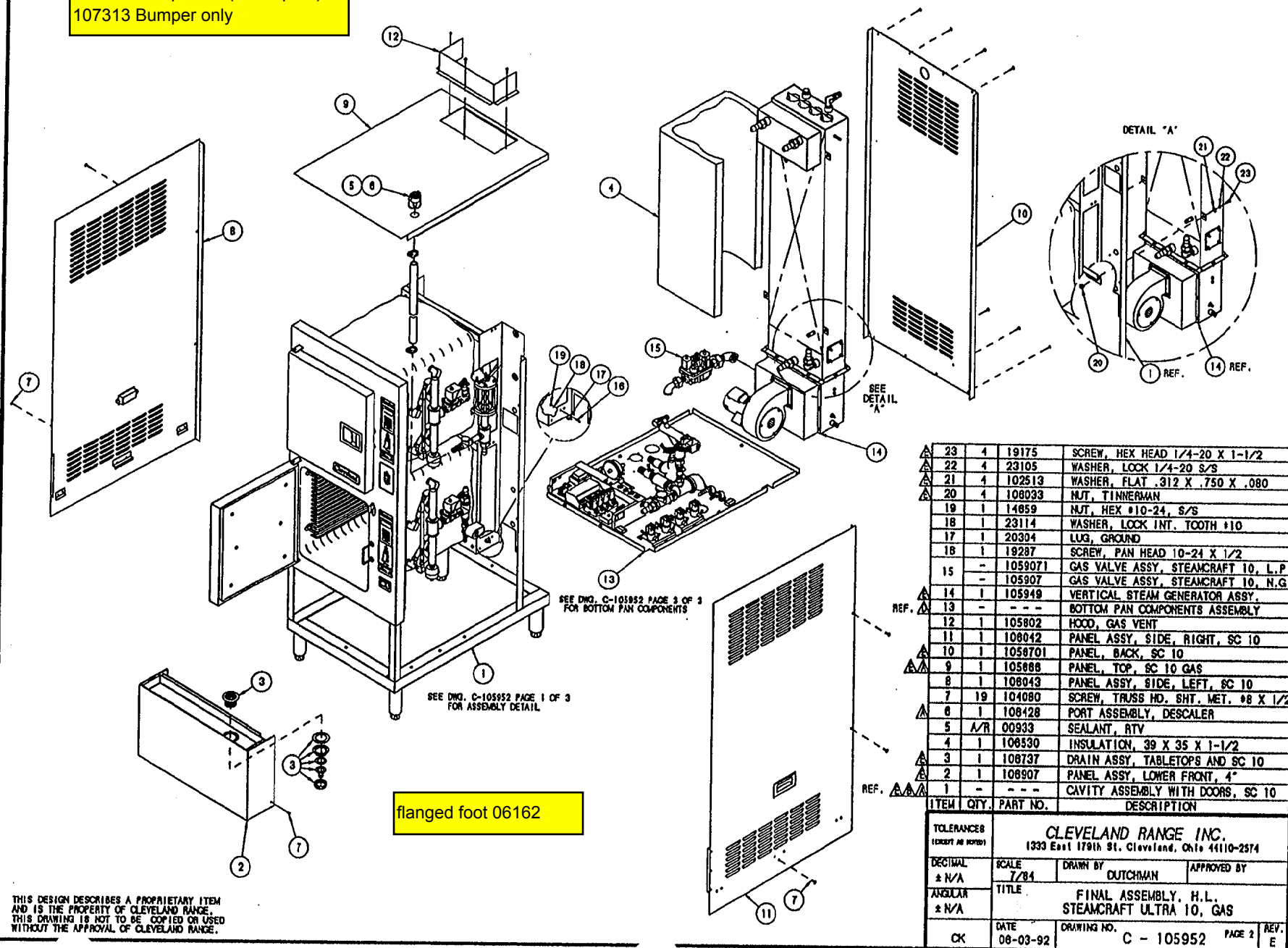
FINAL ASSEMBLY, H.L. STEAMCRAFT ULTRA 10, GAS

PAGE 1 OF 3

107314 Bumper kit (2 bumpers)
107313 Bumper only

LET. REVISIONS DATE BY

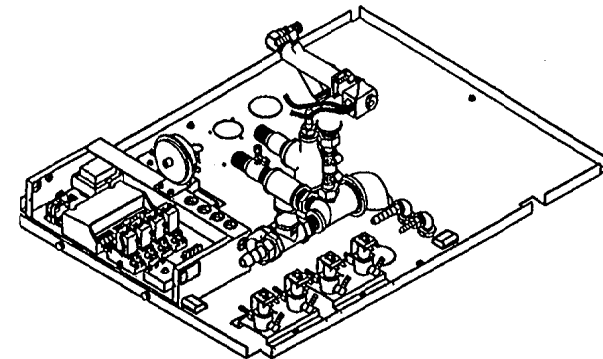
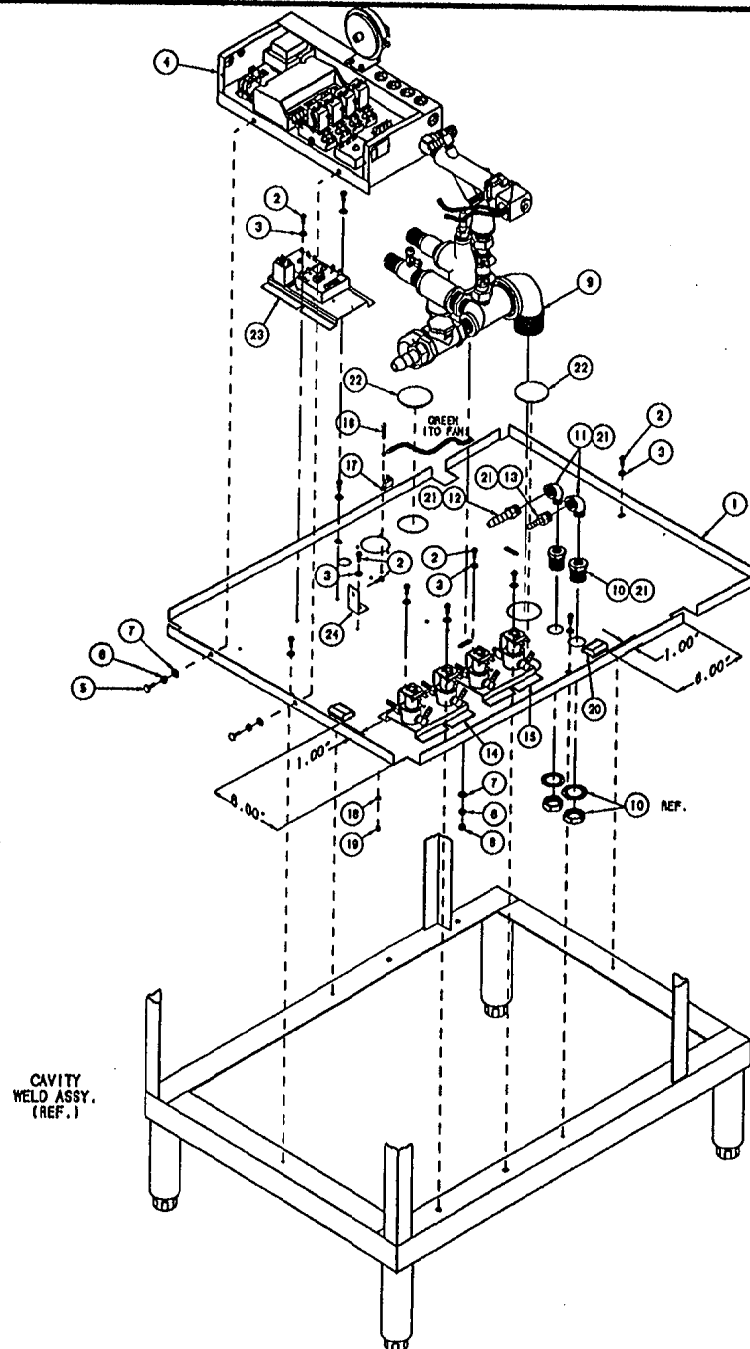
SEE 105952 PAGE 1 OF 3



23	4	19175	SCREW, HEX HEAD 1/4-20 X 1-1/2
22	4	23105	WASHER, LOCK 1/4-20 S/S
21	4	102513	WASHER, FLAT .312 X .750 X .080
20	4	108033	NUT, TINNERMAN
19	1	14859	NUT, HEX #10-24, S/S
18	1	23114	WASHER, LOCK INT. TOOTH #10
17	1	20304	LUG, GROUND
16	1	18287	SCREW, PAN HEAD 10-24 X 1/2
15	-	1059071	GAS VALVE ASSY, STEAMCRAFT 10, L.P.
14	-	105907	GAS VALVE ASSY, STEAMCRAFT 10, N.G.
13	-	105949	VERTICAL STEAM GENERATOR ASSY.
12	-	-	BOTTOM PAN COMPONENTS ASSEMBLY
11	1	105802	HOOD, GAS VENT
10	1	108042	PANEL ASSY, SIDE, RIGHT, SC 10
9	1	1058701	PANEL, BACK, SC 10
8	1	105888	PANEL, TOP, SC 10 GAS
7	19	108043	PANEL ASSY, SIDE, LEFT, SC 10
6	1	104080	SCREW, TRUSS HD. SHT. MET. #8 X 1/2
5	1	108428	PORT ASSEMBLY, DESCALER
4	A/R	00933	SEALANT, RTV
3	1	106530	INSULATION, 39 X 35 X 1-1/2
2	1	108737	DRAIN ASSY, TABLETOPS AND SC 10
1	1	108907	PANEL ASSY, LOWER FRONT, 4"
REF.	1	-	CAVITY ASSEMBLY WITH DOORS, SC 10
ITEM	QTY.	PART NO.	DESCRIPTION

TOLERANCES (UNLESS AS NOTED)			
CLEVELAND RANGE INC. 1333 East 179th St. Cleveland, Ohio 44110-2574			
DECIMAL ± N/A	SCALE 7/84	DRAWN BY DUTCHMAN	APPROVED BY
ANGULAR ± N/A	TITLE FINAL ASSEMBLY, H.L. STEAMCRAFT ULTRA 10, GAS		
CK	DATE 08-03-92	DRAWING NO. C - 105952	PAGE 2 REV. E

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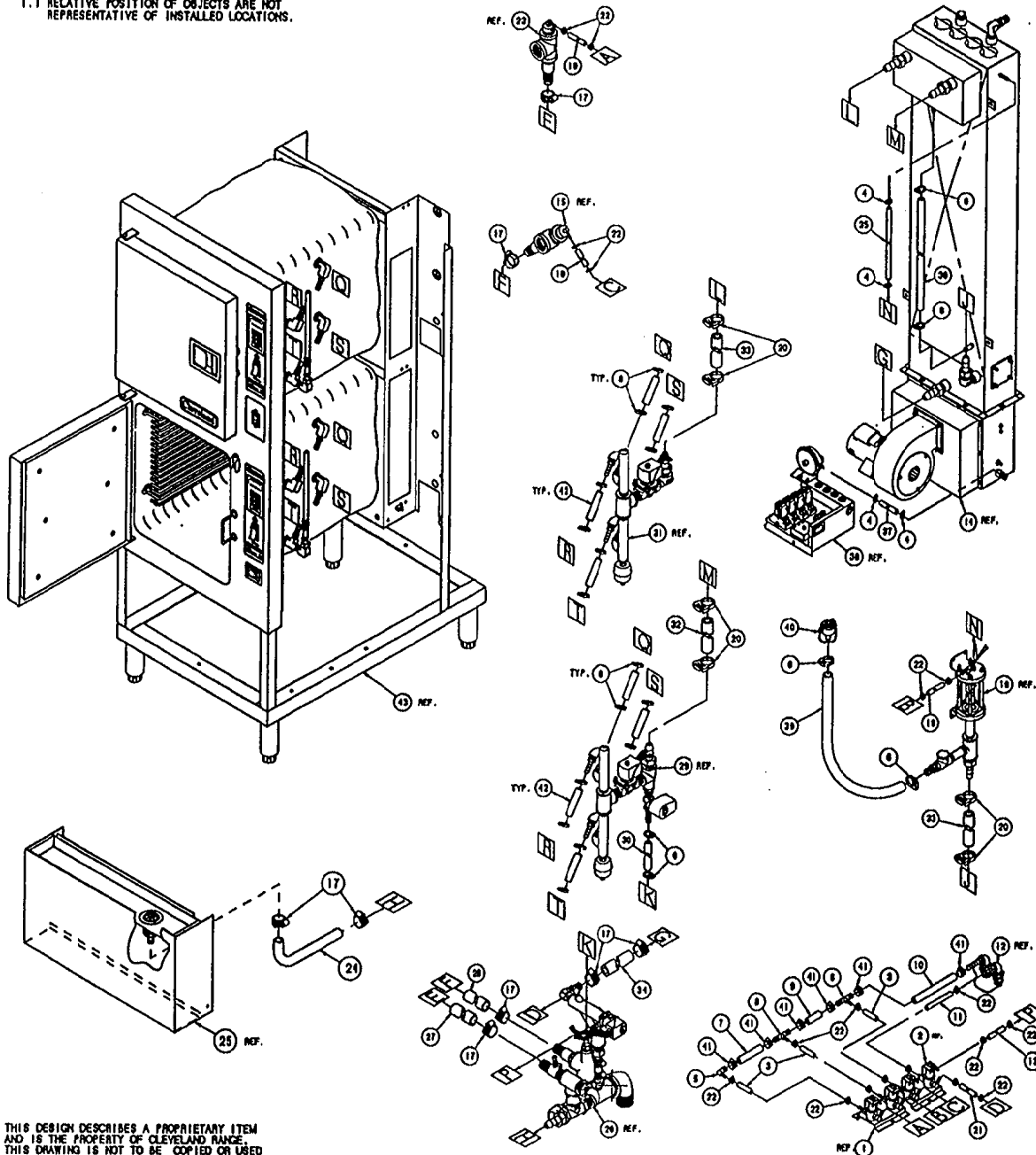
ITEM	QTY.	PART NO.	DESCRIPTION
24	1	105955	BRACKET, CONTROL MOUNT, GAS
23	1	107043	HEAT STANDBY, ULTRA 10 GAS
22	2	107063	PLUG, SWAP, STEEL, FOR 2\" DIA. HOLE
21	A/R	00934	ADHESIVE, RECTORSEAL
20	2	23132	CLIP, MOUNTING, WIRE/CABLE 1.250 X 1.500
19	1	14659	NUT, HEX 10-24, S/S
18	1	23114	WASHER, LOCK, INT. TOOTH #10
17	1	20304	LUG, GROUND, SOLDERLESS
16	1	19287	SCREW, RD HD SLTD, #10-24 X 1/2
15	1	105988	WATER INLET ASSY.
14	1	105987	WATER INLET ASSY.
13	1	104382	FITTING, HOSE, 1/4 H X 3/8 NPT
12	1	100746	FITTING, HOSE, 1/2 H X 3/8 NPT
11	2	05280	ELBOW, STREET, 3/8 X 90°, BRASS
10	2	105794	FITTING, BULKHEAD, 3/8 NPT, BRASS
9	1	105750	DRAIN MANIFOLD ASSY., SC 10, GAS
8	1	14618	NUT, HEX, 1/4-20, S/S
7	3	23116	WASHER, FLAT, 1/4, S/S
6	3	23105	WASHER, SPLIT LOCK, 1/4, S/S
5	2	19170	SCREW, HEX HD, 1/4-20 X 5/8, S/S
4	1	1059021	ELECTRIC BOX ASSY., SC 10, GAS (OPTION)
3	11	101655	WASHER, FLAT #10, S/S
2	12	106123	SCREW, TORX/SLOT 10-32 X 1/2
1	1	105667	PAN, BOTTOM, STEAMCRAFT 10

TOLERANCES (EXCEPT AS NOTED)			
CLEVELAND RANGE INC. 1333 East 179th St. Cleveland, Ohio 44110-2574			
DECIMAL ± .030	SCALE 3/16"=1"	DRAWN BY DUTCHMAN	APPROVED BY
ANGULAR ± 1°	TITLE FINAL ASSEMBLY, H.L. STEAMCRAFT ULTRA 10, GAS		
CK	DATE 08-03-92	DRAWING NO. C - 105952	REV. E

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NOTES:

1.1 RELATIVE POSITION OF OBJECTS ARE NOT REPRESENTATIVE OF INSTALLED LOCATIONS.



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LET.	REVISIONS	DATE	BY
A	SEE E.O. KC-2301	10-28-92	PJD
B	SEE E.O. KC-2423	05-20-93	PJD
C	SEE E.O. KC-2448 RI	11-05-93	PJD
D	SEE E.O. KC-2597	03-28-94	OLD
E	SEE E.O. KC-2682	12-05-94	PJD

43	-	- - -	CAVITY WELD ASSY., STEAMCRAFT 10 GAS
42	8	1044880325	HOSE, SILICONE 1/2 ID X 3/4 OD X 3-1/2"
41	6	106219	CLAMP, 3/4" OD HOSE, WORM DRIVE
40	-	106428	PORT ASSEMBLY, DESCALER
39	1	1044882400	HOSE, SILICONE 1/2 ID X 3/4 OD X 24" LG
38	-	105902	ELECTRIC BOX ASSY, SC10, GAS
37	1	1043792900	HOSE, SILICONE 1/4 ID X 1/2 OD X 29" LG
36	1	1044883800	HOSE, SILICONE 1/2 ID X 3/4 OD X 38" LG
35	1	1043791800	HOSE, SILICONE 1/4 ID X 1/2 OD X 18" LG
34	1	085050900	HOSE, DARIPREEN, 3/4" ID X 9" LG.
33	2	1080832300	HOSE, SILICONE 3/4 ID X 3/8 WALL X 23" LG
32	1	1080833700	HOSE, SILICONE 3/4 ID X 3/8 WALL X 37" LG
31	-	105880	STEAM INLET ASSEMBLY, UPPER
30	1	1044881300	HOSE, SILICONE 1/2 ID X 3/4 OD X 13" LG
29	-	105881	STEAM INLET ASSEMBLY, LOWER
28	1	1054892200	HOSE, EPDM, BLACK, 1" ID X 22" LG
27	1	1054894400	HOSE, EPDM, BLACK, 1" ID X 44" LG
26	-	105750	DRAIN MANIFOLD ASSEMBLY
25	-	----	PANEL ASSY, LOWER FRONT, S/C 10
24	1	107010	HOSE, TRAY DRAIN, 3/4" I.D. BLACK EPDM
23	1	----	COMPARTMENT DRAIN ASSY, S/C 10, UPPER
22	18	108528	CLAMP, 1/2" OD HOSE, WORM DRIVE
21	1	1058501800	HOSE, NT-80, 1/4 ID X 1/2 OD X 18" LG
20	6	105847	CLAMP, PLASTIC, 1-1/8 OD HOSE
19	2	1058505200	HOSE, NT-80, 1/4 ID X 1/2 OD X 52" LG.
18	-	108540	FLOAT & DESCALER ASSEMBLY
17	8	03204	CLAMP, WORM DRIVE .812" TO 1.500" DIA.
16	1	1058502800	HOSE, NT-80, 1/4 ID X 1/2 OD X 28" LG.
15	1	----	COMPARTMENT DRAIN ASSY, S/C 10, LOWER
14	-	105949	VERTICAL STEAM GENERATOR ASSY
13	1	1058501200	HOSE, NT-80, 1/4 ID X 1/2 OD X 12" LG
12	2	----	WATER SUPPLY ASSY
11	1	1058500500	HOSE, NT-80, 1/4 ID X 1/2 OD X 5" LG.
10	1	1058490850	HOSE, NT-80, 1/2 ID X 3/4 OD X 8.5" LG.
9	1	1058490200	HOSE, NT-80, 1/2 ID X 3/4 OD X 2" LG
8	2	105790	FITTING, TEE, 1/2 H X 1/2 H X 1/4 H
7	1	1058490350	HOSE, NT-80, 1/2 ID X 3/4 OD X 3.5" LG
6	22	105848	CLAMP, PLASTIC, 3/4" OD HOSE
5	1	105792	FITTING, ELBOW, 90°, 1/4 H X 1/2 H
4	4	104383	CLAMP, NYLON, 1/2" OD HOSE
3	3	1058500200	HOSE, NT-80, 1/4 ID X 1/2 OD X 2" LG.
2	-	105988	VALVE ASSY, WATER INLET
1	-	105987	VALVE ASSY, WATER INLET

PICTORIAL

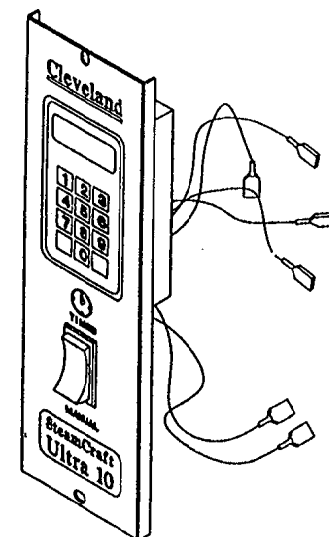
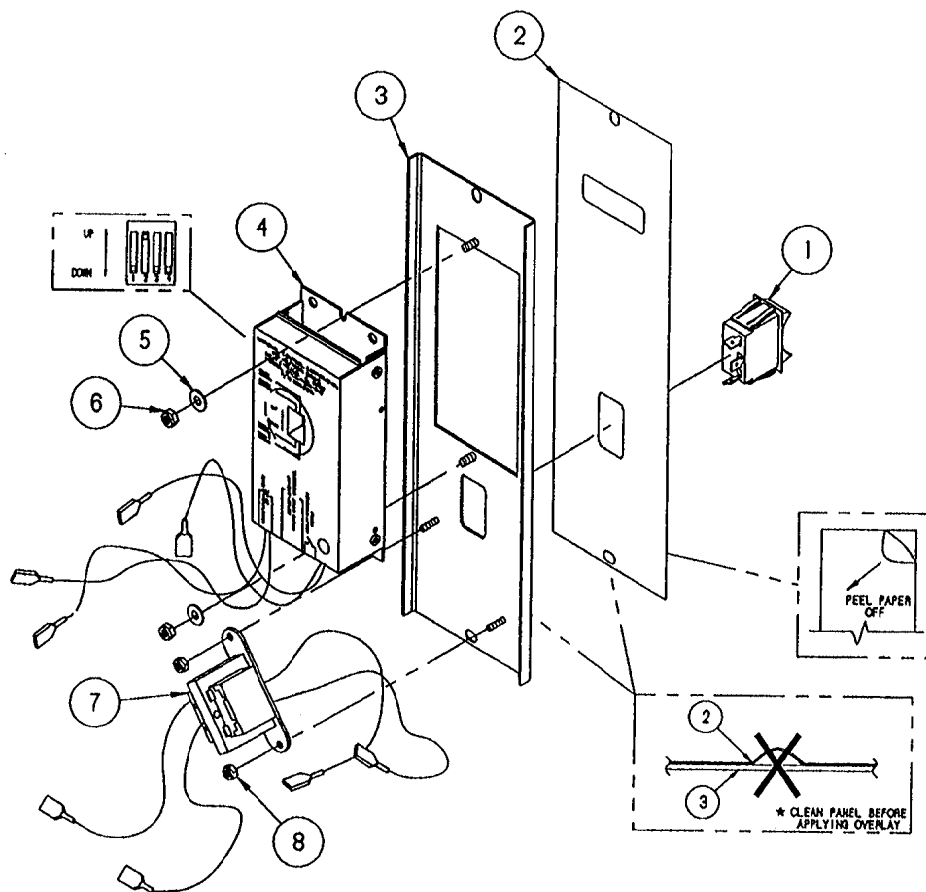
QTY. 16

OMIT

PICTORIAL

TOLERANCES (UNLESS OTHERWISE SPECIFIED)		CLEVELAND RANGE INC. 1333 East 179th St. Cleveland, Ohio 44110-2574	
DECIMAL ± 1/A	SCALE 1/8"=1'	DRAWN BY S. MILEWSKI	APPROVED BY
ANGULAR ± 1/A	TITLE HOSE DETAIL STEAMCRAFT ULTRA 10, GAS		
CK	DATE 07-29-92	DRAWING NO. C - 106002	REV. E

LET.	REVISIONS	DATE	BY
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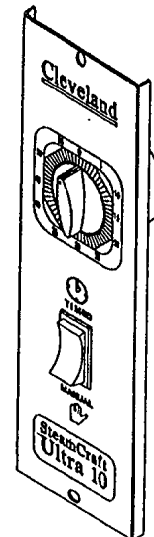
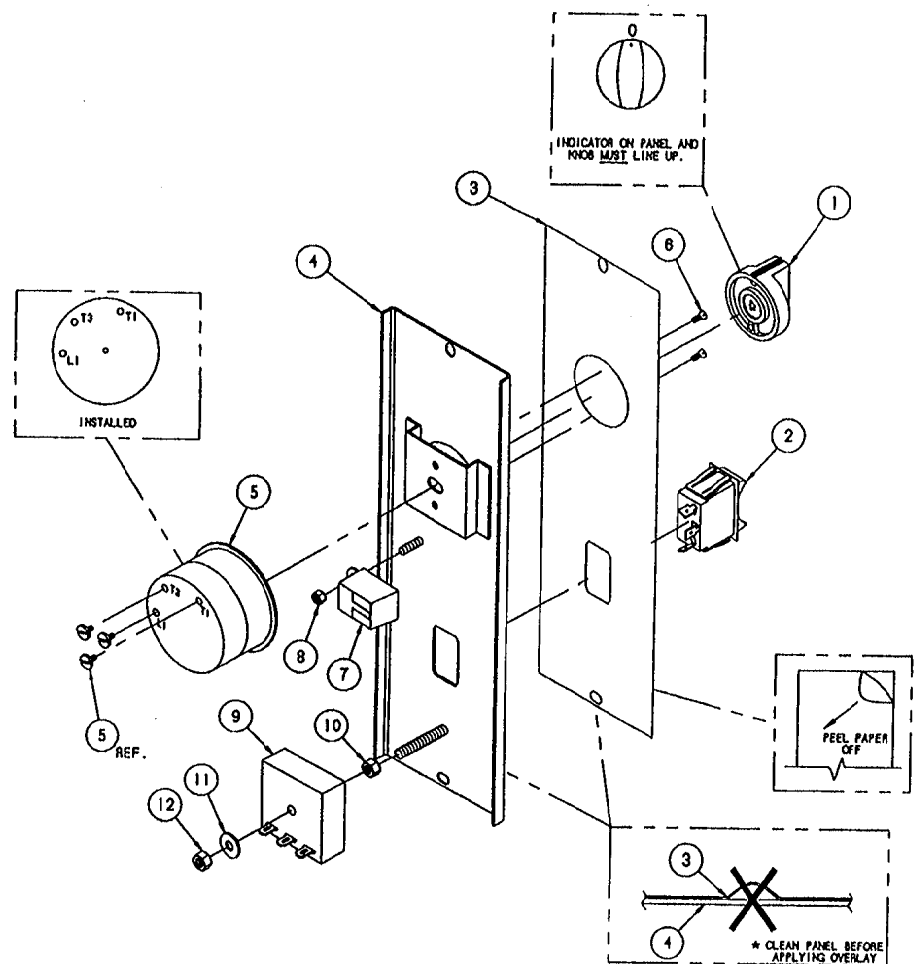


8	2	104223	NUT, HEX, #6-32, ELASTIC LOCK
7	1	104390	TRANSFORMER ASSEMBLY
6	2	14892	NUT, HEX, #10-24, ELASTIC LOCK
5	2	101655	WASHER, FLAT, #10, S/S
4	1	104389	TIMER ASSEMBLY, NCC
3	1	104704	PANEL, WELDMENT, ELEC TIMER
2	1	106454	LABEL, CONTROL PANEL, ELEC
1	1	104224	SWITCH, ROCKER, SPDT
ITEM	QTY.	PART NO.	DESCRIPTION

TOLERANCES (EXCEPT AS NOTED)			
CLEVELAND RANGE INC. 1333 East 179th St. Cleveland, Ohio 44110-2574			
DECIMAL ± N/A	SCALE 3/8=1	DRAWN BY DUTCHMAN	APPROVED BY
ANGULAR ± N/A	TITLE TIMER ASS'Y, ELECTRIC CONTROL REAR MOUNTED, STEAMCRAFT ULTRA 10		
CK	DATE 05-27-93	DRAWING NO. B - 106562	REV. -

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LET.	REVISIONS	DATE	BY
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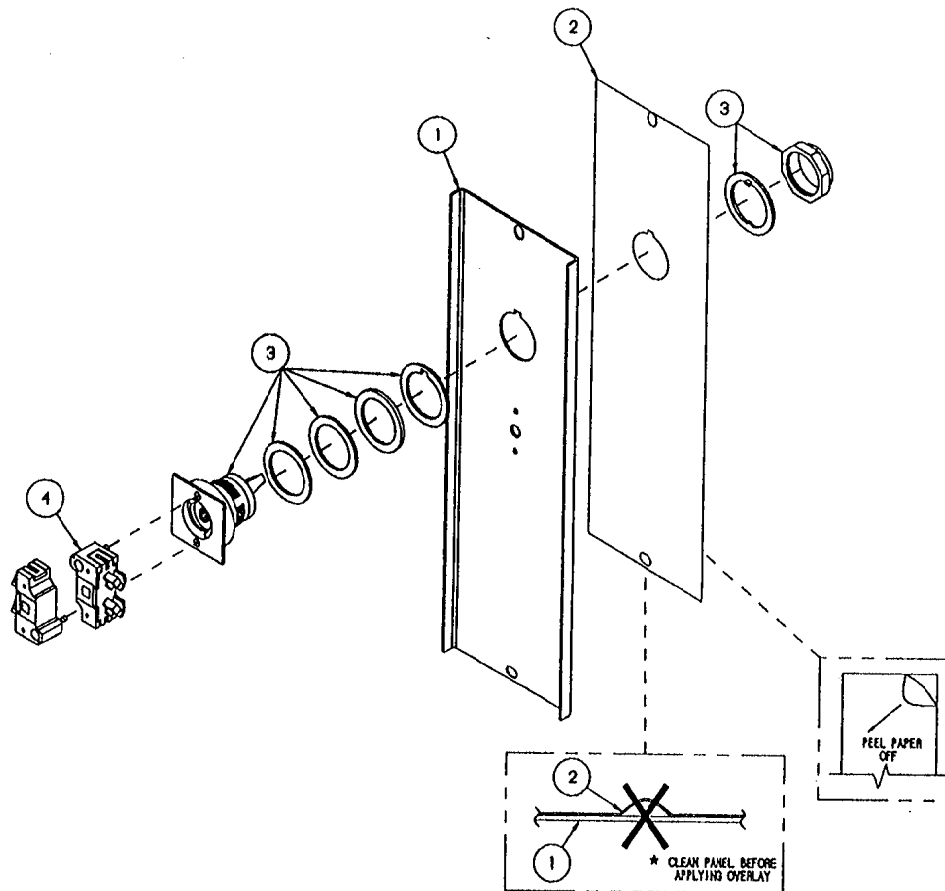


12	1	101873	NUT, HEX, 1/4-20, ELASTIC LOCK
11	1	23116	WASHER, FLAT, 1/4, S/S
10	1	14617	NUT, HEX, 1/4-20, BLACK OXIDE
9	1	20477	TIMER, SOLID STATE, 3 SEC
8	1	14692	NUT, HEX, 10-24, ELASTIC LOCK
7	1	41350	BUZZER ASSY, w/ TERMINALS
6	2	19201	SCREW, PAN HD, 5-40 x .250
5	1	20476	TIMER, 60 MIN, MECH. SWITCH
4	1	104958	PANEL, WELDMENT, MECH. TIMER
3	1	108537	LABEL, CONTROL PANEL, MECH.
2	1	104224	SWITCH, ROCKER, SPDT
1	1	11307	KNOB, TIMER
ITEM	QTY.	PART NO.	DESCRIPTION

TOLERANCES (EXCEPT AS NOTED)		CLEVELAND RANGE INC. 1333 East 179th St. Cleveland, Ohio 44110-2574	
DECIMAL ± N/A	SCALE 3/8=1	DRAWN BY DUTCHMAN	APPROVED BY
ANGULAR ± N/A	TITLE TIMER ASSEMBLY, MECH. CONTROL REAR MOUNTED, STEAMCRAFT ULTRA 10		
CK	DATE 05-27-93	DRAWING NO. B - 106563	REV. -

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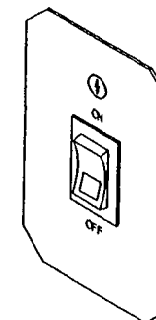
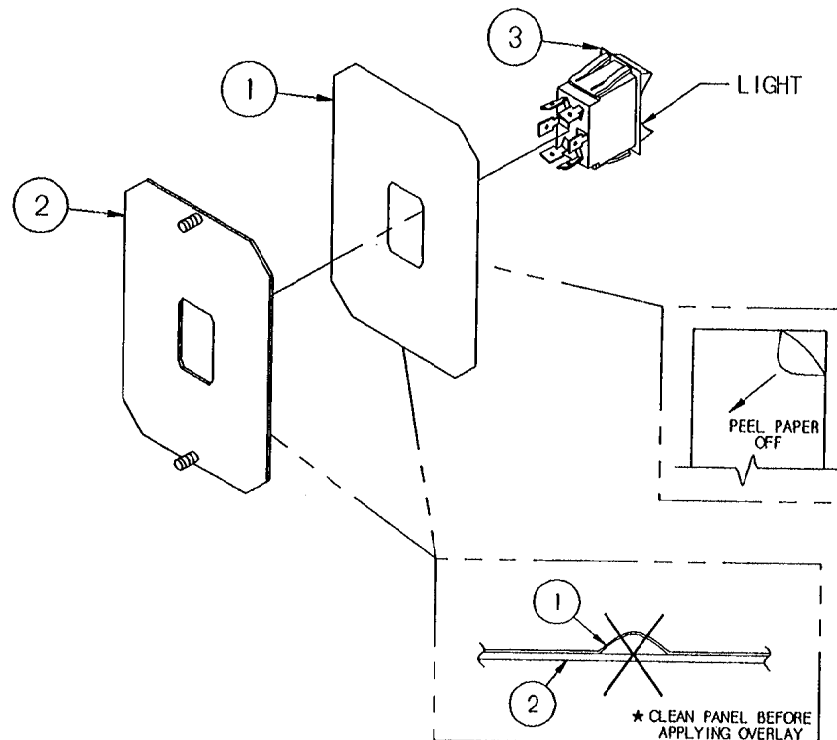
LET.	REVISIONS	DATE	BY
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4	2	102533	BLOCK, CONTACT
3	1	102534	SWITCH, SELECTOR
2	1	106538	LABEL, CONTROL PANEL, ON/OFF
1	1	104981	PANEL WELDMENT, ON/OFF CONTROL
ITEM	QTY.	PART NO.	DESCRIPTION

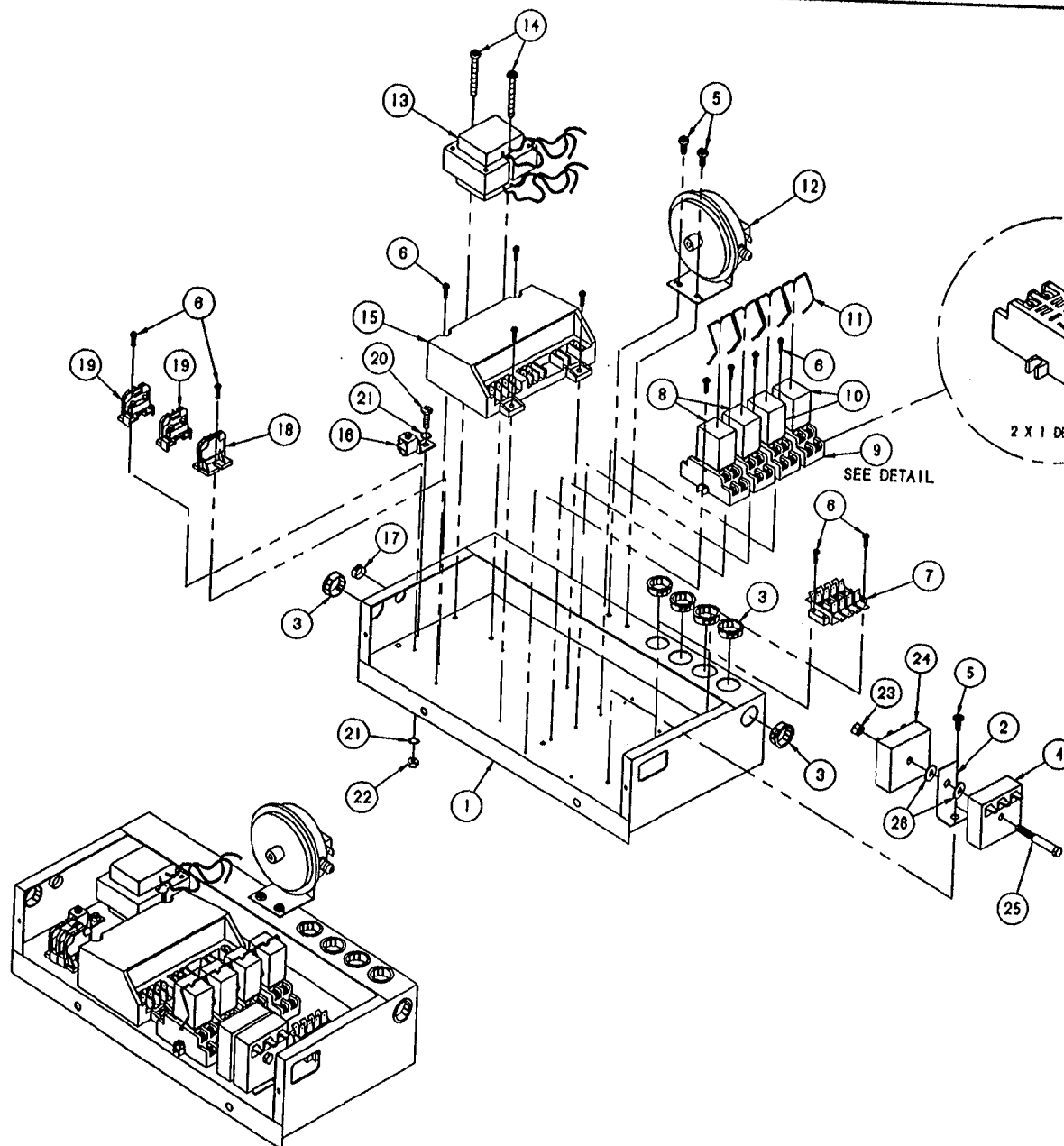
TOLERANCES (EXCEPT AS NOTED)		CLEVELAND RANGE INC. 1333 East 179th St. Cleveland, Ohio 44110-2574	
DECIMAL ± N/A	SCALE 3/8=1	DRAWN BY DUTCHMAN	APPROVED BY
ANGULAR ± N/A	TITLE TIMER ASSEMBLY, ON/OFF CONTROL REAR MOUNTED, STEAMCRAFT ULTRA 10		
CK	DATE 05-27-93	DRAWING NO. B - 106564	REV. -

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3	1	19993	SWITCH, ROCKER, DPDT, LIGHT
2	1	105851	PANEL, CONTROL, WELD ASSY
1	1	105723	LABEL, CONTROL PANEL, POWER
ITEM	QTY.	PART NO.	DESCRIPTION
TOLERANCES (EXCEPT AS NOTED)		CLEVELAND RANGE INC. 1333 East 179th St. Cleveland, Ohio 44110-2574	
DECIMAL ± N/A	SCALE 1/2=1	DRAWN BY S. MILEWSKI	APPROVED BY
ANGULAR ± N/A	TITLE PANEL ASSEMBLY POWER SWITCH STEAMCRAFT 10		
CK	DATE 6-10-92	DRAWING NO. B - 105910	REV. -

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LET	REVISIONS	DATE	BY
A	REPLACE 106096 WITH 105955 PER C-2531	3/21/94	DLD
B	ADDED DETAIL PER E.O. 4C-2702	08-09-94	PJO
C	TIMER P/N WAS 104716, IS 106541, 4C-2703	1/23/95	DLD

26	2	23116	WASHER, FLAT, 1/4-20, S/S
25	1	106118	BOLT, 1/4-20 X 2-1/4, ZINC PLTD
24	1	106541	TIMER, 1 MIN ON, 0.8 SEC OFF
23	1	14618	NUT, HEX, 1/4-20, FULL FINISH
22	1	14672	NUT, HEX, LOCK ELASTIC, 10-32
21	2	23114	WASHER, INTERNAL TOOTH, 10-32
20	1	101334	SCREW, SLTD PH HD, 10-32 X 1/2
19	2	20301	TERMINAL SECTION, MARATHON
18	1	20302	TERMINAL, END SECTION, MARATHON
17	1	02616	BUSHING, INSULATOR, HEYCO
16	1	20304	GROUND LUG
15	1	105693	SPARK IGNITION CONTROL MODULE
14	2	106125	SCREW, SLTD TORX, #6-32 X 1.75
13	1	20528	TRANSFORMER, 24 VOLT
12	1	105788	SWITCH, AIR PROVER
11	4	105044	CLIP, WIRE, RELAY
10	2	105785	RELAY, 24V, COIL, DPDT
9	4	03525	SOCKET, RELAY
8	2	03524	RELAY, 120V
7	1	105990	TERMINAL BLOCK ASSY, 4 POLE
6	12	106127	SCREW, SLTD TORX, #6-32 X 1/2
5	3	106123	SCREW, SLTD TORX, #10-32 X 1/2
4	1	20478	INTERVAL TIMER, 180 SEC.
3	6	02800	BUSHING, INSULATOR, HEYCO
2	1	105955	BRACKET, DUAL TIMER MOUNTING
1	1	105517	BOX, ELEC, WELDMENT

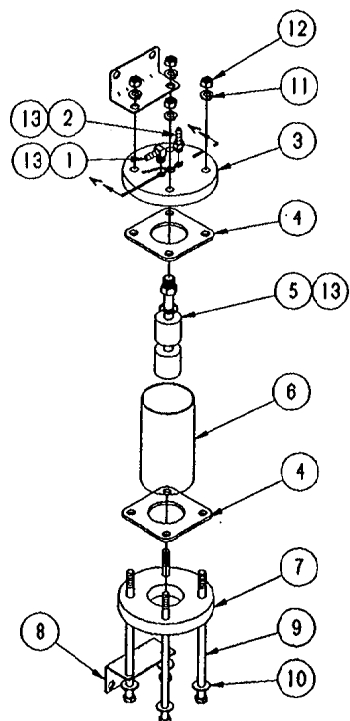
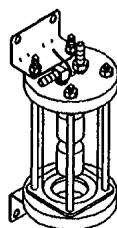
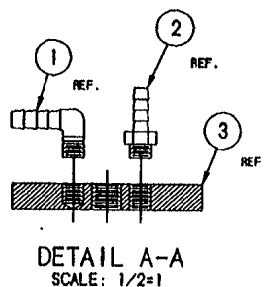
NO.	QTY.	PART NO.	DESCRIPTION
TOLERANCES UNLESS OTHERWISE SPECIFIED			
DECIMAL ± .001			
ANGULAR ± .001			
CK			

CLEVELAND RANGE INC.

1333 East 179th St. Cleveland, Ohio 44110-2374

SCALE 3/8"=1	DRAWN BY M. THOMPSON	APPROVED BY
TITLE ELECTRIC BOX ASSEMBLY	DATE 10-20-92	DRAWING NO. C - 1059021
REV. C		

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AND IS THE PROPERTY OF CLEVELAND RANGE.
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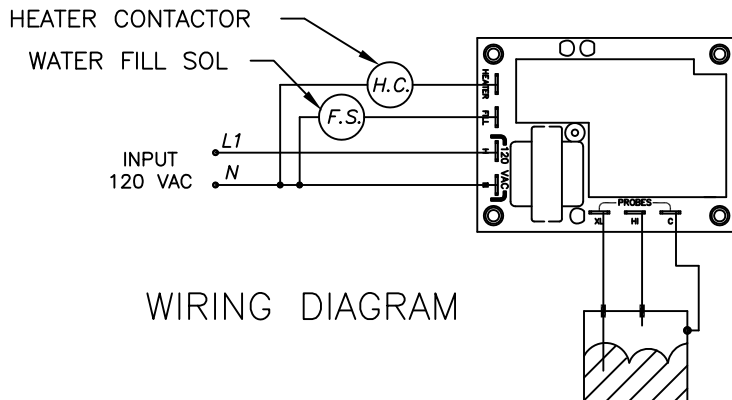
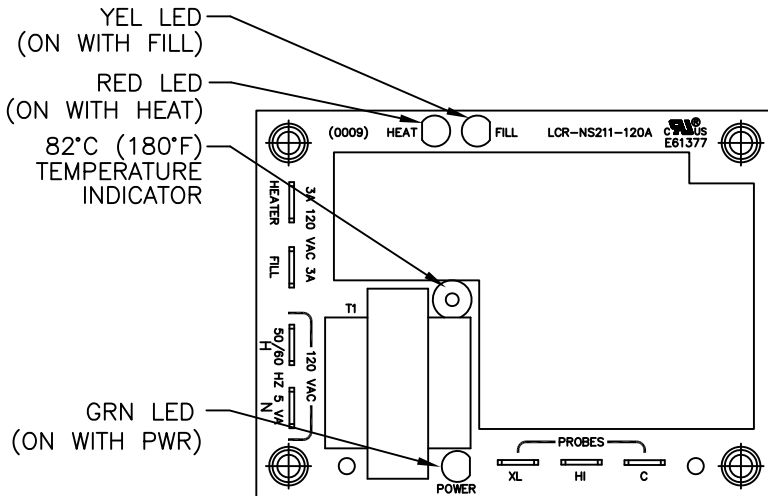


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LET.	REVISIONS	DATE	BY
A	ROTATED 90° P/Ns 105787 & 104380 PER EO #C-2304	10-05-92	PJD
B	REMOVED P/N 06240 PER E.O. #C-2423	05-20-93	PJD
C	P/N 104381 WAS P/N 104380 PER EO C-2575	02/24/94	DFA

13	A/R	00934	SEALANT, RECTORSEAL
12	4	14618	NUT, HEX HEAD, 1/4-20, S/S
11	4	23105	WASHER, SPLIT LOCK, 1/4, S/S
10	4	23116	WASHER, FLAT, 1/4, S/S
9	4	104276	SCREW, HEX HEAD, 1/4-20 x 5.5, S/S
8	2	105925	BRACKET, MOUNTING, FLOAT ASSY
7	1	104040	CAP, FLOAT BOTTOM
6	1	104190388	TUBE, POLYSULFONE, 2 x .125 x 3.675
5	1	103728	SWITCH ASSEMBLY, FLOAT
4	2	104041	GASKET, FLOAT ASSEMBLY
3	1	104039	TOP, FLOAT, STEAMCRAFT
2	1	104381	FITTING, HOSE BARB, 1/4 H x 1/4 MPT
1	1	105787	FITTING, HOSE BARB, 90°, 1/4 H x 1/8 MPT
ITEM	QTY.	PART NO.	DESCRIPTION
TOLERANCES (EXCEPT AS NOTED)		CLEVELAND RANGE INC. 1333 East 179th St. Cleveland, Ohio 44110-2574	
DECIMAL ± N/A	SCALE AS SHOWN	DRAWN BY S. MILEWSKI	APPROVED BY
ANGULAR ± N/A	TITLE FLOAT ASSEMBLY STEAMCRAFT 10, GAS		
CK	DATE 06-29-92	DRAWING NO. B - 105957	REV. C

107241 Water Level Board



GENERAL DESCRIPTION

THIS SOLID STATE CONTROLLER SERVES AS A DUAL LEVEL WATER SENSING DEVICE. IT'S FUNCTIONS ARE TO:

1. MONITOR AND MAINTAIN A PRESET OPERATING WATER LEVEL WITHIN A STEAM GENERATOR VESSEL, AND
2. MONITOR THE SAFE LOW WATER LIMIT FOR HEATER OPERATION AND PROVIDE HEATER LOCK-OUT FOR UNSAFE OPERATION.

EACH FUNCTION WILL BE CONTROLLED BY RESISTANCE SENSING BETWEEN THE PROBES ("HI" & "LOW" TERMINALS) AND A GROUNDED COMMON ("C" TERMINAL).

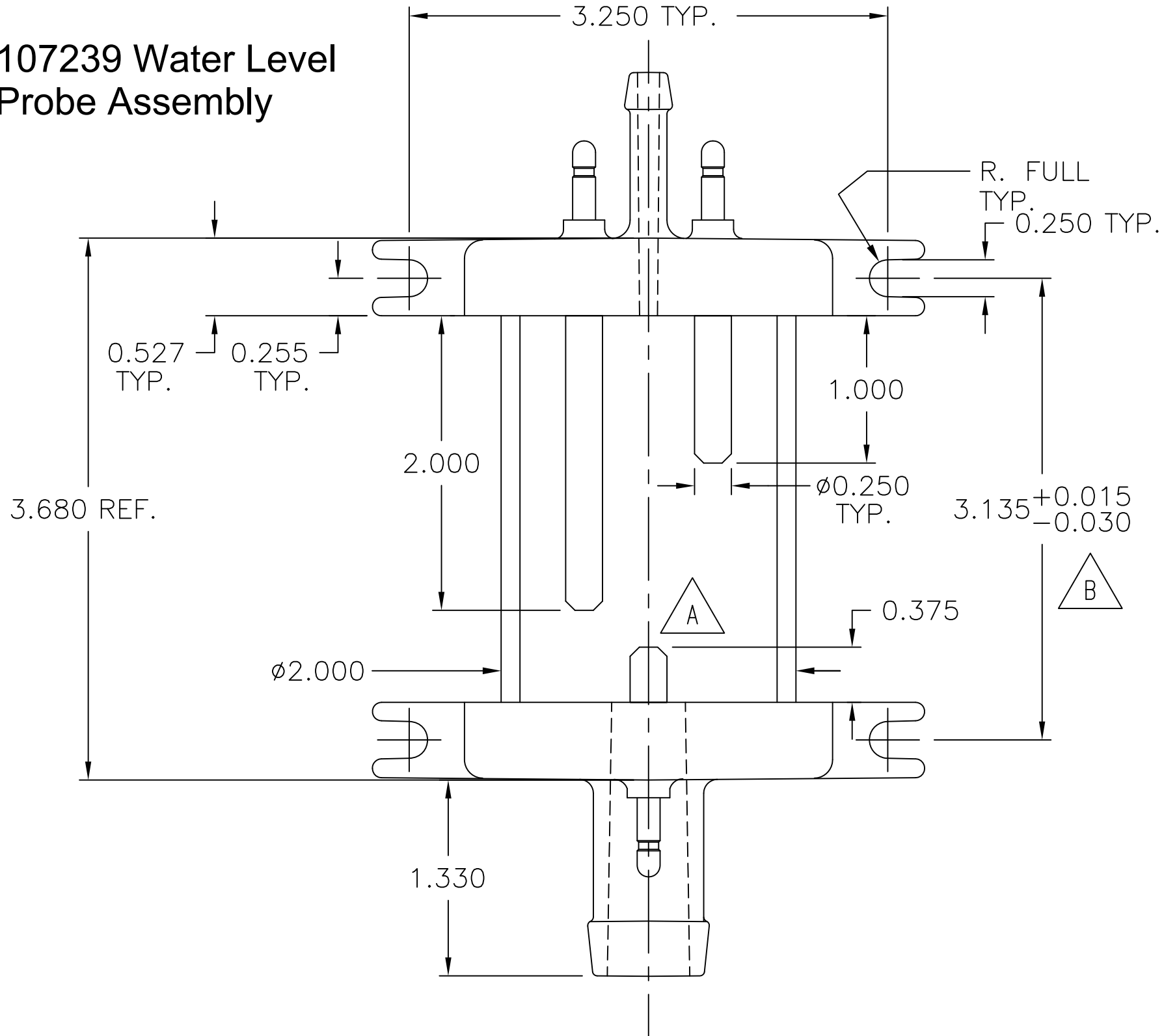
LOW PROBE OPERATION

WHEN WATER CONTACTS PROBE, RESISTANCE BETWEEN "LOW" PROBE AND COMMON "C" WILL BE BELOW SET POINT (50 K OHM) AND OUTPUT RELAY WILL BE ACTIVATED IMMEDIATELY TO SUPPLY 120 VAC FROM L1 TO HTR TERMINAL. WHEN CONTACT BETWEEN WATER AND PROBE IS BROKEN (RESISTANCE GREATER THAN 50 K OHM) THE RELAY WILL BE DEACTIVATED WITHIN 0-2 SECONDS.

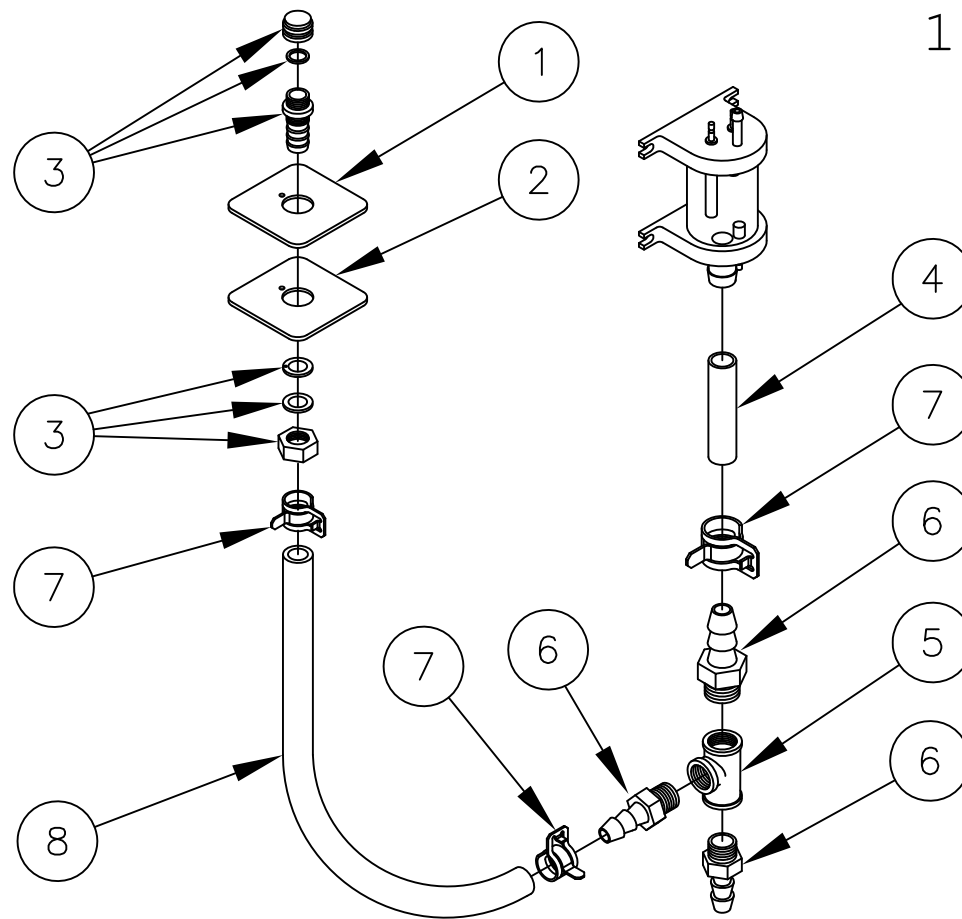
HI PROBE OPERATION

AS WATER MAKES CONTACT WITH PROBE, RESISTANCE BETWEEN "HI" AND COMMON "C" WILL BE BELOW SET POINT (50 K OHM) AND OUTPUT RELAY IS DEACTIVATED IMMEDIATELY. WHEN WATER BREAKS CONTACT WITH "HI" PROBE DELAY TIMING STARTS. TIMING IS NOT ACCUMULATIVE AND DELAY TIMER WILL BE RESET TO ZERO ANY TIME RESISTANCE BETWEEN "HI" PROBE AND COMMON "C" GOES BELOW SET POINT (50 K OHM). WHEN RESISTANCE BETWEEN HI PROBE AND COMMON "C" REMAINS ABOVE SET POINT FOR MORE THAN 5 SEC. (-2,+0 SEC.) THE OUTPUT RELAY ACTIVATED TO PROVIDE 120 VAC FROM L1 TO WF TERMINAL.

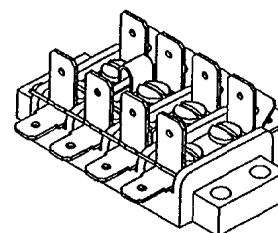
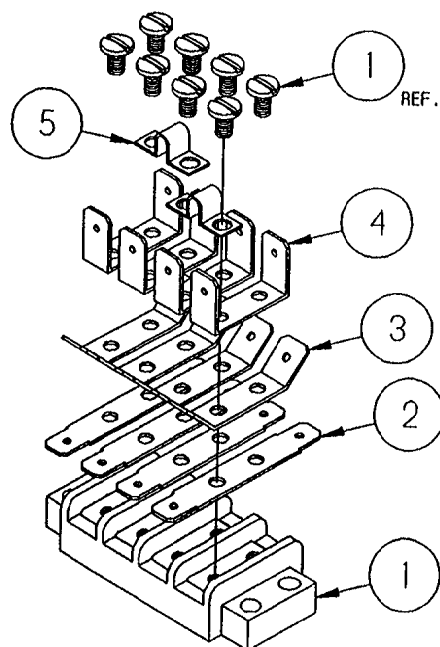
107239 Water Level Probe Assembly



108727



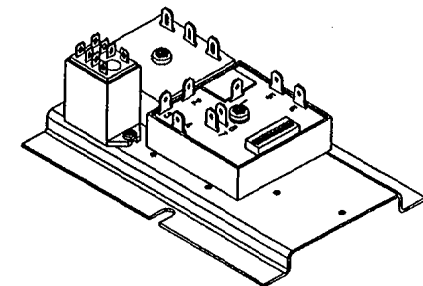
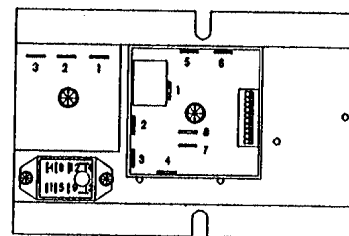
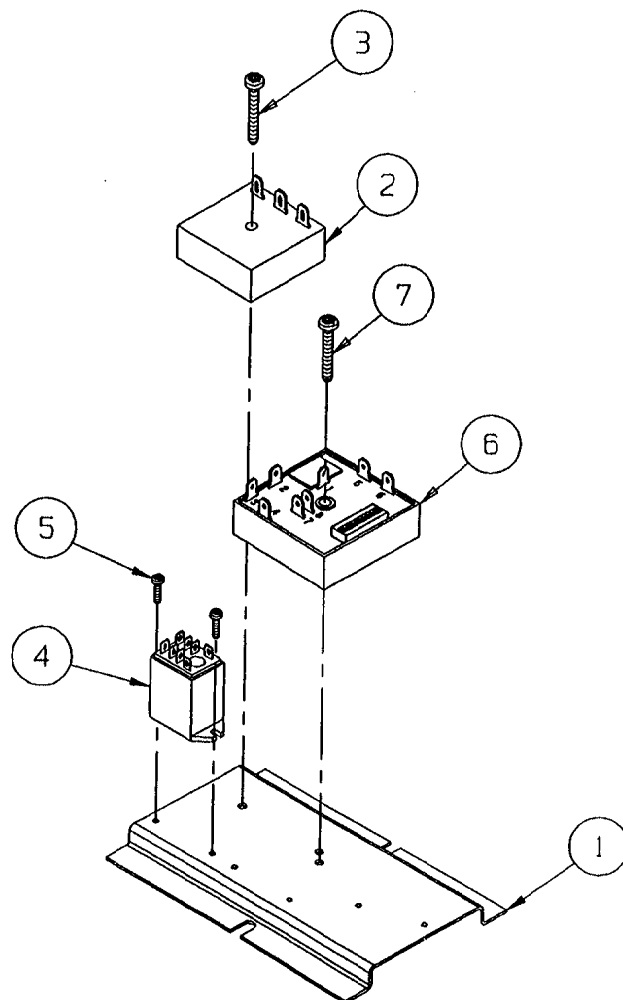
8	1	085112700	HOSE, WHITE, EPDM, 3/4 ID X 27.000 LG
7	2	107312	CLAMP, HOSE METAL TENSION, 1.125 OD HOSE
6	2	06240	FITTING, HOSE BARB, 3/4 X 3/4
5	1	20206	TEE, 3/4 BRASS
4	1	085110600	HOSE, WHITE, EPDM, 3/4 ID X 6.000
3	1	109641	PORT ASSEMBLY, DESCALER
2	1	108724	PLATE, DESCALER PORT CVRSN
1	1	108723	GASKET, DESCALER PORT CVRSN



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LET.	REVISIONS	DATE	BY
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ITEM	QTY.	PART NO.	DESCRIPTION
5	2	20328	TERMINAL CONNECTOR, JUMPER
4	4	20327	TERM. CONN., MALE TAB, 90°
3	4	20326	TERM. CONN., MALE TAB, 45°
2	4	20325	TERMINAL CONN., MALE TAB
1	1	02192	TERMINAL BLOCK, 4 TERMINAL
TOLERANCES (EXCEPT AS NOTED)		CLEVELAND RANGE INC. 1333 East 179th St. Cleveland, Ohio 44110-2574	
DECIMAL ± N/A	SCALE 5/8=1	DRAWN BY S. MILEWSKI	APPROVED BY JTW
ANGULAR ± N/A	TITLE TERMINAL BLOCK ASSEMBLY 4 POLE		
CK	DATE 07-22-92	DRAWING NO. A - 105990	REV. -



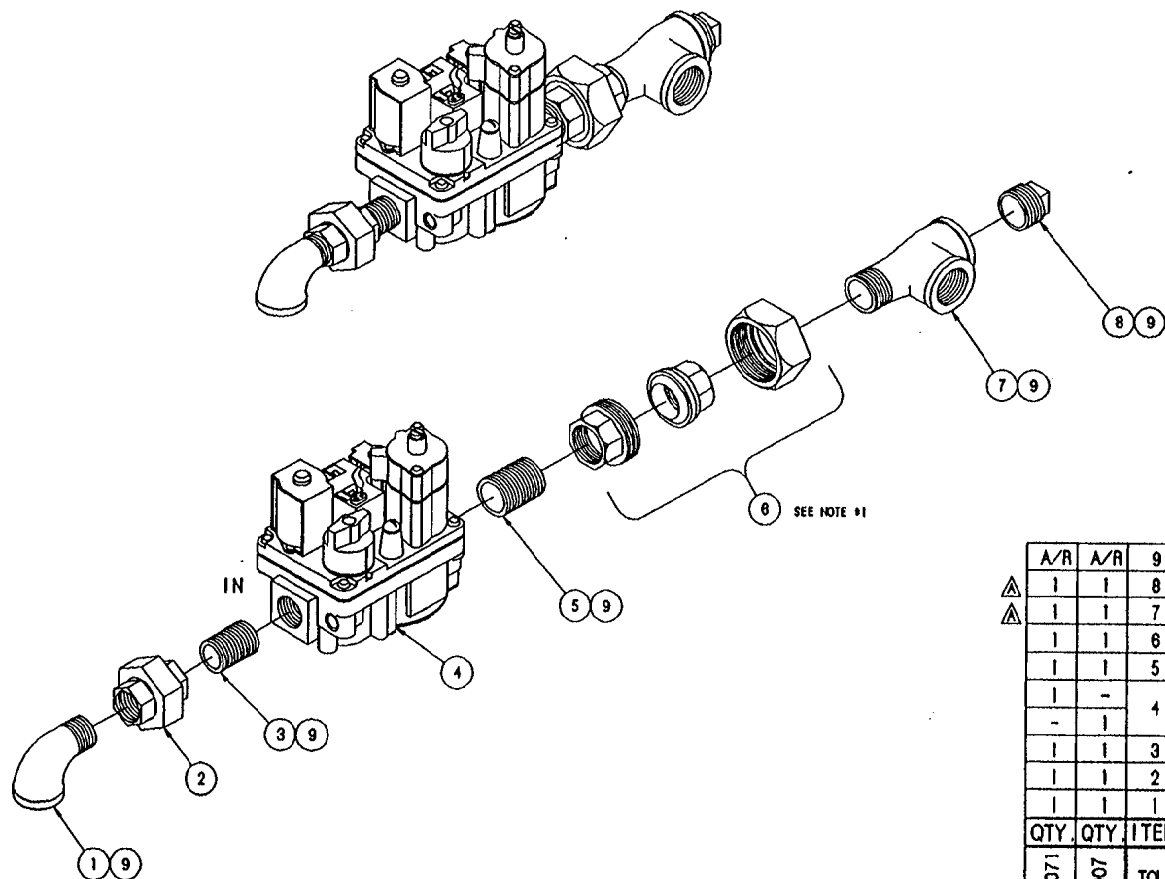
HEAT STANDBY
ULTRA 10 GAS

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7	1	108124	SCREW, TORX/SLOT #10-32 X 1.00" LG.
6	1	108911	TIMER, CLEAN LIGHT (DIP SWITCHES)
5	2	108127	SCREW, TORX/SLOT #8-32 X .500" LG.
4	1	105908	RELAY, 120 V, DPDT
3	1	108124	SCREW, TORX/SLOT #10-32 X 1.00" LG.
2	1	108580	TIMER, 20 SEC ON, 8 MIN OFF
1	1	108308	BRACKET, OPTION PLATE
ITEM	QTY.	PART NO.	DESCRIPTION
ITEM	QTY.	PART NO.	DESCRIPTION
TOLERANCES (EXCEPT AS NOTED):			
DECIMAL	SCALE	DRAWN BY	APPROVED BY
± N/A	3/8" ± .1"	DUTCHMAN	
ANGULAR	TITLE	HEAT STANDBY ULTRA 10 GAS	
± N/A			
CK	DATE 09-15-94	DRAWING NO. C - 107043	SV.

NOTES:

1.1 ITEM (8) P/N 21305 MUST BE
ASSEMBLED AS SHOWN.

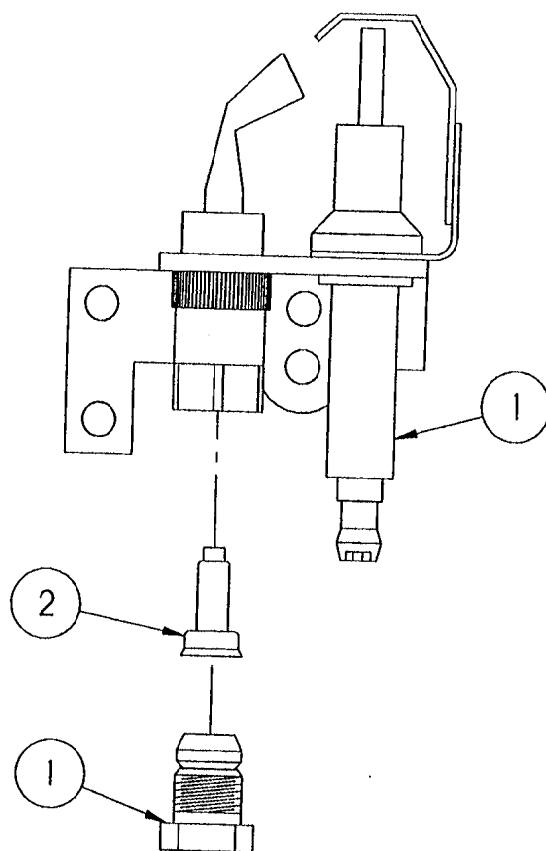


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LET.	REVISIONS	DATE	BY
A	P/N 105541 WAS 05259 ELBOW P/N 16608 PLUG ADDED PER E.O. #C-3204	01-12-93	PJD

A/R	A/R	9	-	00934	SEALANT, RECTORSEAL
1	1	8	-	16608	PLUG, 3/4", BLACK
1	1	7	-	105541	TEE, STREET, 3/4", BLACK
1	1	6	-	21305	UNION, 3/4, BLACK
1	1	5	-	14343	NIPPLE, 3/4 x CLOSE, BLACK
1	-	4	-	1057821	VALVE, GAS REGULATOR, LIQUID PROPANE
-	1	-	-	105782	VALVE, GAS REGULATOR, NATURAL GAS
1	1	3	-	14323	NIPPLE, 1/2 x CLOSE, BLACK
1	1	2	-	21302	UNION, 1/2, BLACK
1	1	1	-	05252	ELBOW, STREET, 90°, 1/2, BLACK

QTY.	QTY.	ITEM	QTY.	PART NO.	DESCRIPTION
1059071	105907	TOLERANCES (EXCEPT AS NOTED)			CLEVELAND RANGE INC. 1333 East 179th St. Cleveland, Ohio 44110-2574
		DECIMAL ± N/A	SCALE 3/8=1	DRAWN BY S. MILEWSKI	APPROVED BY
		ANGULAR ± N/A	TITLE	GAS VALVE ASSEMBLY STEAMCRAFT 10	
		CK	DATE 06-09-92	DRAWING NO. B - 105907 - 1059071	REV. A



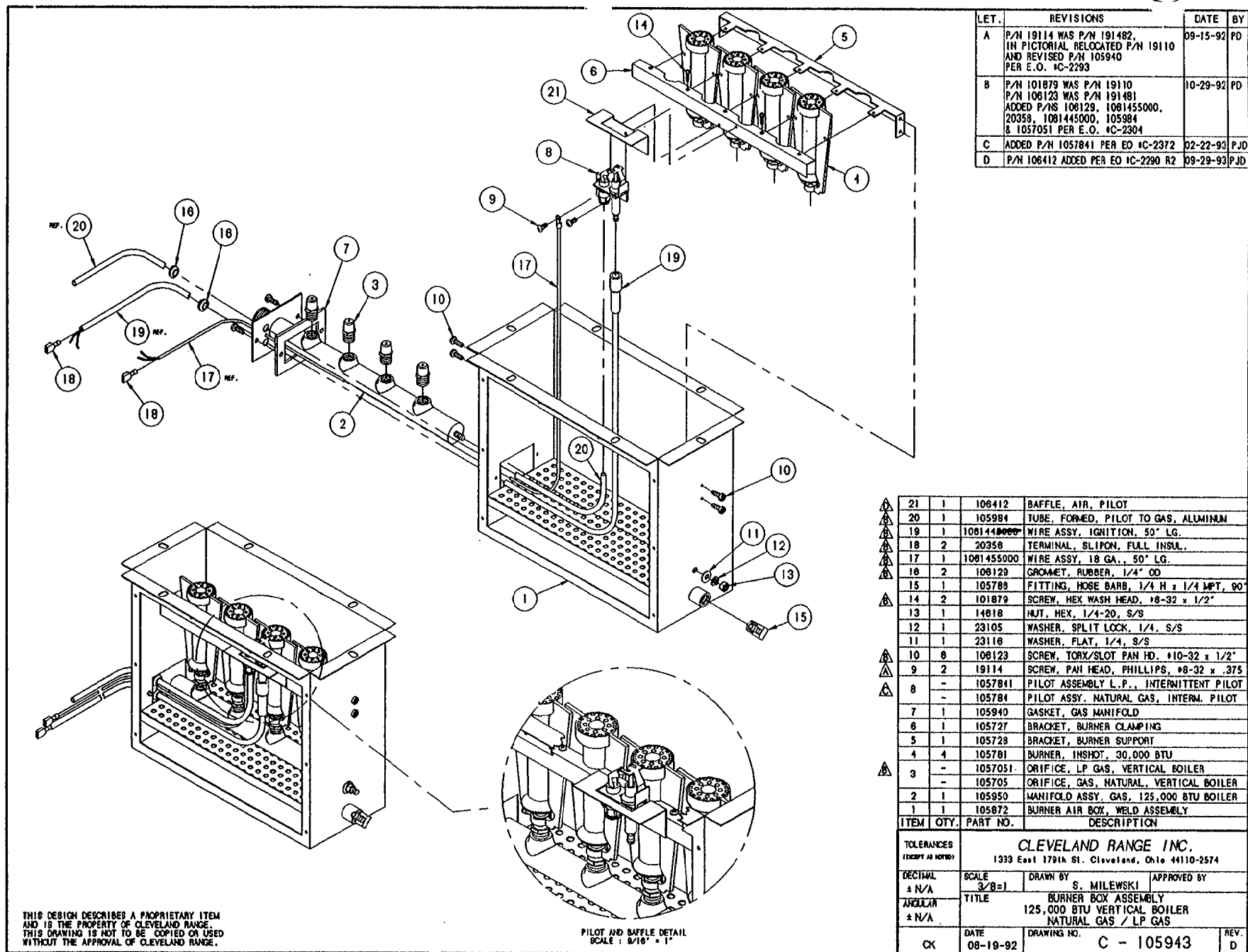
LET.	REVISIONS	DATE	BY
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NOTE:

- 1.) REMOVE ORIFACE FROM
P/N 105784 AND DISCARD.
- 2.) INSTALL P/N 106375.

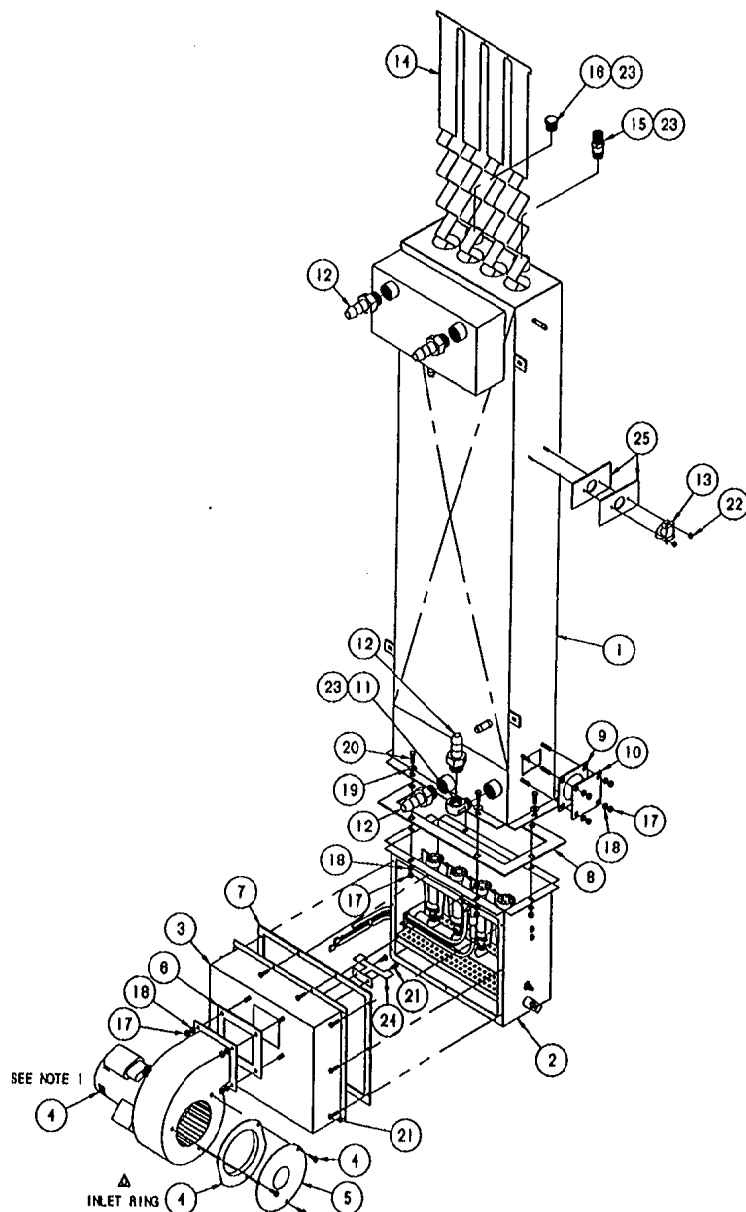
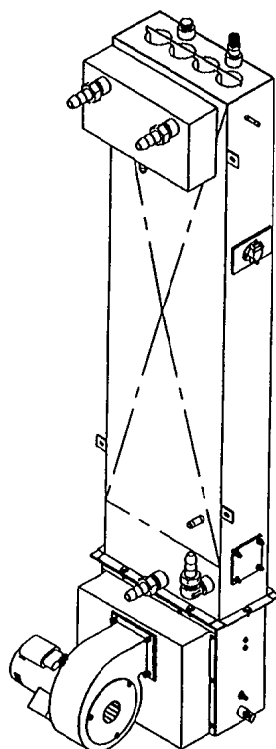
2	1	106375	ORIFICE, PILOT, 0.012"	
1	1	105784	PILOT	
ITEM	QTY.	PART NO.	DESCRIPTION	
TOLERANCES (EXCEPT AS NOTED)		CLEVELAND RANGE INC. 1333 East 179th St. Cleveland, Ohio 44110-2574		
DECIMAL ± N/A	SCALE 1=1	DRAWN BY DUTCHMAN	APPROVED BY -	
ANGULAR ± N/A	TITLE PILOT ASSEMBLY, L.P. STEAMCRAFT 10			
CK	DATE 02-22-93	DRAWING NO. A - 1057841		REV. -

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NOTES:

1. REMOVE SCREWS FROM ITEM (4) AS SHOWN. REINSTALL INLET RING TO FAN HOUSING. Δ INSTALL ITEM (5) AND REPLACE SCREWS.



LET.	REVISIONS	DATE	BY
A	ADDED P/N 10691 AND P/N 18148 BUS QTY. OF 9 PER E.O. 40-2290	09-08-12	PD
B	PICTORIAL CONNECTED PER 60 40-2290	10-29-12	PD
C	P/N 106397 QTY. 21 ADDED P/N 106126 QTY. 101 REPLACES P/N 18148 QTY. 111 PER 60 40-2291 P2	02-09-13	PD
D	INLET RING NOW SHOWN EXPLODED FROM FAN HOUSING PER E.O. 40-2291 P2	03-09-13	PD

23	2	106397	INSULATOR, THERMISTOR
24	1	106091	BAFFLE, AIR, PILOT, 125,000 BTU GAS
25	1	00034	SEALANT, RECTORSAL
26	2	104223	NUT, HEX, ELASTIC LOCK, 1/8-32
27	10	106126	SCREW, TORX-SLOT FAN HOUSING, 8-32 X 1/2
28	8	18170	SCREW, HEX HD, 1/4-20 X .625, 5/8
29	8	23110	WASHER, FLAT, 1/4, 5/8
30	14	23109	WASHER, FLAT LOCK, 1/4, 5/8
31	14	14818	NUT, HEX, 1/4-20, 5/8
32	1	18406	PLUG, HEX HEAD, 1/2 SPT, BRASS
33	1	105375	VALVE, THERMOPNEUMATIC, POP-CAT, 1/2 SPT
34	1	105120	BAFFLE ASSEMBLY, COMBUSTION
35	1	105788	SWITCH, THERMAL DISK, SPDT, 180°
36	4	04240	FITTING, HOSE BARB, 3/4 TUBE X 3/4 SPT
37	1	05231	ELBOW, STREET, 90°, 3/4, BRASS
38	1	104814	PLATE, BLOWOFF
39	1	07126	GASKET, HEATER/BLOWOFF PLATE
40	1	105926	GASKET, BOILER MOUNT
41	1	105927	GASKET, BURNER MOUNT
42	1	105928	GASKET, FAN MOUNT
43	1	105738	ORIFICE, BLOWER INLET
44	1	105895	FAN, CENTRIFUGAL, 200 CFM
45	1	105743	CHAMBER, AIR DISTRIBUTION ASSEMBLY
46	1	105943	BURNER BOX ASSEMBLY, NATURAL GAS
47	1	105711	STEAM GENERATOR ASSEMBLY, WELDED

ITEM	QTY	PART NO.	DESCRIPTION
TOLERANCES UNLESS OTHERWISE SPECIFIED			
DECIMALS			
1/16"	SCALE	1/32"	1/16"
1/8"	SCALE	1/16"	1/8"
1/4"	SCALE	1/8"	1/4"
3/8"	SCALE	3/16"	3/8"
1/2"	SCALE	1/2"	1/2"
3/4"	SCALE	3/4"	3/4"
1"	SCALE	1"	1"
1 1/2"	SCALE	1 1/2"	1 1/2"
2"	SCALE	2"	2"
3"	SCALE	3"	3"
4"	SCALE	4"	4"
5"	SCALE	5"	5"
6"	SCALE	6"	6"
7"	SCALE	7"	7"
8"	SCALE	8"	8"
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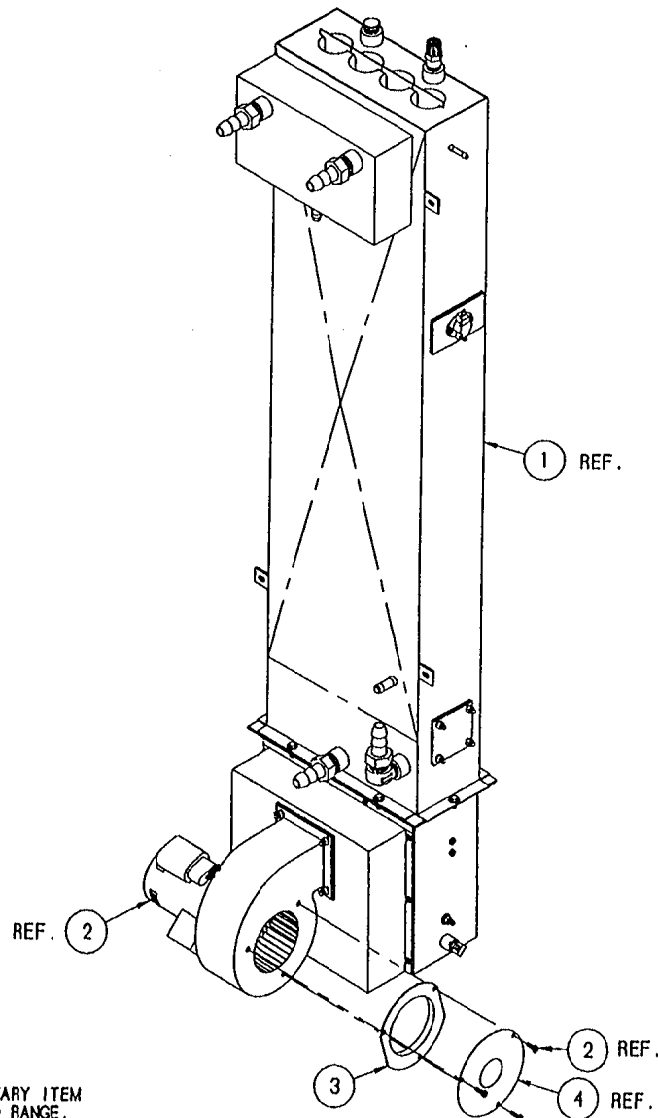
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SEE NOTE 1
 Δ
INLET RING

CLEVELAND RANGE INC.
1533 East 178th St., Cleveland, Ohio 44110-2614

DATE	06-23-92	DATE	06-23-92
BY	0	BY	0
CHK	0	CHK	0
APP	0	APP	0
DES	0	DES	0
ENG	0	ENG	0
MFG	0	MFG	0
QA	0	QA	0
SALES	0	SALES	0
SERVICE	0	SERVICE	0
TRAINING	0	TRAINING	0
WARRANTY	0	WARRANTY	0
OTHER	0	OTHER	0

LET.	REVISIONS	DATE	BY
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FOR FIELD REPAIR

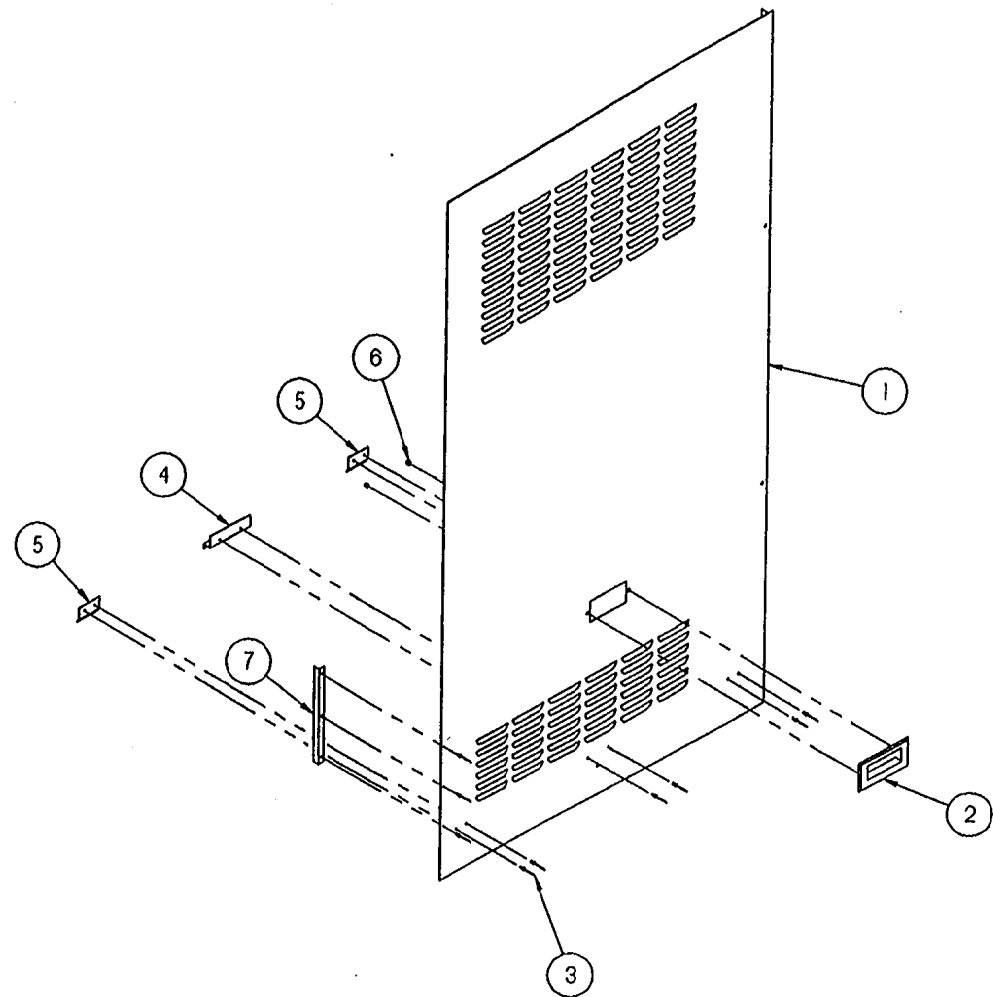
REMOVE 3 SCREWS HOLDING
ITEM 4 AND REASSEMBLE,
AS SHOWN, ADDING ITEM 3.

ITEM	QTY.	PART NO.	DESCRIPTION
4	-	105735	ORIFICE, BLOWER INLET
3	1	106413	RING, FAN INLET
2	-	105695	FAN, CENTRIFUGAL, 200 CFM
1	-	105949	GENERATOR ASSY, SC10 GAS

TOLERANCES (EXCEPT AS NOTED)		CLEVELAND RANGE INC. 1333 East 179th St. Cleveland, Ohio 44110-2574	
DECIMAL ± N/A	SCALE 5/32" = 1"	DRAWN BY DUTCHMAN	APPROVED BY BEDFORD
ANGULAR ± N/A	TITLE FAN SERVICE REPAIR KIT STEAMCRAFT 10, GAS		
CK	DATE 03-05-93	DRAWING NO. B - 260AHN	REV. -

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LET.	REVISIONS	DATE	BY
A	ADDED P/N 106143 & P/N 18357 WAS QTY. OF 6 PER EO 12C-2303	10/07/92	PD

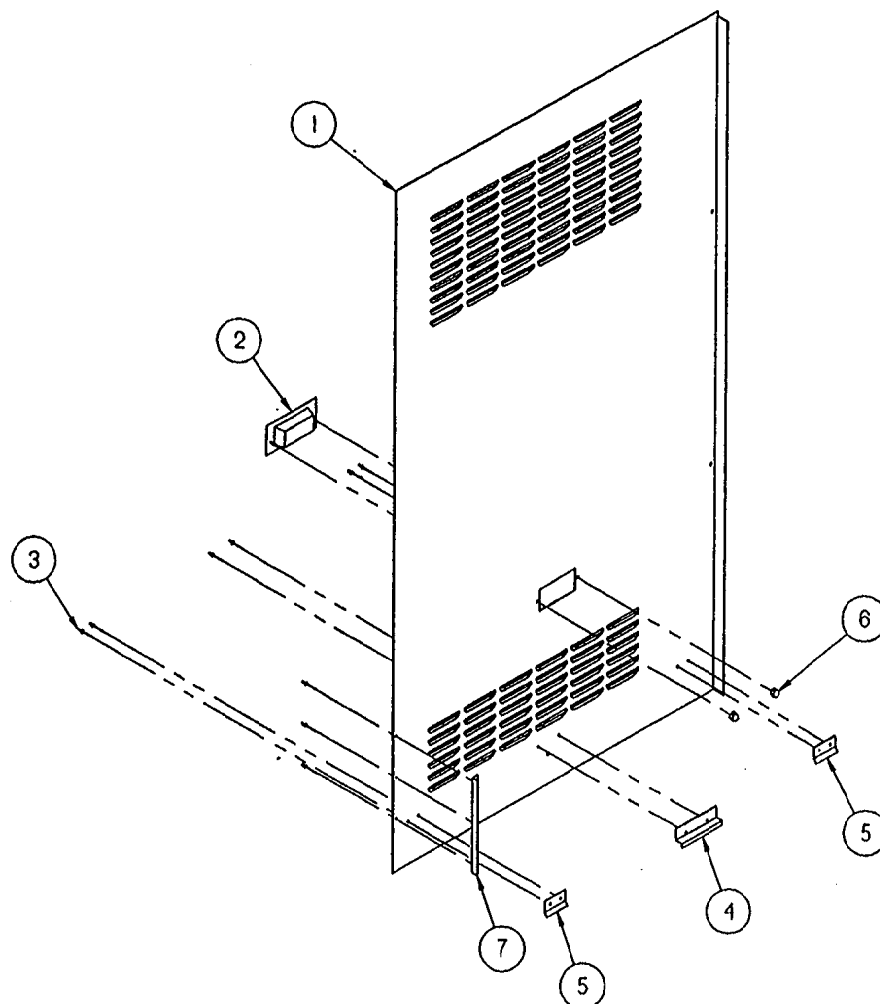


7	1	106143	ANGLE, REINFORCEMENT
6	2	14676	NUT, ACORN 10-32 S/S
5	2	106045	BRACKET, SIDE SUPPORT, SHT.
4	1	106044	BRACKET, SIDE SUPPORT, LG.
3	9	18357	RIVET, FLUSH 1/8 S/S
2	1	08108	HANDLE, DOOR, S/S
1	1	105668	PANEL, SIDE, RIGHT, SC 10
ITEM	QTY.	PART NO.	DESCRIPTION

TOLERANCES (EXCEPT AS NOTED)		CLEVELAND RANGE INC. 1333 East 179th St. Cleveland, Ohio 44110-2574	
DECIMAL ± N/A	SCALE 1/8" = 1"	DRAWN BY DUTCHMAN	APPROVED BY: BEDFORD
ANGULAR ± N/A	TITLE PANEL, SIDE, RIGHT, ASSY. STEAMCRAFT 10		
OK	DATE 09-01-92	DRAWING NO. B - 106042	REV. A

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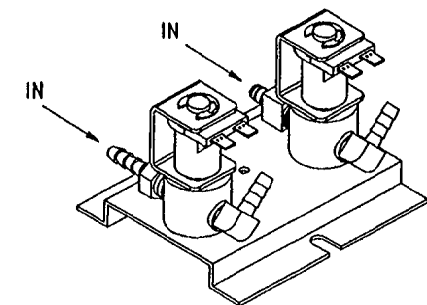
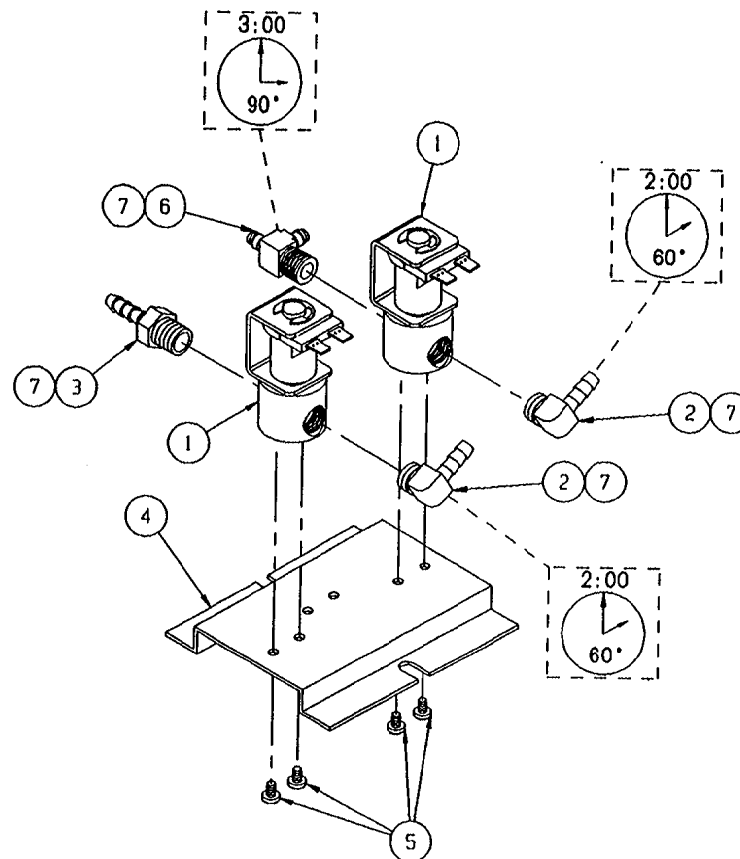
LET.	REVISIONS	DATE	BY
A	ADDED P/N 106143 & P/N 18357 WAS QTY. OF 6 PER EO 12C-2303	10/07/92	PD



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7	1	106143	ANGLE, REINFORCEMENT
6	2	14676	NUT, ACORN 10-32, S/S
5	2	106045	BRACKET, SIDE SUPPORT, SHT.
4	1	106044	BRACKET, SIDE SUPPORT, LG.
3	9	18357	RIVET, FLUSH 1/8 S/S
2	1	08108	HANDLE, DOOR, S/S
1	1	105669	PANEL, SIDE, LEFT, SC 10
ITEM	QTY.	PART NO.	DESCRIPTION
TOLERANCES (EXCEPT AS NOTED)			CLEVELAND RANGE INC. 1333 East 179th St. Cleveland, Ohio 44110-2574
DECIMAL ± N/A	SCALE 1/8 = 1	DRAWN BY DUTCHMAN	APPROVED BY BEDFORD
ANGULAR ± N/A	TITLE PANEL, SIDE, LEFT, ASSY. STEAMCRAFT 10		
CK	DATE 09-01-92	DRAWING NO. B - 106043	REV. A

LET.	REVISIONS	DATE	BY
A	NEW VALVE REPLACING P/N 22218 (PICTORIAL ONLY) PER E.O. #C-2221 RI	01-28-93	PJD
B	REPLACED ONE 105786 WITH 106588. EO #C-2448RI.	11/4/93	NLT

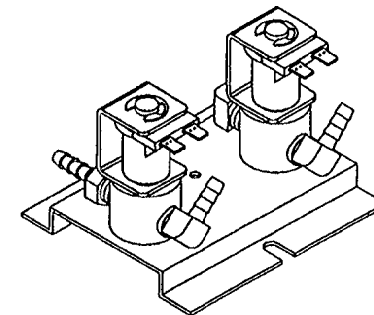
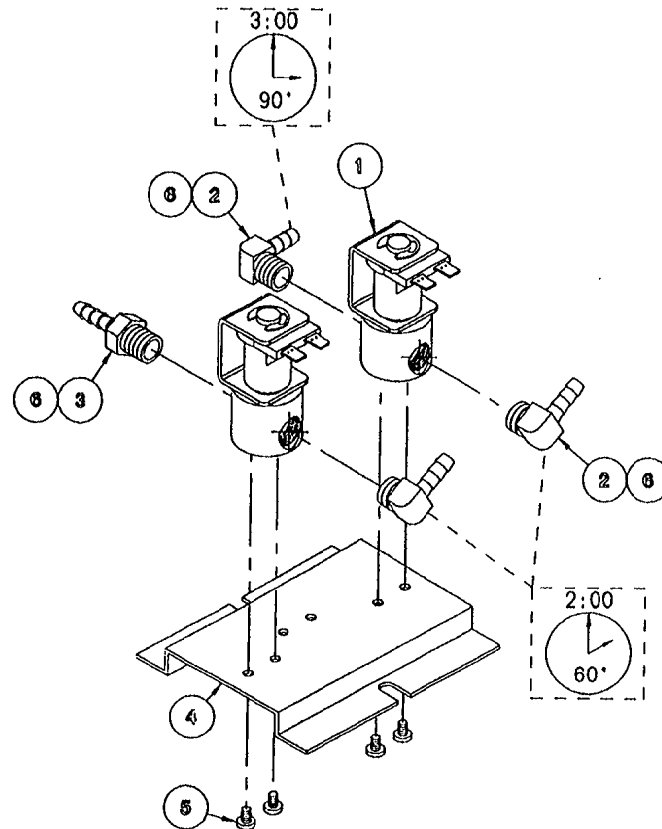


7	A/R	00934	SEALANT, RECTORSEAL
6	1	106588	FITTING, HOSE, TEE, MALE RUN 1/4"
5	4	101872	SCREW, THREAD CUTTING, #8-32 x .25
4	1	104284	BRACKET, MOUNTING, STEAM SOLENOID
3	1	104381	FITTING, HOSE BARB, 1/4 H x 1/4, ST.
2	2	105786	FITTING, HOSE BARB, 1/4 H x 1/4, 90°
1	2	22218	VALVE, SOLENOID, 1/4", N.C., 120 V
ITEM	QTY.	PART NO.	DESCRIPTION

TOLERANCES (EXCEPT AS NOTED)			
CLEVELAND RANGE INC. 1333 East 179th St. Cleveland, Ohio 44110-2574			
DECIMAL ± N/A	SCALE 1/2=1	DRAWN BY S. MILEWSKI	APPROVED BY
ANGULAR ± N/A	TITLE VALVE ASSEMBLY WATER INLET STEAMCRAFT 10		
CK	DATE 7-21-92	DRAWING NO. B - 105988	REV. B

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LET.	REVISIONS	DATE	BY
A	NEW VALVE REPLACING P/N 22218 (PICTORIAL ONLY) PER E.O. 10-2221 RI	01-28-93	PJD



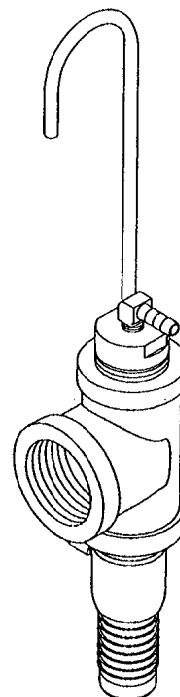
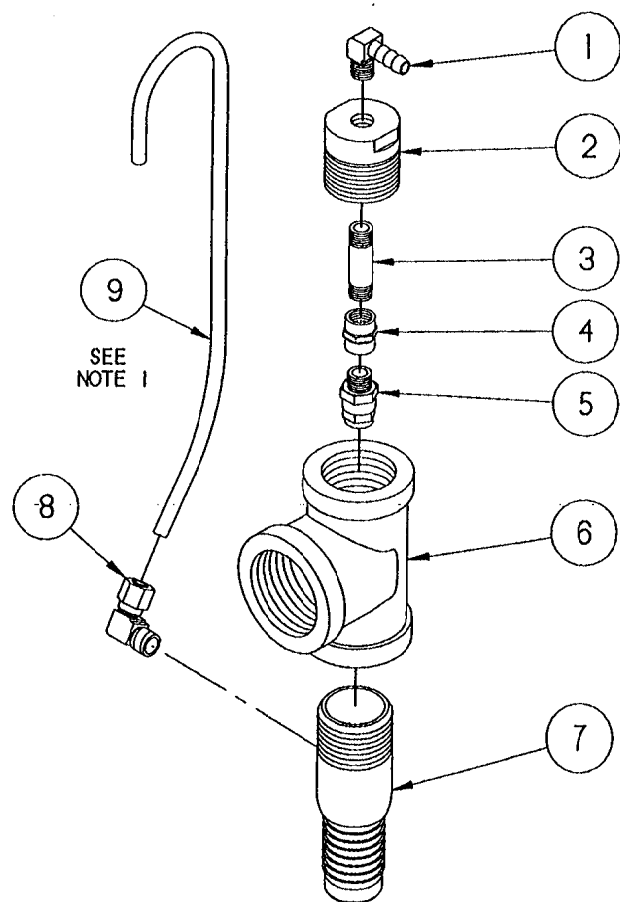
6	A/R	00934	SEALANT, RECTORSEAL
5	4	101872	SCREW, THREAD CUTTING, #8-32 x .25
4	1	104284	BRACKET, MOUNTING, STEAM SOLENOID
3	1	104381	FITTING, HOSE BARB, 1/4 H x 1/4, ST.
2	3	105786	FITTING, HOSE BARB, 1/4 H x 1/4, 90°
1	2	22218	VALVE, SOLENOID, 1/4", N.C., 120 V
ITEM	QTY.	PART NO.	DESCRIPTION

TOLERANCES (EXCEPT AS NOTED)		CLEVELAND RANGE INC. 1333 East 179th St. Cleveland, Ohio 44110-2574	
DECIMAL ± N/A	SCALE 1/2=1	DRAWN BY S. MILEWSKI	APPROVED BY
ANGULAR ± N/A	TITLE VALVE ASSEMBLY WATER INLET STEAMCRAFT 10		
CK	DATE 7-21-92	DRAWING NO. B - 105988	REV. A

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NOTE :

1.) BEND TUBE TO FIT.



ASSEMBLED UNIT

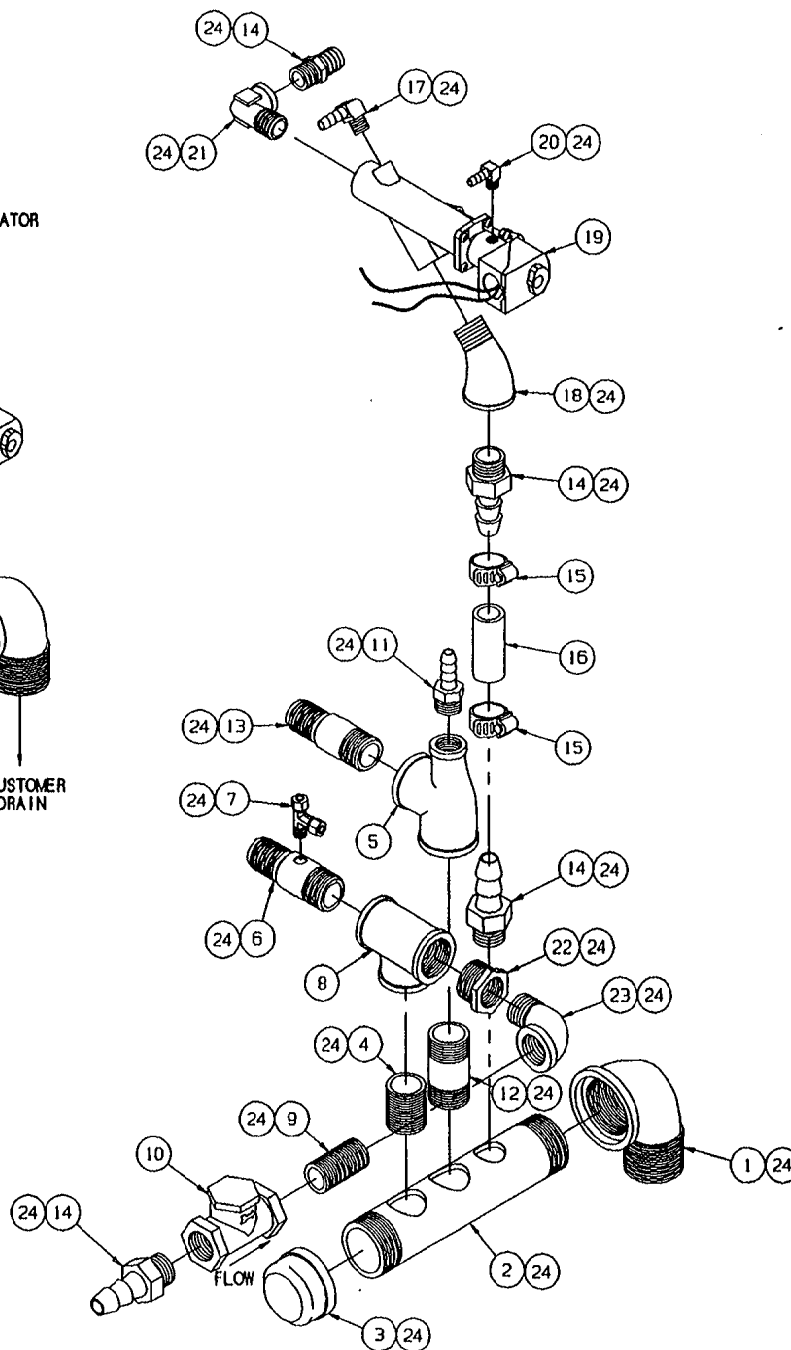
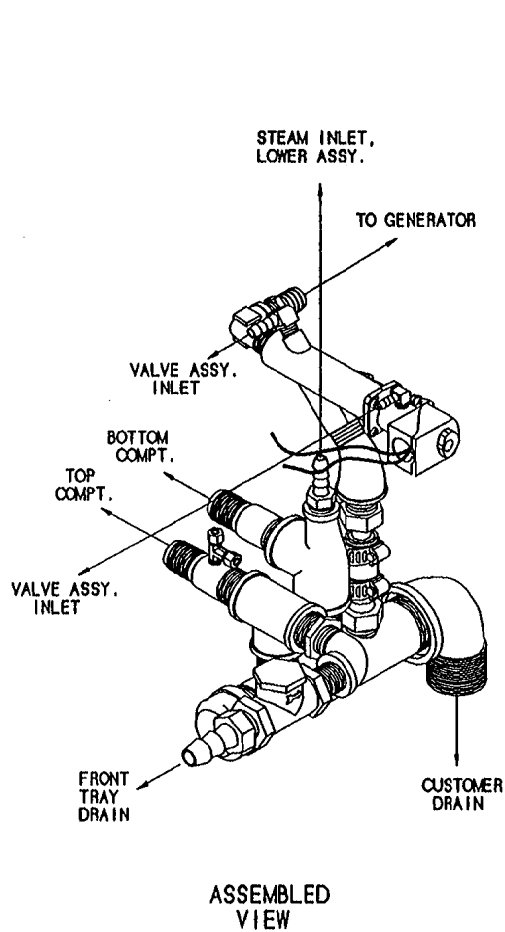
REFERENCE :
280AIU 3 OF 3

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LET.	REVISIONS	DATE	BY
A	P/N 565191 WAS 14481, P/NS 06192 & 106595 ADDED PER E.O. #C-2452	06-28-93	PJD
B	P/N 06233 WAS 06192 PER E.O. #C-2452 R1	07-02-93	PJD

9	1	106595	TUBE, COPPER, BREATHER, SC10.
8	1	06233	FITTING, HOSE 3/8 H X 1/8 MPT, 90°
7	1	565191	FITTING, HOSE 1" W/ 1/8 HOLE
6	1	105783	TEE, 1 X 1 X 1-1/4, BLACK
5	1	14555	NOZZLE, SPRAY, 1/8 FULL JET
4	1	104838	COUPLING, FULL 1/8, BRASS
3	1	14297	NIPPLE, 1/8 X 1-1/2, BRASS
2	1	06230	FITTING, COMPARTMENT DRAIN
1	1	105786	FITTING, HOSE 1/4 X 1/4 MPT X 90
ITEM	QTY.	PART NO.	DESCRIPTION

TOLERANCES (EXCEPT AS NOTED)		CLEVELAND RANGE INC. 1333 East 179th St. Cleveland, Ohio 44110-2574	
DECIMAL ± N/A	SCALE 1/2" = 1"	DRAWN BY PJD	APPROVED BY
ANGULAR ± N/A	TITLE DRAIN ASSEMBLY STEAMCRAFT 10		
CK	DATE 03-08-93	DRAWING NO. B - 1061711	REV. B

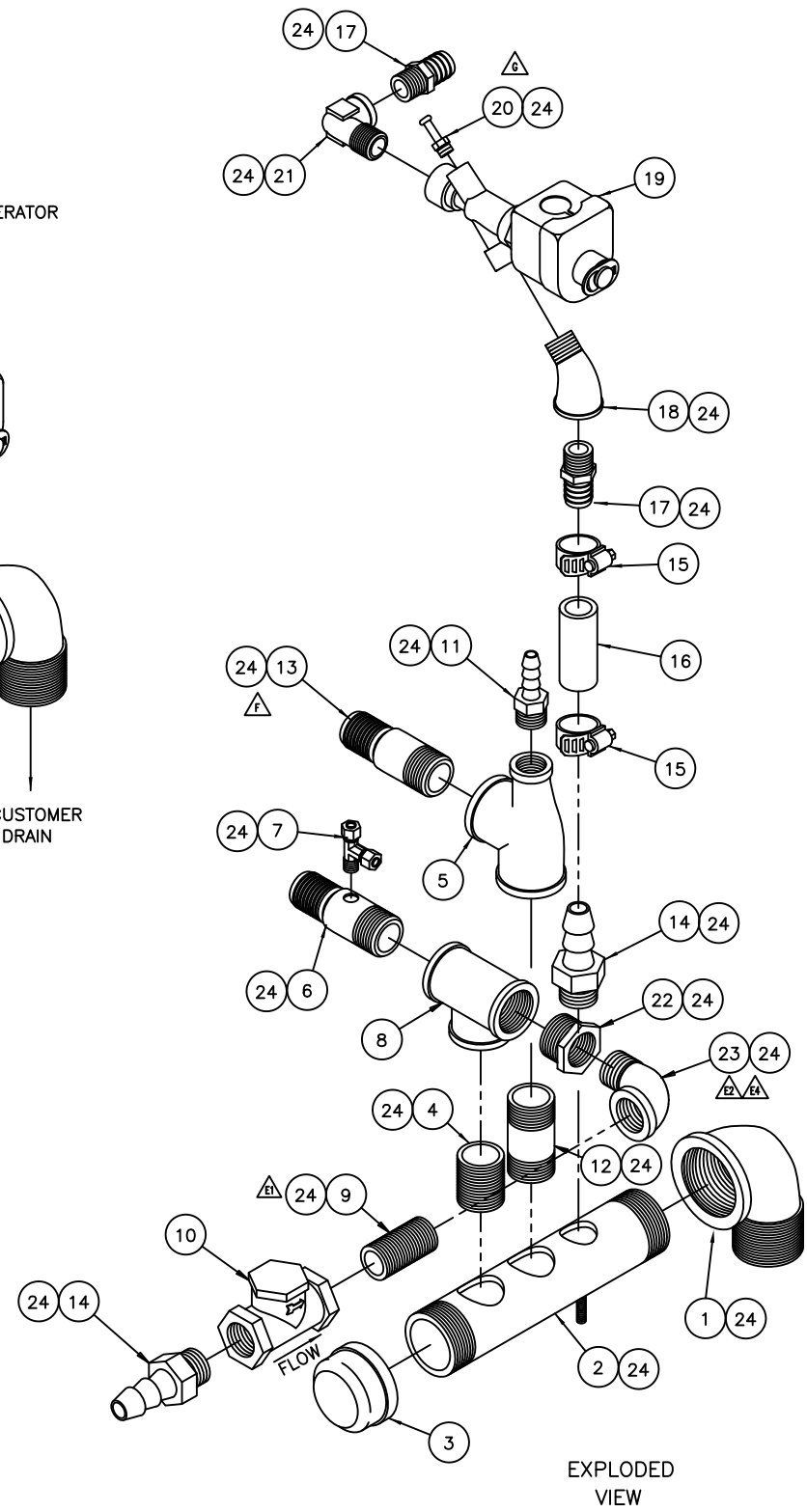
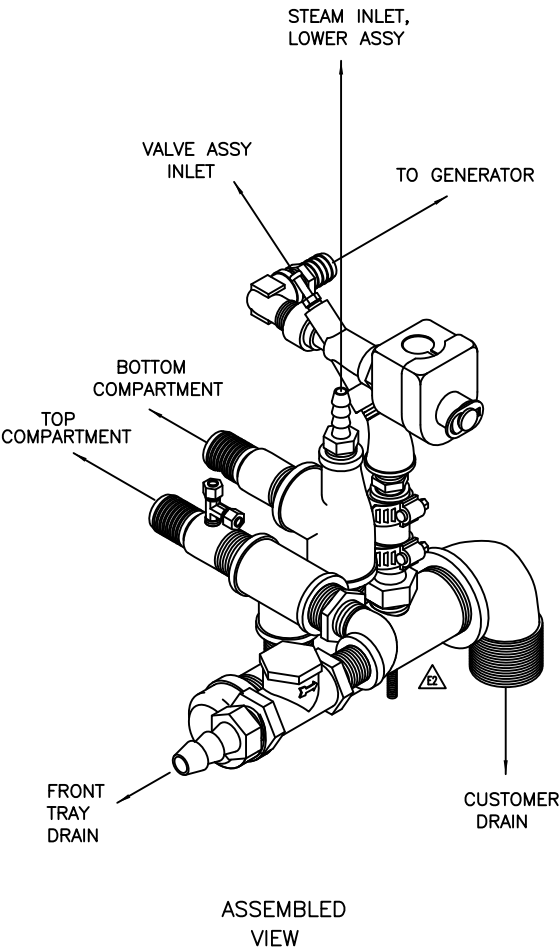


LET.	REVISIONS	DATE	BY
A	REPLACED 22221 WITH 22244 08241 (2) WITH 08240 (2) 05253 WITH 05231 05223 WITH 05237 104381 WITH 105788, ADDED 105787, EO #C-2448R1.	11/4/93	NT
B	REPLACED 14324 WITH 14343, AND 22149 WITH 22119, ADDED 20211, 08240(1), 02598, AND 05259. DELETED 100233(1), AND 08237(1), EO C-2610.	8/8/94	DD

ITEM	QTY.	PART NO.	DESCRIPTION
24	A/R	00934	SEALANT, RECTORSEAL
23	1	05259	ELBOW, STREET, 3/4", BLACK
22	1	02598	BUSHING, HEX, 1 X 3/4", BLACK
21	1	05231	ELBOW, STREET, 90°, 3/4", BRASS
20	1	105787	FITTING, HOSE BARB, 1/4H x 1/8MPT, 90°
19	1	22244	VALVE, SOLENOID, 3/4", DRAIN, PARKER
18	1	05237	ELBOW, STREET, 45°, 3/4", BLACK
17	1	105788	FITTING, HOSE BARB, 1/4H x 1/4MPT, 90°
16	1	085050250	HOSE, DARIPREEN, 3/4" ID x 2.5' LONG
15	2	03204	CLAMP, HOSE, WORM DRIVE, .812 x 1.5 DIA
14	4	08240	FITTING, HOSE BARB, 3/4 H x 3/4 MPT
13	1	14481	FITTING, HOSE BARB, 1" H x 1" MPT
12	1	14373	NIPPLE, 1" x 3, BLACK
11	1	08237	FITTING, HOSE BARB, 1/2 H x 1/2 MPT
10	1	22119	VALVE, CHECK, 3/4, BRASS
9	1	14343	NIPPLE, 3/4 x CLOSE, BRASS
8	1	20211	TEE, 1", BLACK
7	1	101394	FITTING, COMP, TEE, 1/4 T x 1/8 x 1/4 T
6	1	585191	FITTING, HOSE BARB, 1" H x 1", w/ HOLE
5	1	100223	TEE, 1" x 1/2 x 1", BLACK
4	1	14389	NIPPLE, 1" x CLOSE, BLACK
3	1	03058	CAP, PIPE, 1-1/2, BLACK
2	1	13252	MANIFOLD, DRAIN (BASE)
1	1	05292	ELBOW, STREET, 90°, 1-1/2, BLACK

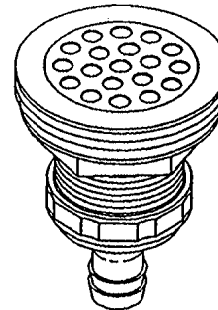
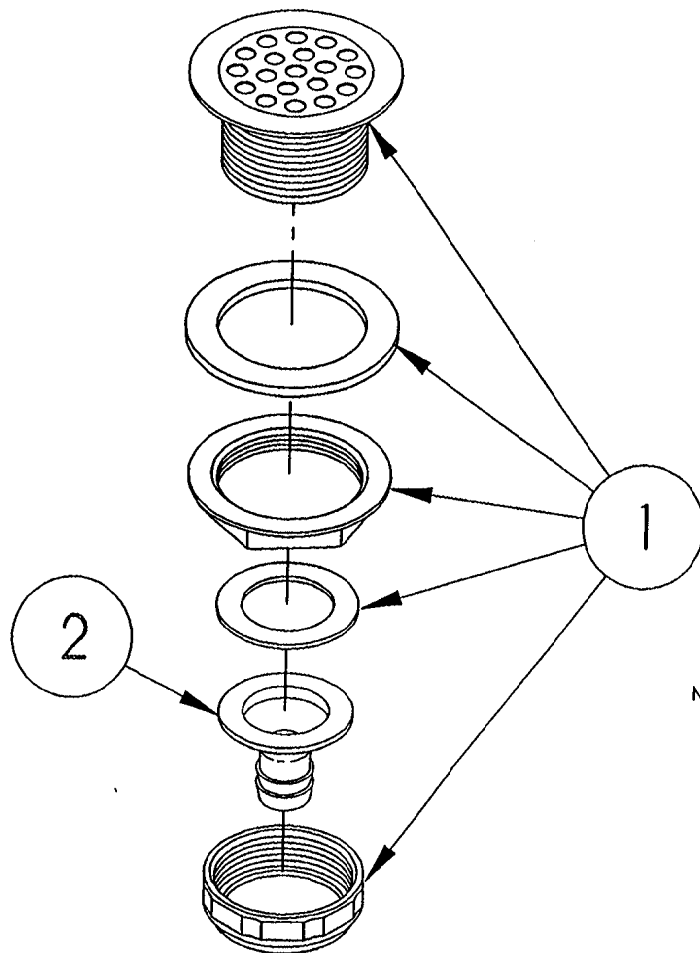
TOLERANCES (EXCEPT AS NOTED)		CLEVELAND RANGE INC. 1333 East 179th St. Cleveland, Ohio 44110-2574	
DECIMAL ± N/A	SCALE 3/8±1	DRAWN BY S. MILEWSKI	APPROVED BY
ANGULAR ± N/A	TITLE DRAIN MANIFOLD ASSEMBLY STEAMCRAFT 10, GAS		
CK	DATE 08-04-92	DRAWING NO. C - 105750	REV. B

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24	A/R	00934	SEALANT, PIPE DOPE
23	1	05259	ELBOW, STREET, 90°, 3/4, BLACK
22	1	02598	BUSHING, HEX, 1 x 3/4, BLACK
21	1	05253	ELBOW, STREET, 90°, 1/2, BRASS
20	1	109866	FITTING, HOSE BARB, RADIUS TIP, 1/4 HOSE
19	1	22221	VALVE, SOLENOID, 1/2, 15 PSI
18	1	05223	ELBOW, STREET, 45°, 1/2, BRASS
17	2	06241	FITTING, HOSE BARB, 3/4 H x 1/2 MPT
16	1	085110250	HOSE, DARIPREEN, 3/4 ID x 2.500 LG
15	2	03204	CLAMP, HOSE, WORM DRIVE, 0.812 TO Ø1.500
14	2	06240	FITTING, HOSE BARB, 3/4 H x 3/4 MPT
13	1	14481	FITTING, HOSE BARB, 1 H x 1 MPT
12	1	14373	NIPPLE, 1 x 3, BLACK
11	1	06237	FITTING, HOSE BARB, 1/2 x 1/2 MPT
10	1	22119	VALVE, CHECK, 3/4, BRASS
9	1	14343	NIPPLE, 3/4 x CLOSE, BRASS
8	1	20211	TEE, 1, BLACK
7	1	101394	FITTING, COMP, TEE, 1/4 T x 18 x 14 T
6	1	565191	FITTING, HOSE BARB, 1 H x 1, W/HOLE
5	1	100223	TEE, 1 x 1/2 x 1, BLACK
4	1	14369	NIPPLE, 1 x CLOSE, BLACK
3	1	03058	CAP, PIPE, 1-1/2, BLACK
2	1	132521	MANIFOLD ASS'Y, DRAIN (STUD LOCATION)
1	1	05292	ELBOW, STREET, 90°, 1-1/2, BLACK

NOTE:
 REMOVE AND DISCARD PLASTIC TAIL PIECE;
 REPLACE WITH ITEM 2

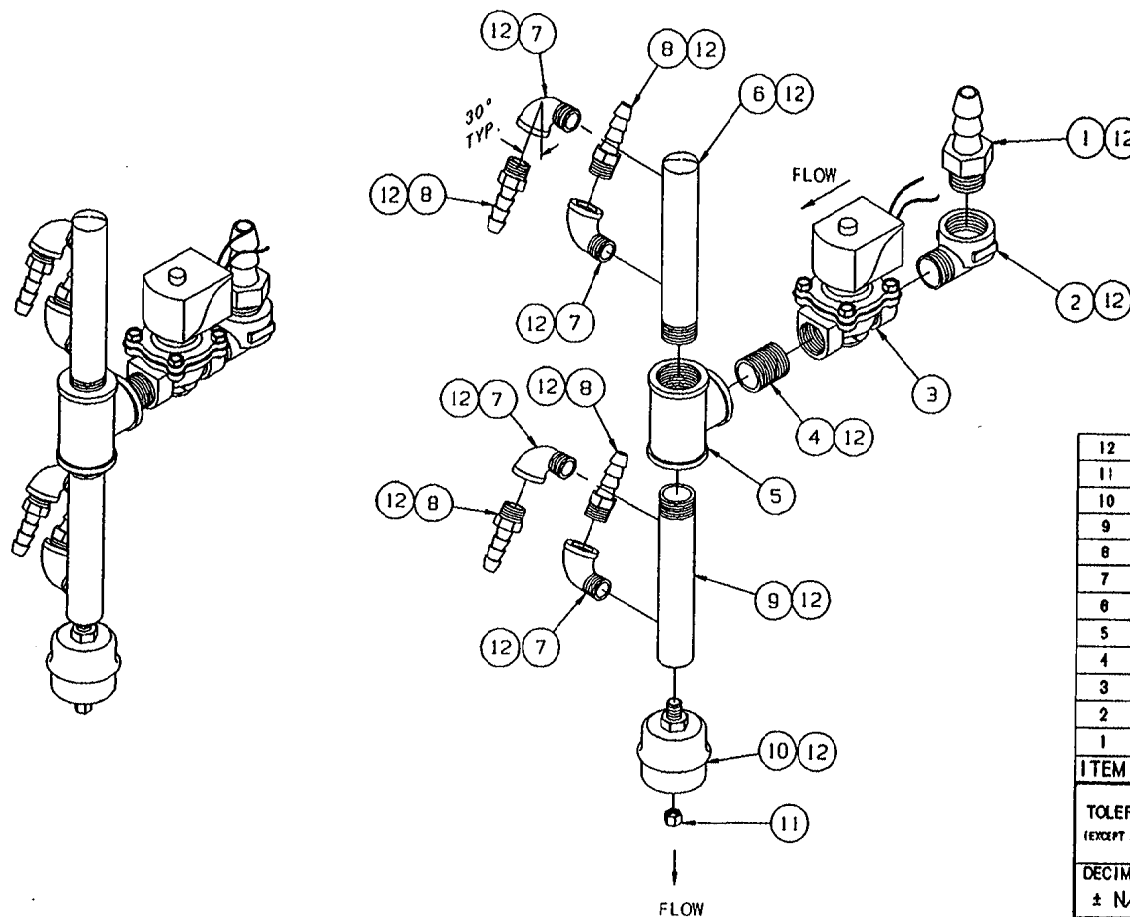


SEE
 NOTE

2	1	106736	TAIL PIECE, DRAIN	
1	1	105280	DRAIN, FITTING HOSE ADAPTER	
ITEM	QTY.	PART NO	DESCRIPTION	
TOLERANCES (EXCEPT AS NOTED)		CLEVELAND RANGE INC. 1333 East 179th St. Cleveland, Ohio 44110-2574		
DECIMAL ± N/A	SCALE 1/2"	DRAWN BY ATHERTON	APPROVED BY	
ANGULAR ± N/A	TITLE DRAIN ASSEMBLY TABLETOPS AND STEAMCRAFT 10			
CK	DATE 01-06-92	DRAWING NO. A-106737		REV. -

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LET.	REVISIONS	DATE	BY
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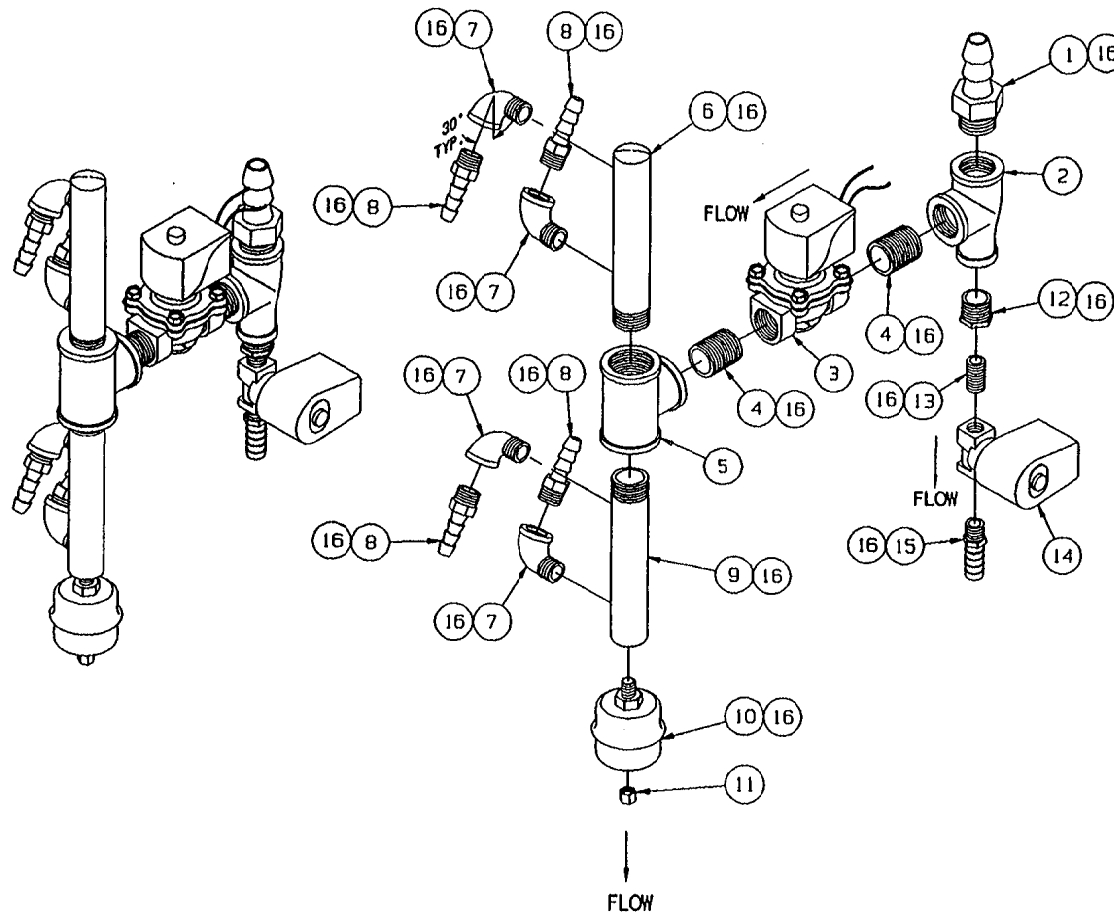


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ITEM	QTY.	PART NO.	DESCRIPTION
12	A/R	00934	SEALANT, RECTORSEAL
11	1	14661	NUT, COMPRESSION, 1/4 TUBE
10	1	101207	TRAP, THERMOSTATIC, 1/4 NPT
9	1	133012	MANIFOLD, STEAM INLET, 1/4 NPT HOLE
8	4	100746	FITTING, HOSE BARB, 1/2 H x 3/8 MPT
7	4	05280	ELBOW, STREET, 90°, 3/8, BRASS
6	1	133011	MANIFOLD, STEAM INLET, CLOSED
5	1	20206	TEE, 3/4, BRASS
4	1	14342	NIPPLE, 3/4 x CLOSE, BRASS
3	1	105965	VALVE, SOLENOID, 3/4 NPT, 0-4 PSI
2	1	05231	ELBOW, STREET, 90°, 3/4, BRASS
1	1	06240	FITTING, HOSE BARB, 3/4 H x 3/4 MPT

TOLERANCES (EXCEPT AS NOTED)		CLEVELAND RANGE INC. 1333 East 179th St. Cleveland, Ohio 44110-2574	
DECIMAL ± N/A	SCALE 5/16=1	DRAWN BY S. MILEWSKI	APPROVED BY
ANGULAR ± 1°	TITLE STEAM INLET ASSEMBLY UPPER COMPARTMENT STEAMCRAFT 10, GAS		
CK	DATE 6-3-92	DRAWING NO. B - 105880	REV. -

LET.	REVISIONS	DATE	BY
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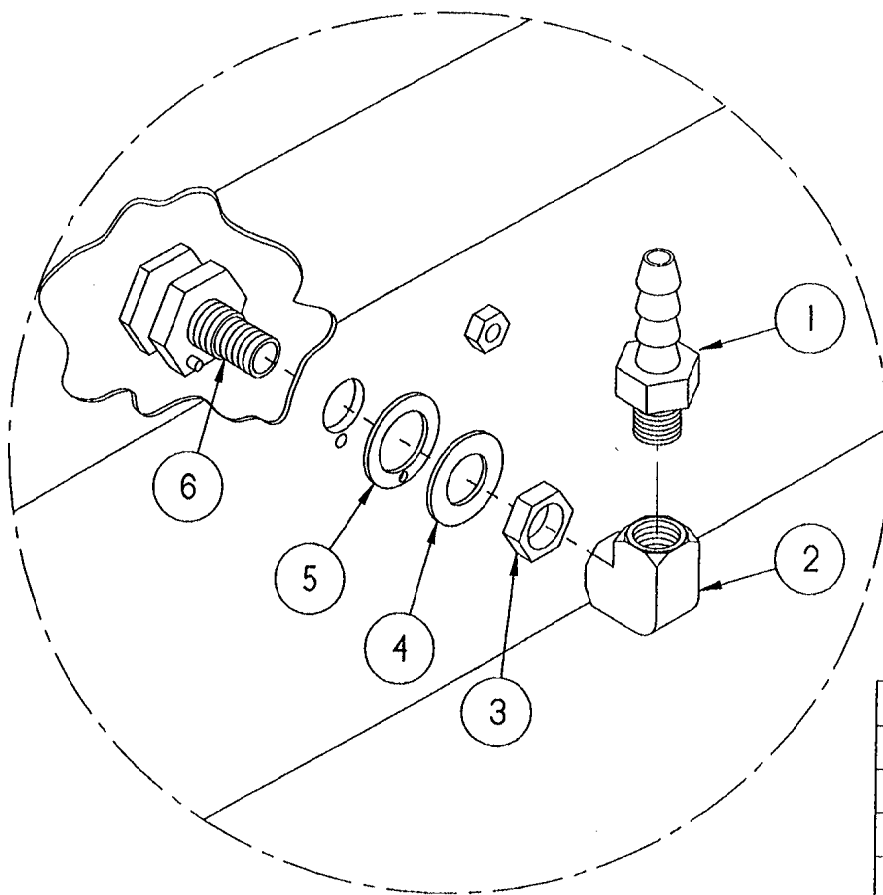


ITEM	QTY.	PART NO.	DESCRIPTION
16	A/R	00934	SEALANT, RECTORSEAL
15	1	104048	FITTING, HOSE BARB, 1/2 H x 1/4 MPT
14	1	22199	VALVE, SOLENOID, STEAM, NORM. OPEN
13	1	14304	NIPPLE, 1/4 x CLOSE, BRASS
12	1	02623	BUSHING, HEX, 1/2 x 1/4, BRASS
11	1	14661	NUT, COMPRESSION, 1/4 TUBE
10	1	101207	TRAP, THERMOSTATIC, 1/4 NPT
9	1	133012	MANIFOLD, STEAM INLET, 1/4 NPT HOLE
8	4	100746	FITTING, HOSE BARB, 1/2 H x 3/8 MPT
7	4	05280	ELBOW, STREET, 90°, 3/8, BRASS
6	1	133011	MANIFOLD, STEAM INLET, CLOSED
5	1	20208	TEE, 3/4, BRASS
4	2	14342	NIPPLE, 3/4 x CLOSE, BRASS
3	1	105985	VALVE, SOLENOID, 3/4 NPT, 0-4 PSI
2	1	20208	TEE, 3/4 x 1/2 x 3/4, BRASS
1	1	08240	FITTING, HOSE BARB, 3/4 H x 3/4 MPT

TOLERANCES (EXCEPT AS NOTED)		CLEVELAND RANGE INC. 1333 East 179th St. Cleveland, Ohio 44110-2574	
DECIMAL ± N/A	SCALE 5/16=1	DRAWN BY S. MILEWSKI	APPROVED BY
ANGULAR ± 1°	TITLE STEAM INLET ASSEMBLY LOWER COMPARTMENT STEAMCRAFT 10, GAS		
CK	DATE 6-3-92	DRAWING NO. B - 105881	REV. -

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LET.	REVISIONS	DATE	BY
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TYPICAL APPLICATION

6	1	104009	FITTING, ASSY, STEAM SUPPLY
5	1	104082	GASKET, STEAM INJECTOR
4	1	104232	WASHER, FLAT S/S
3	1	104081	NUT, JAM 5/8-18, BRASS
2	1	05236	ELBOW, 1/4" X 90°, BRASS
1	1	104048	FITTING, HOSE 1/2 H X 1/4 MPT
ITEM	QTY.	PART NO.	DESCRIPTION

TOLERANCES
(EXCEPT AS NOTED)

DECIMAL
± .030

ANGULAR
± 1°

CK

CLEVELAND RANGE INC.

1333 East 179th St. Cleveland, Ohio 44110-2574

SCALE
1/2"

DRAWN BY
DUTCHMAN

APPROVED BY
THOMPSON

TITLE
SPRAY NOZZLE ASSEMBLY
STEAMCRAFT 3.1, 5.1 AND 10

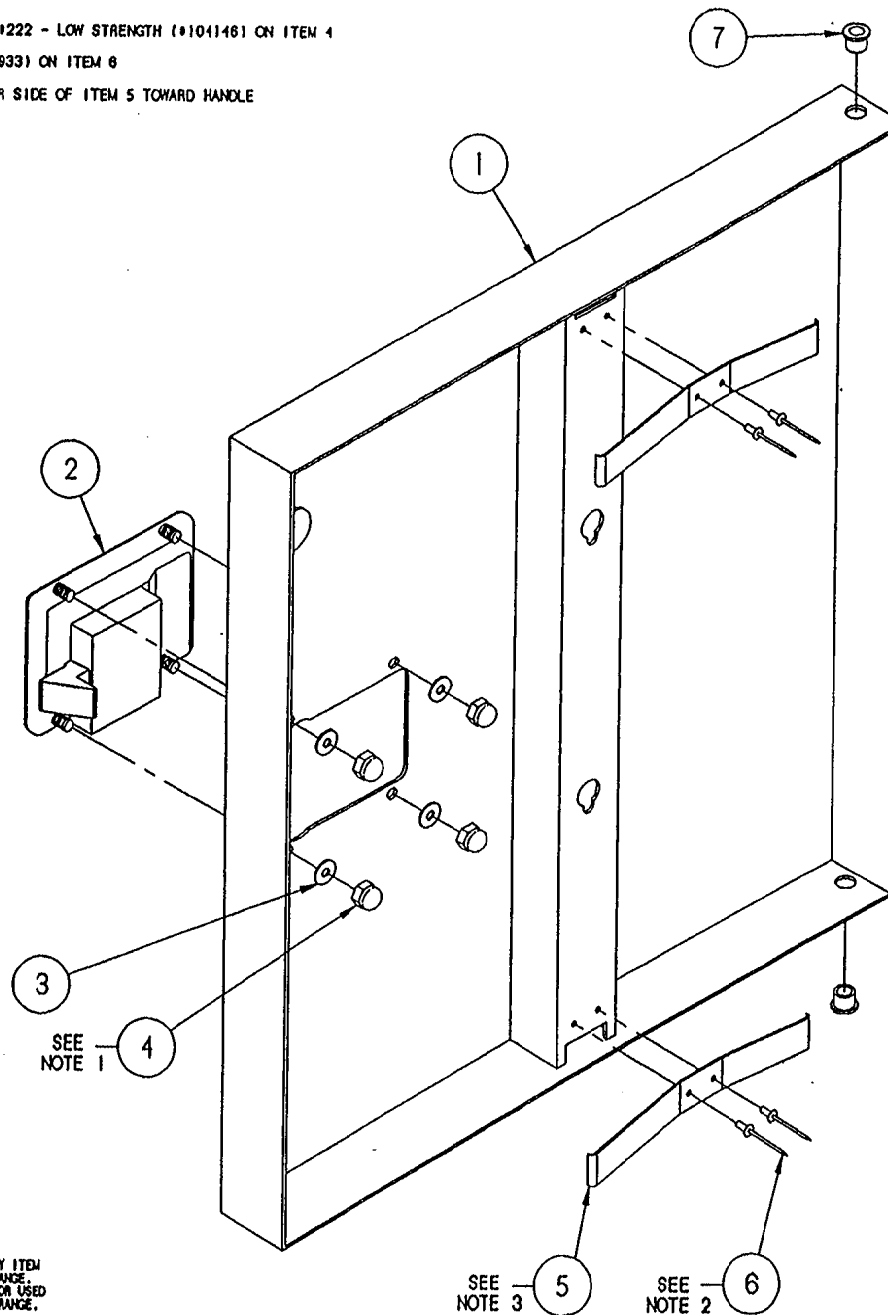
DATE
02-12-93

DRAWING NO.
A - 1062301

REV.
-

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- NOTES : 1.) USE LOCTITE 1222 - LOW STRENGTH (#104146) ON ITEM 4
 2.) USE RTV (#00933) ON ITEM 6
 3.) ORIENT LONGER SIDE OF ITEM 5 TOWARD HANDLE



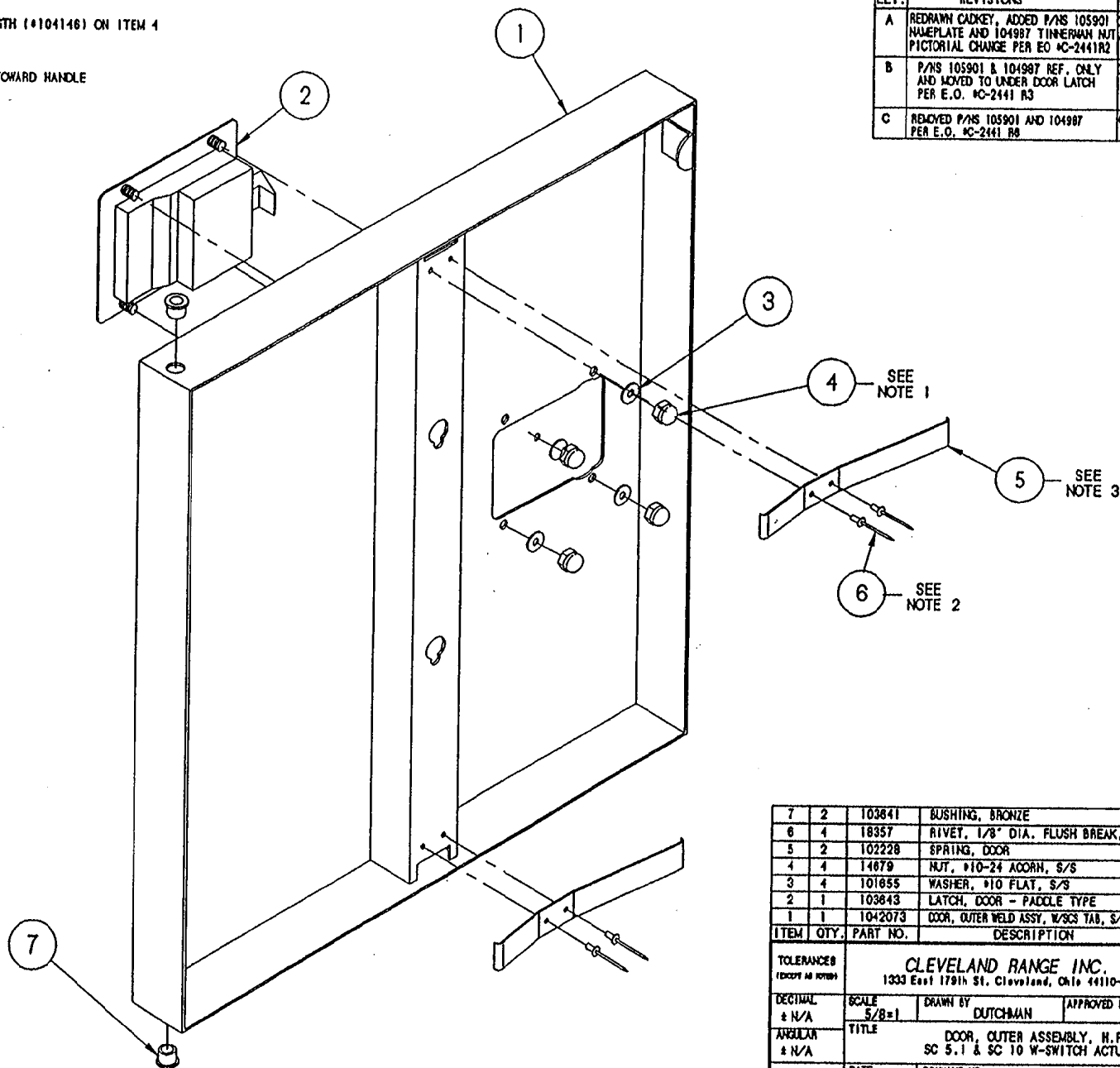
LET.	REVISIONS	DATE	BY
A	REDRAWN CADKEY, ADDED P/N'S 105901 NUTPLATE AND 104987 TINNERMAN RJT, PICTORIAL CHANGE PER EO 10-2441R2	08-30-93	P.O.
B	P/N'S 105901 & 104987 REF. ONLY PER E.O. 10-2441 R3	08-05-93	P.O.
C	REMOVED P/N'S 105901 AND 104987 PER E.O. 10-2441 R6	08-07-93	P.O.

7	2	103841	BUSHING, BRONZE
6	4	18357	RIVET, 1/8" DIA. FLUSH BREAK, S/S
5	2	102228	SPRING, DOOR
4	4	14879	NUT, #10-24 ACORN, S/S
3	4	101855	WASHER, #10 FLAT, S/S
2	1	103843	LATCH, DOOR - PADDLE TYPE
1	1	1042072	DOOR, OUTER WELD ASSY, W/SCS TAB, S/C S.I., H.L.
ITEM	QTY.	PART NO.	DESCRIPTION
TOLERANCES (EXCEPT AS NOTED)			
CLEVELAND RANGE INC. 1333 East 179th St. Cleveland, Ohio 44110-2574			
DECIMAL ± N/A	SCALE 5/8=1	DRAWN BY JTW	APPROVED BY
ANGULAR ± N/A	TITLE DOOR, OUTER ASSEMBLY, H.L. SC 5.1 & SC 10 W-SWITCH ACTUATOR		
CK	DATE 02-04-93	DRAWING NO. C - 1042062	REV. C

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NOTES:

- 1.) USE LOCKTITE #222 - LOW STRENGTH (#104146) ON ITEM 4
- 2.) USE RTV (#00933) ON ITEM 6
- 3.) ORIENT LONGER SIDE OF ITEM 5 TOWARD HANDLE

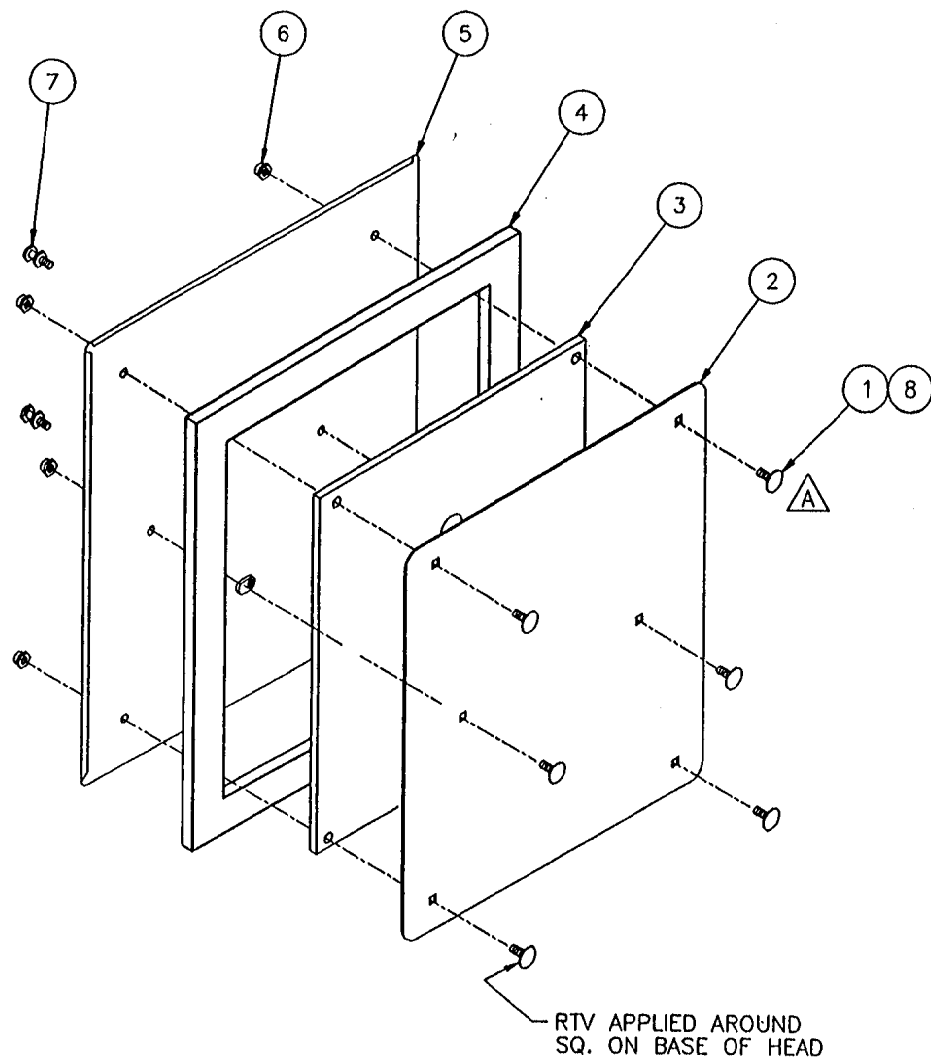


LET.	REVISIONS	DATE	BY
A	REDRAWN CADKEY, ADDED P/N'S 105901 NAMEPLATE AND 104987 TINNERMAN NUT. PICTORIAL CHANGE PER EO #C-2441R2	08-28-93	PJD
B	P/N'S 105901 & 104987 REF. ONLY AND MOVED TO UNDER DOOR LATCH PER E.O. #C-2441 R3	08-05-93	PJD
C	REMOVED P/N'S 105901 AND 104987 PER E.O. #C-2441 R8	08-07-94	PJD

7	2	103841	BUSHING, BRONZE
6	4	18357	RIVET, 1/8" DIA. FLUSH BREAK, S/S
5	2	102228	SPRING, DOOR
4	4	14679	NUT, #10-24 ACORN, S/S
3	4	101655	WASHER, #10 FLAT, S/S
2	1	103843	LATCH, DOOR - PADLOCK TYPE
1	1	1042073	DOOR, OUTER WELD ASSY, W/SCS TAB, S/C S.I., H.R.
ITEM	QTY.	PART NO.	DESCRIPTION

TOLERANCES (EXCEPT AS NOTED)			
CLEVELAND RANGE INC. 1333 East 179th St., Cleveland, Ohio 44110-2574			
DECIMAL ± N/A	SCALE 5/8±1	DRAWN BY DUTCHMAN	APPROVED BY
ANGULAR ± N/A	TITLE DOOR, OUTER ASSEMBLY, H.R. SC 5.1 & SC 10 W-SWITCH ACTUATOR		
CK	DATE 08-30-93	DRAWING NO. C - 1042063	REV. C

THIS DESIGN DESCRIBES A PROPRIETARY ITEM AND IS THE PROPERTY OF CLEVELAND RANGE. THIS DRAWING IS NOT TO BE COPIED OR USED WITHOUT THE APPROVAL OF CLEVELAND RANGE.



LET.	REVISIONS	DATE	BY
A	ADDED ITEMS 1 & 8, ITEM 2 WAS 104205	6/25/91	JPB

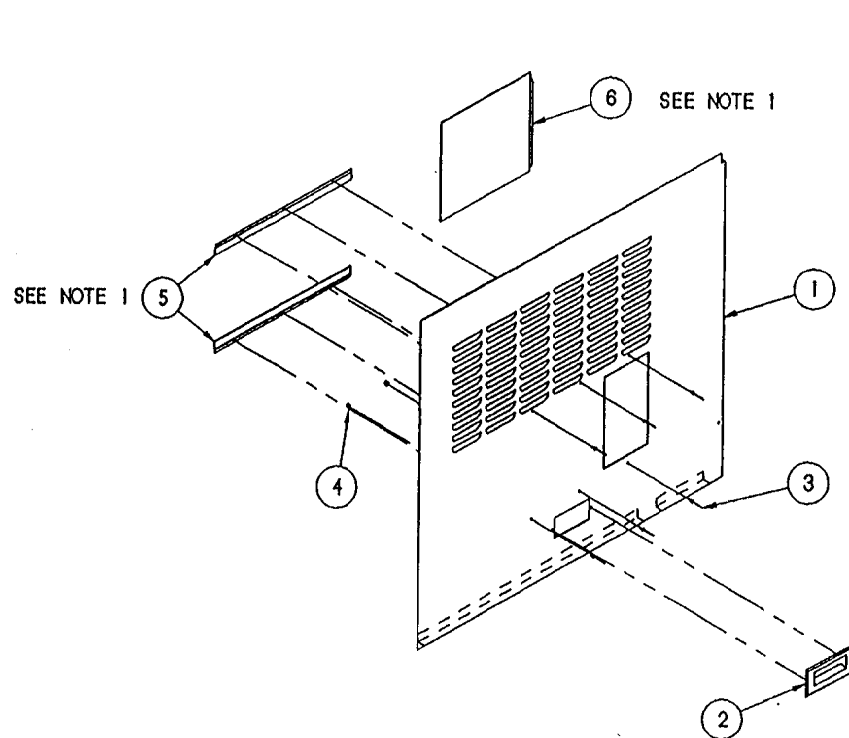
8	A/R	00932	SEALANT, CLEAR RTV
7	2	66508	STUD, DOOR MOUNTING, INNER
6	6	14665	NUT, HEX LOCK, 1/4-20 S/S
5	1	104204	DOOR WELDMENT, INNER, S/C 5.1
4	1	104026	GASKET, DOOR S/C 5.1
3	1	104022	PLATE, INNER GASKET RETAINER, S/C 5.1
2	1	104021	PLATE, GASKET RETAINER, S/C 5.1
1	6	104719	BOLT, CARRIAGE 1/4-20 X 1.000"
ITEM	QTY	PART NO.	DESCRIPTION
TOLERANCES (EXCEPT AS NOTED)			CLEVELAND RANGE INC. 1333 East 179th St. Cleveland, Ohio 44110-2574
DECIMAL $\pm$ -	SCALE NONE	DRAWN BY JPB	APPROVED BY
ANGULAR $\pm 1^\circ$	TITLE DOOR, INNER ASSY. STEAMCRAFT 5.1		
AC	DATE 6/25/91	DRAWING NO. B- 104202	REV A

THIS DESIGN DESCRIBE
THIS DRAWING IS NOT

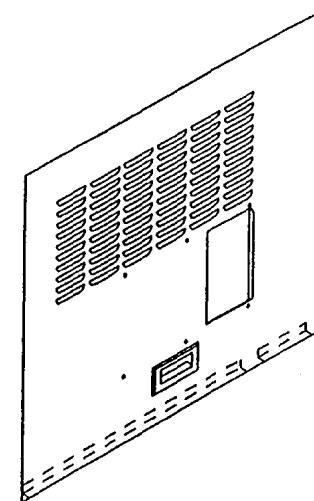
PROPRIETARY ITEM AND IS THE PROPERTY OF CLEVELAND RANGE.
COPIED OR USED WITHOUT THE APPROVAL OF CLEVELAND RANGE

NOTES:

- 1) FIRST ATTACH BOTTOM ANGLE (P/N 106844)
NEXT ASSEMBLE DOOR (P/N 106845) INTO PLACE
THEN ATTACH TOP ANGLE ON TO SIDE PANEL



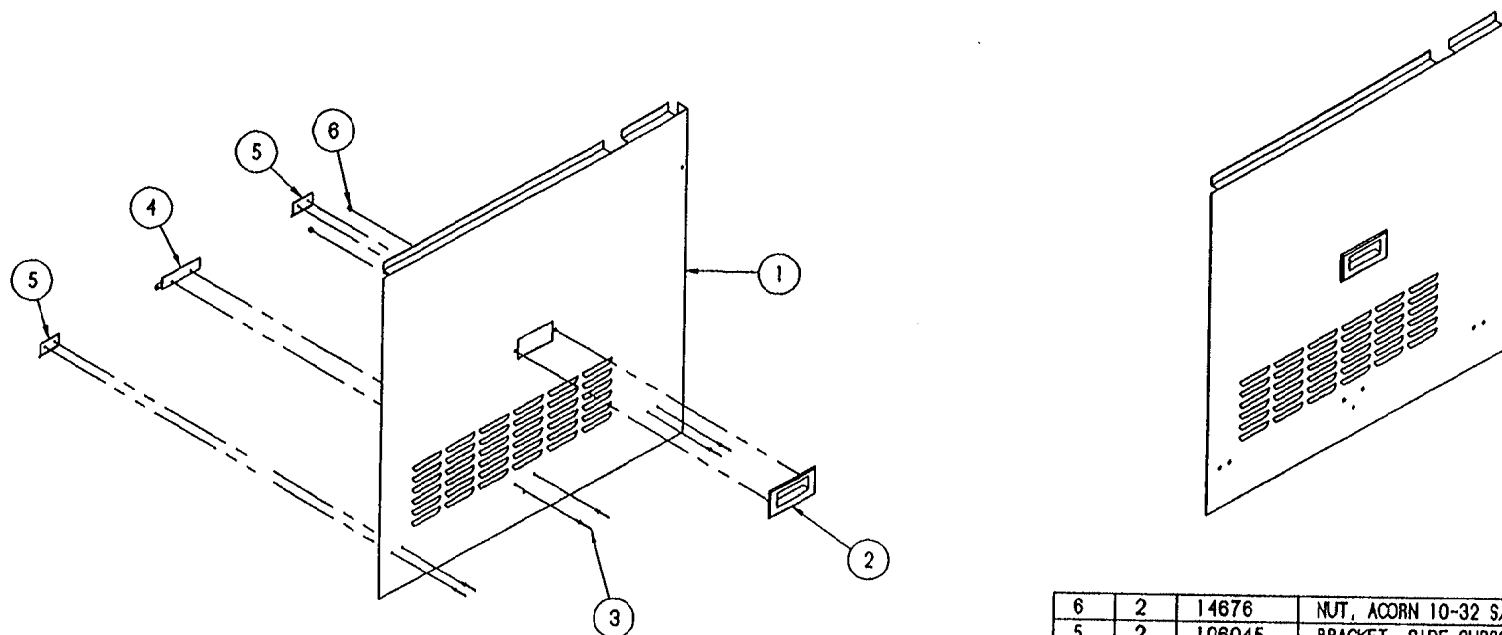
LET.	REVISIONS	DATE	BY
-	NEW RELEASE PER E.O. C-2769	12-12-94	PJD



ITEM	QTY.	PART NO.	DESCRIPTION
6	1	106845	DOOR, PANEL, RIGHT, SC 10
5	2	106844	ANGLE, SCOR, PANEL, SC 10
4	2	14676	NUT, ACORN 10-32 S/S
3	6	18357	RIVET, FLUSH, 1/8" S/S
2	1	08108	HANDLE, DOOR, S/S
1	1	107119	PANEL, SIDE, RIGHT, TOP HALF
TOLERANCES (EXCEPT AS NOTED)			
CLEVELAND RANGE INC.			
1333 East 179th St. Cleveland, Ohio 44110-2574			
DECIMAL ± N/A	SCALE 1/8" = 1	DRAWN BY DUTCHMAN	APPROVED BY
ANGULAR ± N/A	TITLE PANEL ASSY., RIGHT SIDE TOP HALF, S/C 10 PRESSURE		
CK	DATE 12-12-94	DRAWING NO. B - 107271	REV. -

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LET.	REVISIONS	DATE	BY
-	NEW RELEASE PER E.O. C-2769	12-12-94	PJD

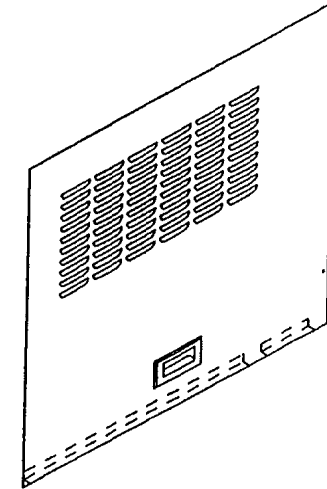
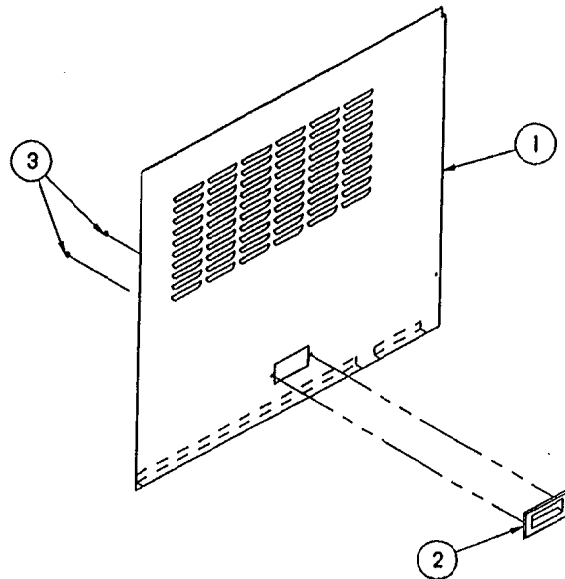


6	2	14676	NUT, ACORN 10-32 S/S
5	2	108045	BRACKET, SIDE SUPPORT, SHORT
4	1	108044	BRACKET, SIDE SUPPORT, LONG
3	6	18357	RIVET, FLUSH, 1/8" S/S
2	1	08108	HANDLE, DOOR, S/S
1	1	1071201	PANEL, SIDE, RIGHT, BTM. HALF
ITEM	QTY.	PART NO.	DESCRIPTION

TOLERANCES (EXCEPT AS NOTED)		CLEVELAND RANGE INC. 1333 East 179th St. Cleveland, Ohio 44110-2574	
DECIMAL ± N/A	SCALE 1/8" = 1"	DRAWN BY DUTCHMAN	APPROVED BY
ANGULAR ± N/A	TITLE PANEL ASSY., RIGHT SIDE BOTTOM HALF, S/C 10		
CK	DATE 12-12-94	DRAWING NO. B - 107272	REV. -

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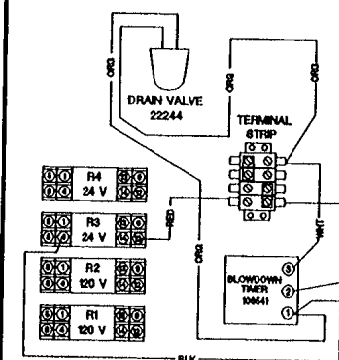
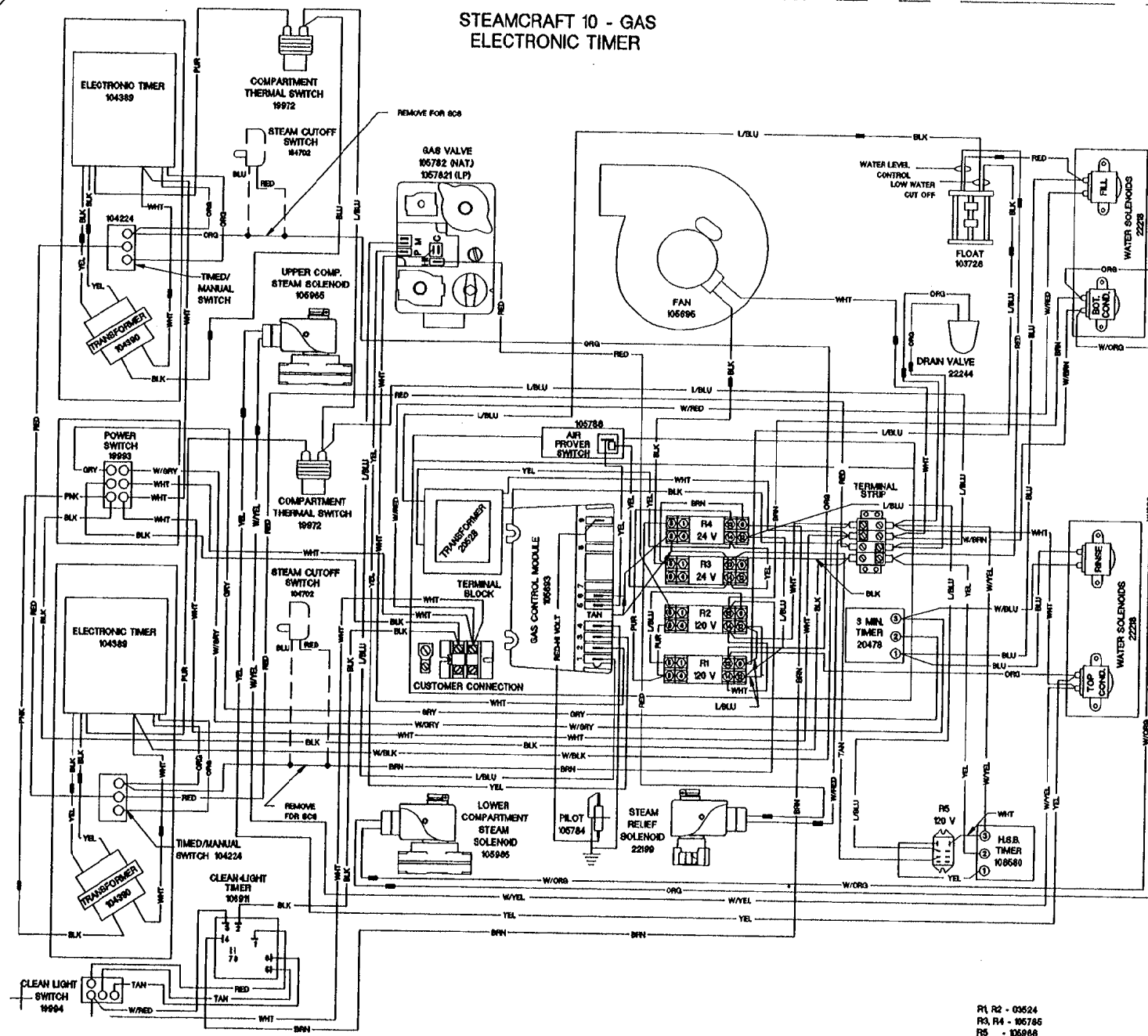
LET.	REVISIONS	DATE	BY
-	NEW RELEASE PER E.O. C-2769	12-12-94	PJD



3	2	14676	NUT, ACORN 10-32 S/S
2	1	08108	HANDLE, DOOR, S/S
1	1	107121	PANEL, SIDE, RIGHT, TOP HALF
ITEM	QTY.	PART NO.	DESCRIPTION
TOLERANCES (EXCEPT AS NOTED)			
CLEVELAND RANGE INC. 1333 East 179th St. Cleveland, Ohio 44110-2574			
DECIMAL ± N/A	SCALE 1/8" = 1"	DRAWN BY DUTCHMAN	APPROVED BY
ANGULAR ± N/A	TITLE PANEL ASSY., RIGHT SIDE TOP HALF, S/C 10 ULTRA & D.C.		
CK	DATE 12-12-94	DRAWING NO. B - 107273	REV. -

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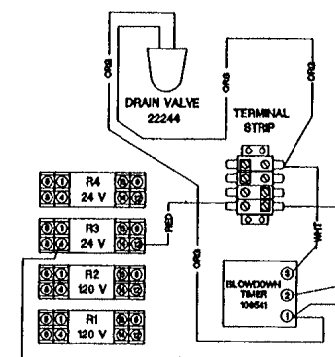
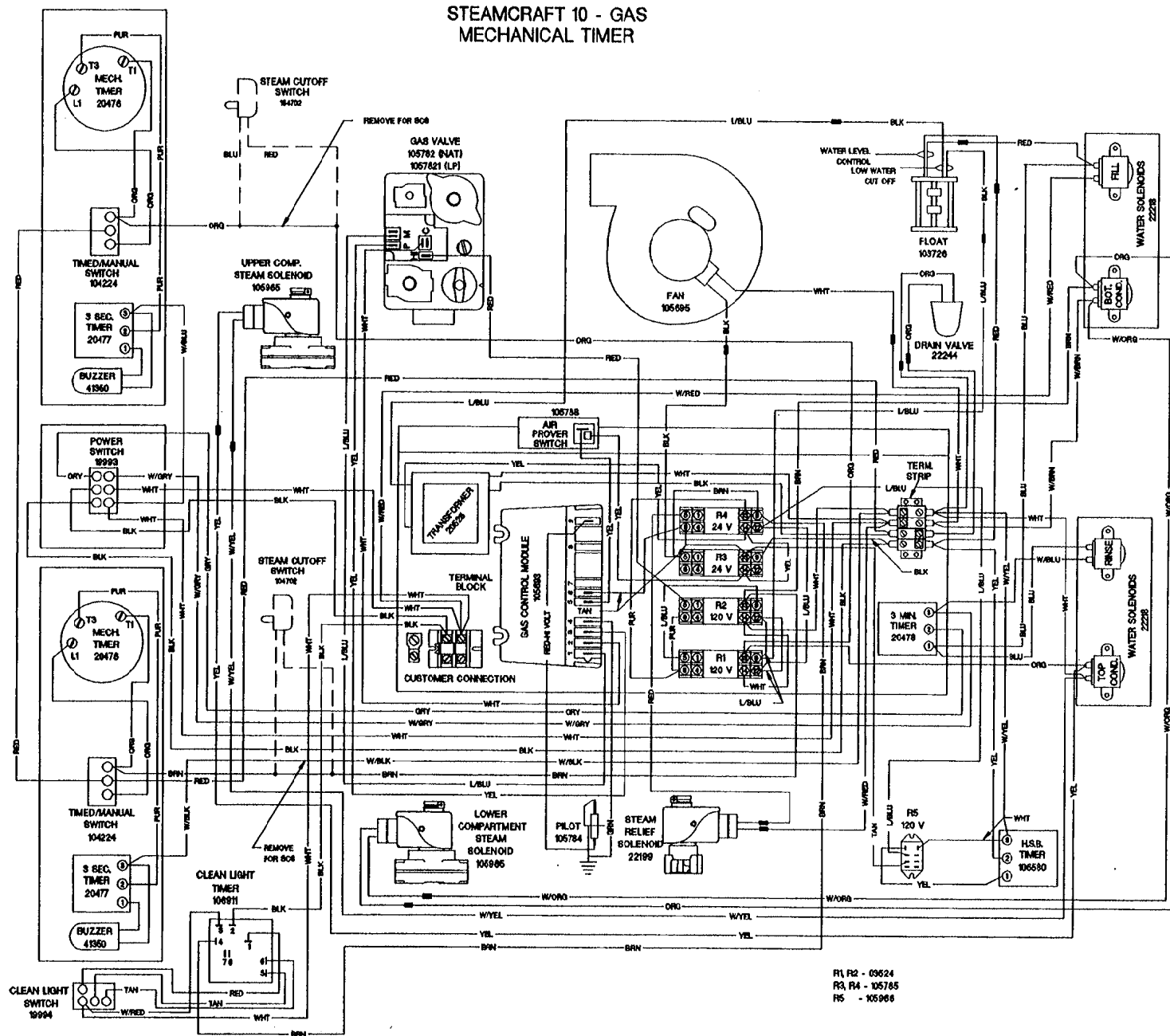
STEAMCRAFT 10 - GAS ELECTRONIC TIMER



**INTERMITTENT BLOWDOWN
(OPTIONAL)**

R1, R2 - 03524
R3, R4 - 105785
R5 - 105966

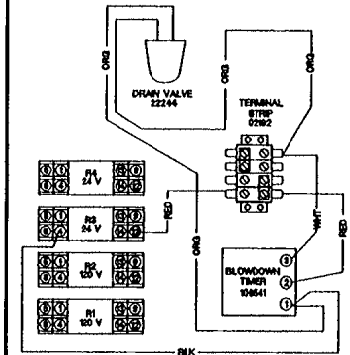
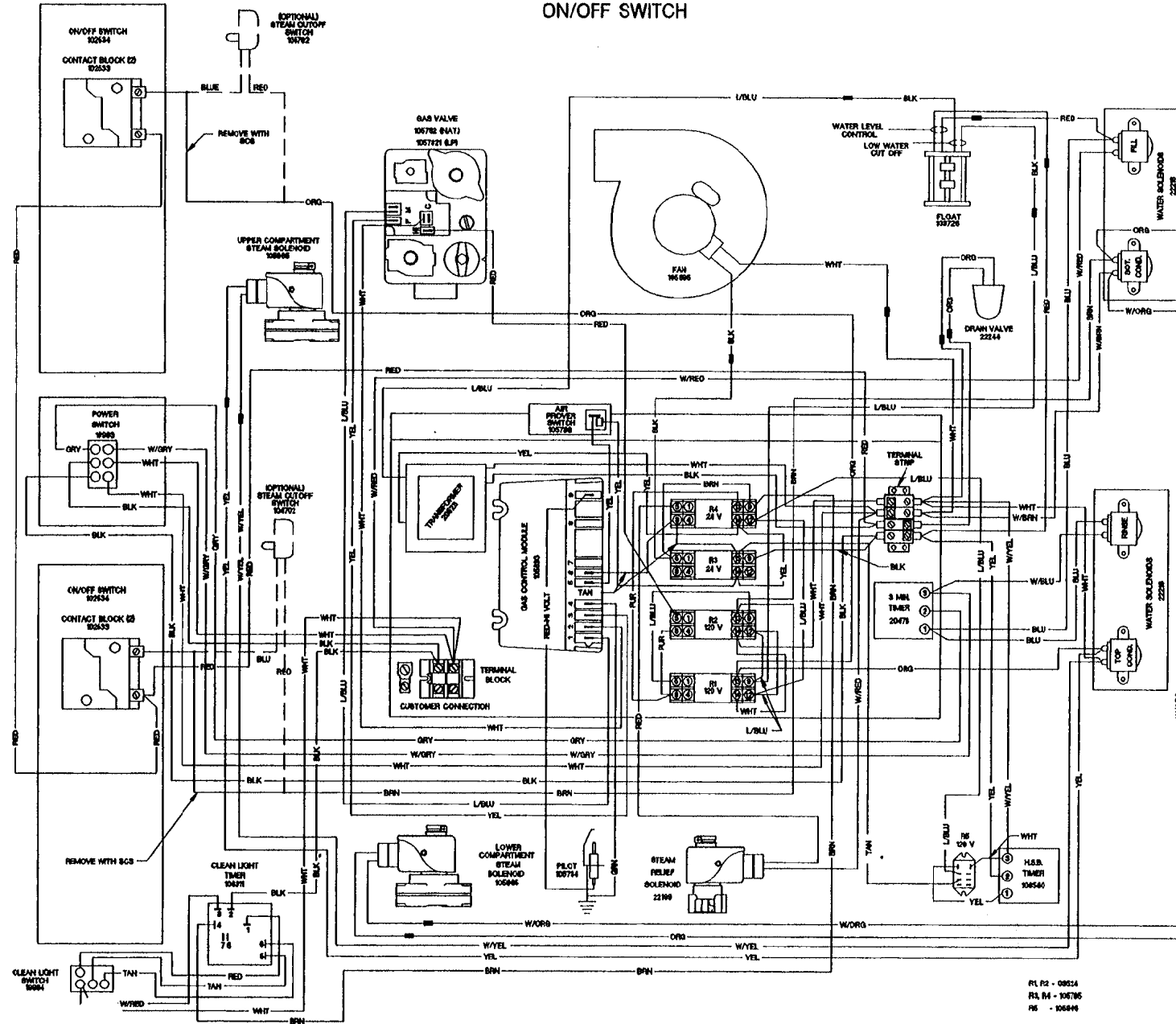
STEAMCRAFT 10 - GAS MECHANICAL TIMER



INTERMITTENT BLOWDOWN
(OPTIONAL)

R1, R2 - 03524
R3, R4 - 105785
R5 - 105966

STEAMCRAFT 10 - GAS ON/OFF SWITCH



INTERMITTENT BLOWDOWN (OPTIONAL)

RL P2 - 08024
R3, R4 - 10678
R6 - 10680

CLEVELAND RANGE 24CGA10

SEQUENCE OF OPERATIONS

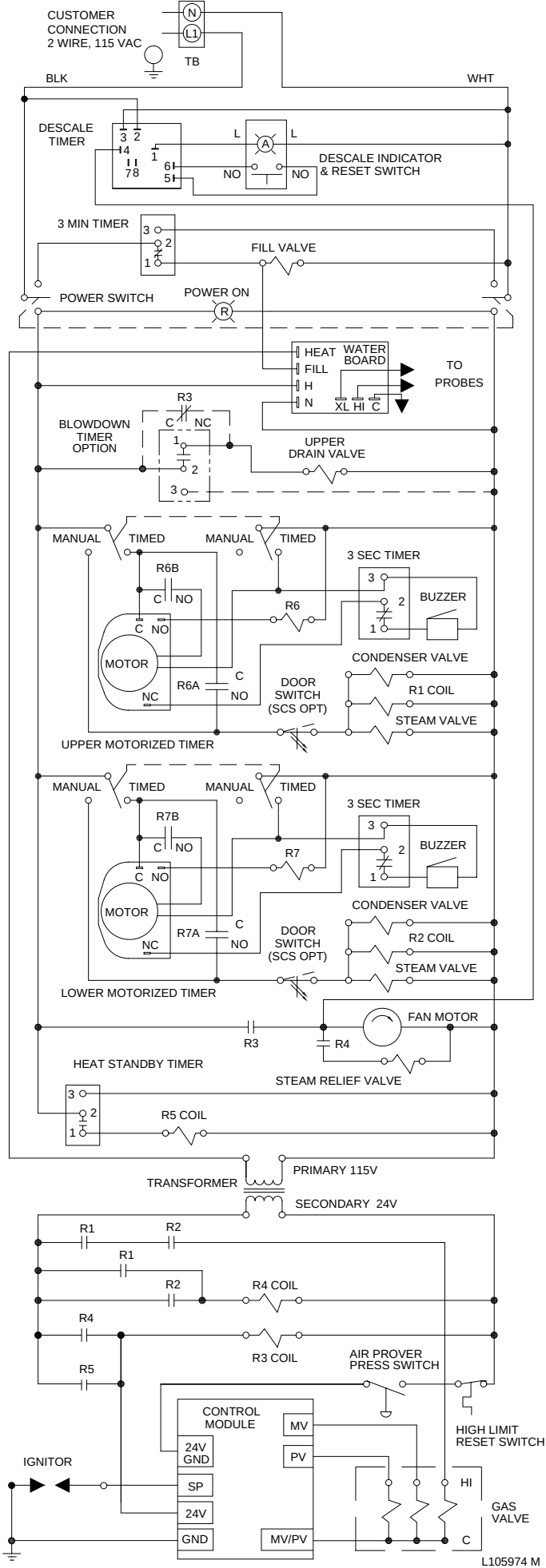
Mechanical Timer

1. To turn the unit on, depress the red on/off rocker switch.
 - 115 VAC is sent to the red indicator light.
 - 115 VAC is sent to normally open drain valve closing it.
 - 115 VAC is sent to H and N of the water level board
 - 115 VAC is sent to the timed/manual switches.
 - 115 VAC is sent to the heat standby timer which will energize the R5 relay 20 seconds every 6 minutes to maintain heat while unit is idle
2. With the water level board energized and no water in the generator
 - After a 5 second delay 115 VAC is sent from the FILL terminal to the fill solenoid.
 - The fill solenoid opens and the generator fills through the drain valve.
 - The water fills to the low probe shorting it to ground
 - 115 VAC is sent from the HEAT terminal to the 24 VAC heat circuit transformer.
 -
3. When the timed/manual switch is in the timed position and time is on the timer for the top cabinet only
 - 115 VAC is sent from the timer to the coil of the R6 relay.
 - The R6 relay energizes
 - R6B contacts close sending 115 VAC to the timer motor.
 - R6A contacts close sending 115 VAC through the door switch (optional) to the steam solenoid, condensate solenoid and R1 relay.
 - R1 is energized closing the R1 contacts.
 - 24 VAC is sent from the 24VAC transformer to the normally open contacts of R2.
 - 24 VAC is sent from the 24VAC transformer to the R4 coil.
 - R4 is energized and the R4 contacts are closed.
 - 24 VAC is sent to one side of the ignition module.
 - 24 VAC is sent to the R3 relay coil
 - R3 is energized and the R3 contacts are closed.
 - 115 VAC is sent through the now closed R4 contacts to the normally open steam relief valve closing it.
 - 115 VAC is sent to the fan motor.
 - The fan motor is energized and the air prover switch closes.
 - 24 VAC is sent through the normally closed highlimit and the now closed air prover switch to the other side of the ignition module.
4. With 24 VAC to both sides of the ignition module.
 - Spark is sent to the igniter.
 - 24VAC is sent to the pilot coil on the gas valve and gas is sent to the pilot.
 - When flame is generated and 1.0 micro amps DC is detected, 24 VAC is sent to the main coil of the gas valve igniting the main burner on low flame.

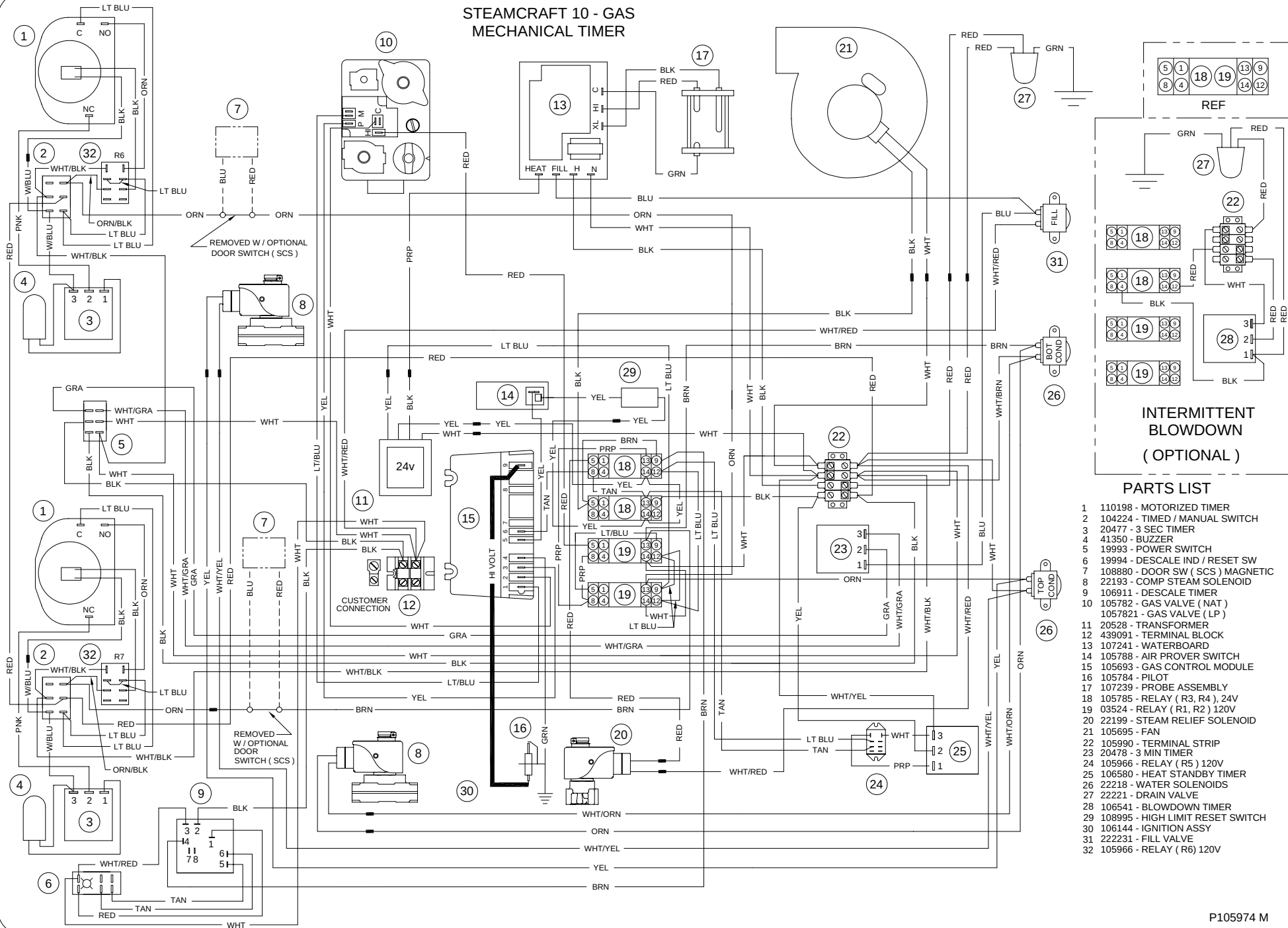
- Steam is energized and sent to the cooking compartment.
 - When the mechanical timer times down a buzzer will sound and the timer will open removing 115 VAC from the heat circuit.
5. When the timed/manual switch is in the timed position and time is on the timer for the bottom cabinet only
- 115 VAC is sent from the timer to the coil of the R7 relay.
 - The R7 relay energizes
 - R7B contacts close sending 115 VAC to the timer motor.
 - R7A contacts close sending 115 VAC through the door switch (optional) to the steam solenoid, condensate solenoid and R2 relay.
 - R2 is energized closing the R2 contacts.
 - 24 VAC is sent from the 24VAC transformer to the normally open contacts of R1.
 - 24 VAC is sent from the 24VAC transformer to the R4 coil.
 - R4 is energized and the R4 contacts are closed.
 - 24 VAC is sent to one side of the ignition module.
 - 24 VAC is sent to the R3 relay coil.
 - R3 is energized and the R3 contacts are closed.
 - 115 VAC is sent through the now closed R4 contacts to the normally open steam relief valve closing it.
 - 115 VAC is sent to the fan motor.
 - The fan motor is energized and the air prover switch closes sending 24 VAC to the other side of the ignition module.
6. With 24 VAC to both sides of the ignition module.
- Spark is sent to the igniter.
 - 24VAC is sent to the pilot coil on the gas valve and gas is sent to the pilot.
 - When flame is generated and 1.0 micro amps DC is detected, 24 VAC is sent to the main coil of the gas valve igniting the main burner on low flame.
 - Steam is energized and sent to the cooking compartment.
 - When the timer times down, the closed contact will open removing 115 VAC from the heat circuit.
 - 115 VAC will be sent through the now closed contacts to the 3-second timer.
 - For 3 seconds 115 VAC will be sent to the buzzer and it will buzzzzzz.
7. When the timed/manual switch is in the timed position and time is on the timer for both cabinets
- 115 VAC is sent from the timer through the door switch (optional) to both steam solenoids, both condensate solenoids and both relays.
 - Both relays are energized closing the relay contacts.
 - 24 VAC is sent from the 24VAC transformer through the R1 and R2 contacts to the high coil on the gas valve.
 - 24 VAC is sent from the 24VAC transformer to the R4 coil.
 - R4 is energized and the R4 contacts are closed.
 - 24 VAC is sent to one side of the ignition module.

- 24 VAC is sent to the R3 relay coil.
 - R3 is energized and the R3 contacts are closed.
 - 115 VAC is sent through the now closed R4 contacts to the normally open steam relief valve closing it.
 - 115 VAC is sent to the fan motor.
 - The fan motor is energized and the air prover switch closes sending 24 VAC to the other side of the ignition module.
8. With 24 VAC to both sides of the ignition module.
 - Spark is sent to the igniter.
 - 24VAC is sent to the pilot coil on the gas valve and gas is sent to the pilot.
 - When flame is generated and 1.0 micro amps DC is detected 24 VAC is sent to the main coil of the gas valve igniting the main burner on high flame (the high coil was energized in step 7).
 - Steam is energized and sent to the cooking compartments.
 - When the timers time down the buzzers will sound and each timer will open removing 115 VAC from the heat circuit.
 9. When the water level reaches the high probe then 115 VAC is removed from the FILL terminal and the fill solenoid is turned off.
 10. After the water level drops below the high probe for 5 seconds 115 VAC is sent to the FILL terminal again.
 11. 115 VAC is turned off by depressing the red on/off rocker switch.
 - 115 VAC is removed from the timer and heating circuits.
 - 115 VAC is removed from the normally open drain valve allowing the steamer to drain.
 - 115 VAC is sent to the 3-minute timer.
 - The fill solenoid is energized for 3 minutes flushing the drain.

STEAMCRAFT 10 GAS - MECHANICAL CONTROL



STEAMCRAFT 10 - GAS MECHANICAL TIMER



PARTS LIST

- 1 110198 - MOTORIZED TIMER
- 2 104224 - TIMED / MANUAL SWITCH
- 3 20477 - 3 SEC TIMER
- 4 41350 - BUZZER
- 5 19993 - POWER SWITCH
- 6 19994 - DESCALE IND / RESET SW
- 7 108880 - DOOR SW (SCS) MAGNETIC
- 8 22193 - COMP STEAM SOLENOID
- 9 106911 - DESCALE TIMER
- 10 105782 - GAS VALVE (NAT)
- 10 1057821 - GAS VALVE (LP)
- 11 20528 - TRANSFORMER
- 12 439091 - TERMINAL BLOCK
- 13 107241 - WATERBOARD
- 14 105788 - AIR PROVER SWITCH
- 15 105693 - GAS CONTROL MODULE
- 16 105784 - PILOT
- 17 107239 - PROBE ASSEMBLY
- 18 105785 - RELAY (R3, R4), 24V
- 19 03524 - RELAY (R1, R2) 120V
- 20 22199 - STEAM RELIEF SOLENOID
- 21 105695 - FAN
- 22 105990 - TERMINAL STRIP
- 23 20478 - 3 MIN TIMER
- 24 105966 - RELAY (R5) 120V
- 25 106580 - HEAT STANDBY TIMER
- 26 22218 - WATER SOLENOIDS
- 27 22221 - DRAIN VALVE
- 28 106541 - BLOWDOWN TIMER
- 29 108995 - HIGH LIMIT RESET SWITCH
- 30 106144 - IGNITION ASSY
- 31 222231 - FILL VALVE
- 32 105966 - RELAY (R6) 120V

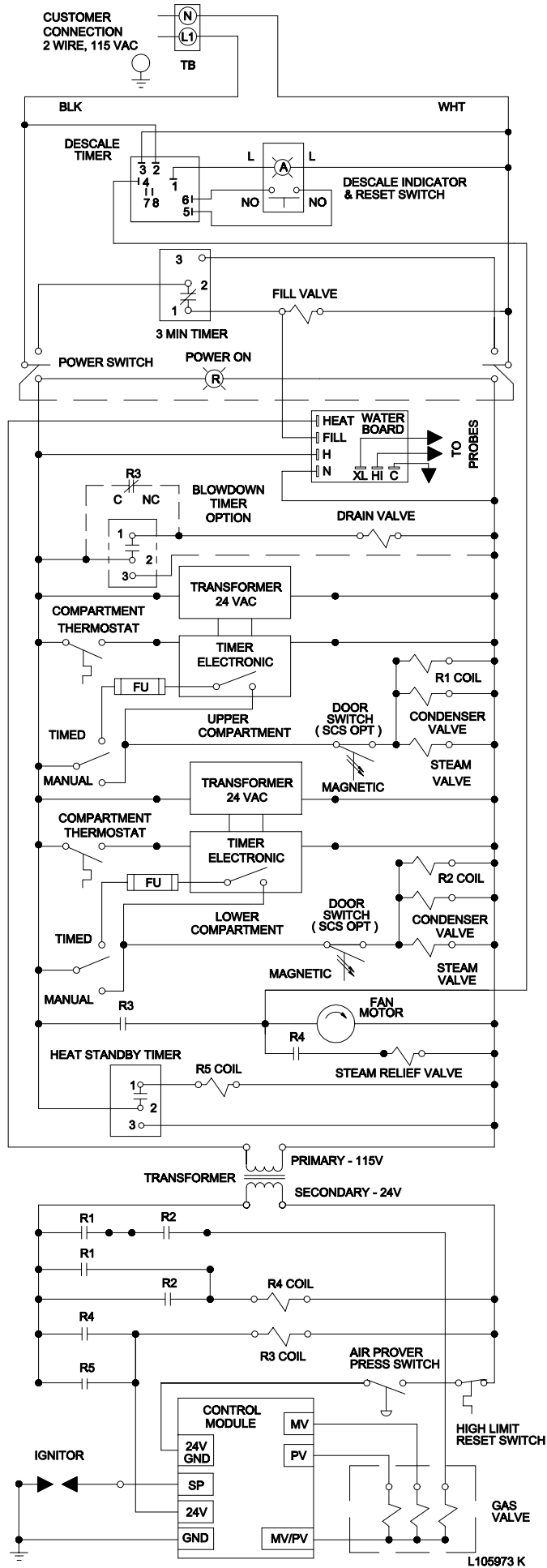
CLEVELAND RANGE 24CGA10
SEQUENCE OF OPERATIONS
Electronic Timer

1. To turn the unit on, depress the red on/off rocker switch.
 - 115 VAC is sent to the red indicator light.
 - 115 VAC is sent to normally open drain valve closing it.
 - 115 VAC is sent to H and N of the water level board
 - 115 VAC is sent to the 24VAC transformer for the electronic timer.
 - 115 VAC is sent to the normally open compartment thermostat switch.
 - 115 VAC is sent to the timed/manual switch.
2. With the water level board energized and no water in the generator
 - After a 5 second delay 115 VAC is sent from the FILL terminal to the fill solenoid.
 - The fill solenoid opens and the generator fills through the drain valve.
 - The water fills to the low probe shorting it to ground
 - 115 VAC is sent from the HEAT terminal to the 24 VAC heat transformer.
 - 115 VAC is sent to the heat standby timer which will energize 20 seconds every 6 minutes to maintain heat while unit is idle
3. When the timed/manual switch is in the timed position and time is on the timer for the top cabinet only
 - 115 VAC is sent from the timer through the door switch (optional) to the steam solenoid, condensate solenoid and R1 relay.
 - R1 is energized closing the R1 contacts.
 - 24VAC is sent from the 24VAC transformer to the normally open contacts of R2.
 - 24VAC is sent from the 24VAC transformer to the R4 coil.
 - R4 is energized and the R4 contacts are closed.
 - 24VAC is sent to one side of the ignition module.
 - 24VAC is sent to the R3 relay coil
 - R3 is energized and the R3 contacts are closed.
 - 115 VAC is sent through the now closed R4 contacts to the normally open steam relief valve closing it.
 - 115 VAC is sent to the fan motor.
 - The fan motor is energized and the air prover switch closes.
 - 24VAC is sent through the normally closed highlimit and the now closed air prover switch to the other side of the ignition module.
4. With 115 VAC to both sides of the ignition module.
 - Spark is sent to the igniter.
 - 24VAC is sent to the pilot coil on the gas valve and gas is sent to the pilot.
 - When flame is generated and 1.0 micro amps DC is detected, 24VAC is sent to the main coil of the gas valve igniting the main burner on low flame.
 - Steam is energized and sent to the cooking compartment.

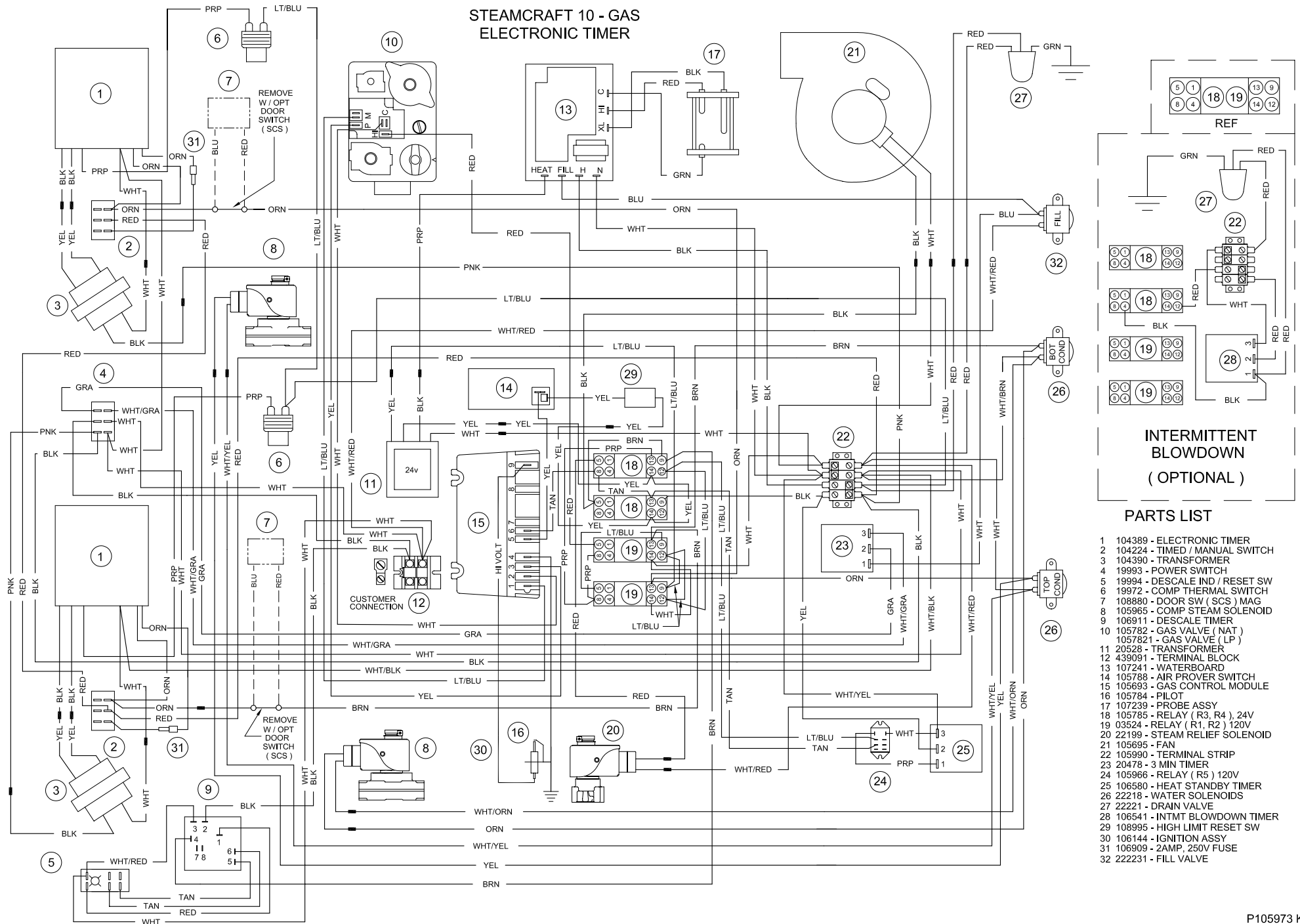
- When the cooking compartment reaches 193 degrees the compartment thermostat closes sending 115 VAC to the timer.
 - The timer will then begin counting down.
 - When the electronic timer times down a buzzer will sound and the timer will open removing 115 VAC from the heat circuit.
5. When the timed/manual switch is in the timed position and time is on the timer for the bottom cabinet only
- 115 VAC is sent from the timer through the door switch (optional) to the steam solenoid, condensate solenoid and R2 relay.
 - R2 is energized closing the R2 contacts.
 - 24VAC is sent from the 24VAC transformer to the normally open contacts of R1.
 - 24VAC is sent from the 24VAC transformer to the R4 coil.
 - R4 is energized and the R4 contacts are closed.
 - 24VAC is sent to one side of the ignition module.
 - 24VAC is sent to the R3 relay coil.
 - R3 is energized and the R3 contacts are closed.
 - 115 VAC is sent through the now closed R4 contacts to the normally open steam relief valve closing it.
 - 115 VAC is sent to the fan motor.
 - The fan motor is energized and the air prover switch closes sending 24VAC to the other side of the ignition module.
6. With 24VAC to both sides of the ignition module.
- Spark is sent to the igniter.
 - 24VAC is sent to the pilot coil on the gas valve and gas is sent to the pilot.
 - When flame is generated and 1.0 micro amps DC is detected, 24VAC is sent to the main coil of the gas valve igniting the main burner on low flame.
 - Steam is energized and sent to the cooking compartment.
 - When the cooking compartment reaches 193 degrees the compartment thermostat closes sending 115 VAC to the timer.
 - The electronic timer will stop flashing "PAUS" and then begin counting down.
 - When the timer times down a buzzer will sound and the timer will open removing 115 VAC from the heat circuit.
7. When the timed/manual switch is in the timed position and time is on the timer for both cabinets
- 115 VAC is sent from the timer through the door switch (optional) to both steam solenoids, both condensate solenoids and both relays.
 - Both relays are energized closing the relay contacts.
 - 24VAC is sent from the 24VAC transformer through the R1 and R2 contacts to the high coil on the gas valve.
 - 24VAC is sent from the 24VAC transformer to the R4 coil.
 - R4 is energized and the R4 contacts are closed.
 - 24VAC is sent to one side of the ignition module.

- 24VAC is sent to the R3 relay coil.
 - R3 is energized and the R3 contacts are closed.
 - 115 VAC is sent through the now closed R4 contacts to the normally open steam relief valve closing it.
 - 115 VAC is sent to the fan motor.
 - The fan motor is energized and the air prover switch closes sending 24VAC to the other side of the ignition module.
8. With 24VAC to both sides of the ignition module.
- Spark is sent to the igniter.
 - 24VAC is sent to the pilot coil on the gas valve and gas is sent to the pilot.
 - When flame is generated and 1.0 micro amps DC is detected 24VAC is sent to the main coil of the gas valve igniting the main burner on high flame (the high coil was energized in step 7).
 - Steam is energized and sent to the cooking compartments.
 - When the cooking compartments reach 193 degrees the compartment thermostats close sending 115 VAC to the timers.
 - The timers will then begin counting down.
 - When the timers time down a buzzer will sound and the timer will open removing 115 VAC from the heat circuit.
9. When the water level reaches the high probe then 115 VAC is removed from the FILL terminal and the fill solenoid is turned off.
10. After the water level drops below the high probe for 5 seconds 115 VAC is sent to the FILL terminal again.
11. 115 VAC is turned off by depressing the red on/off rocker switch.
- 115 VAC is removed from the timer and heating circuits.
 - 115 VAC is removed from the normally open drain valve allowing the steamer to drain.
 - 115 VAC is sent to the 3-minute timer.
 - The fill solenoid is energized for 3 minutes flushing the drain.

STEAMCRAFT 10 GAS - ELECTRONIC CONTROL



STEAMCRAFT 10 - GAS ELECTRONIC TIMER

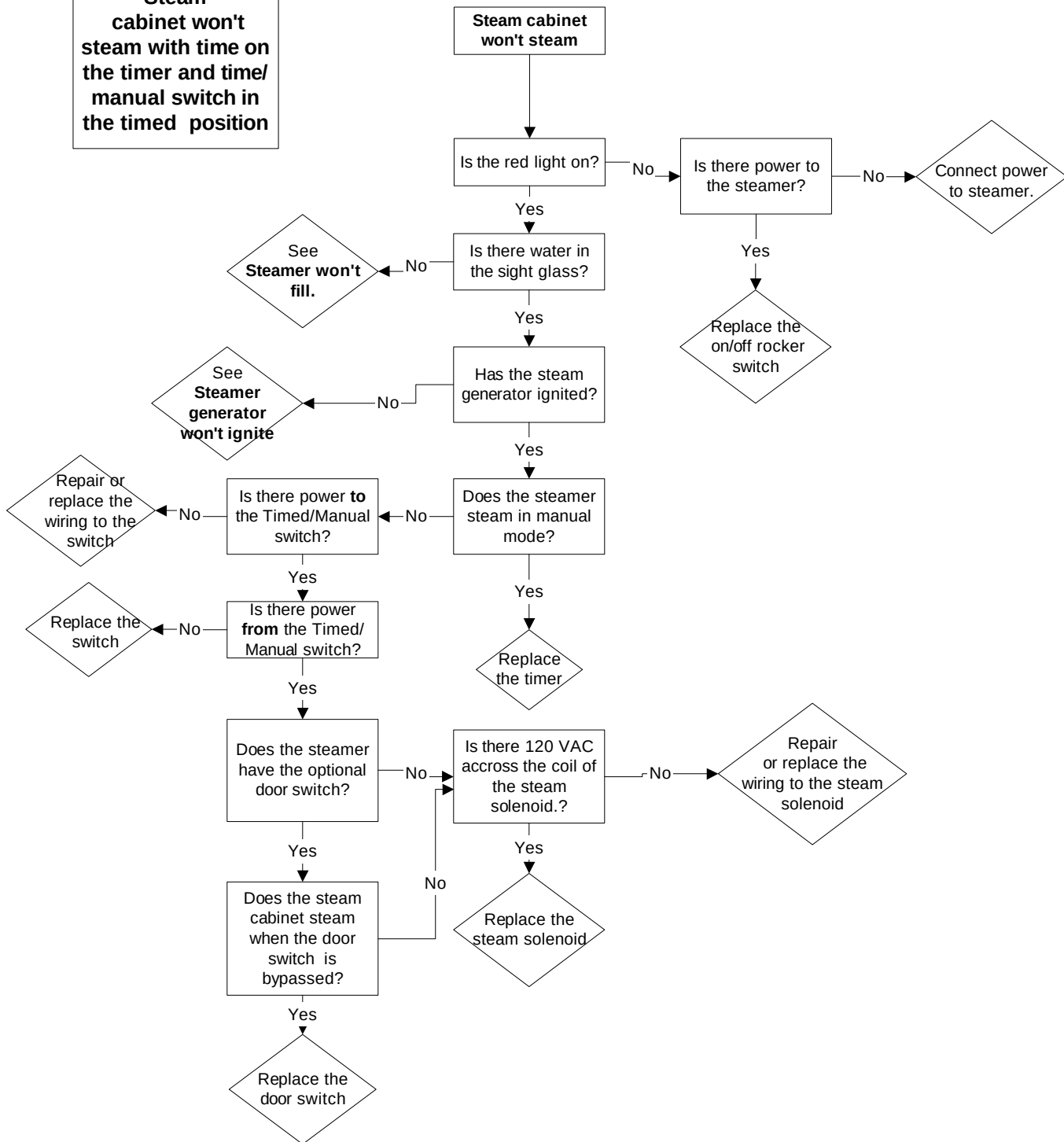


INTERMITTENT BLOWDOWN (OPTIONAL)

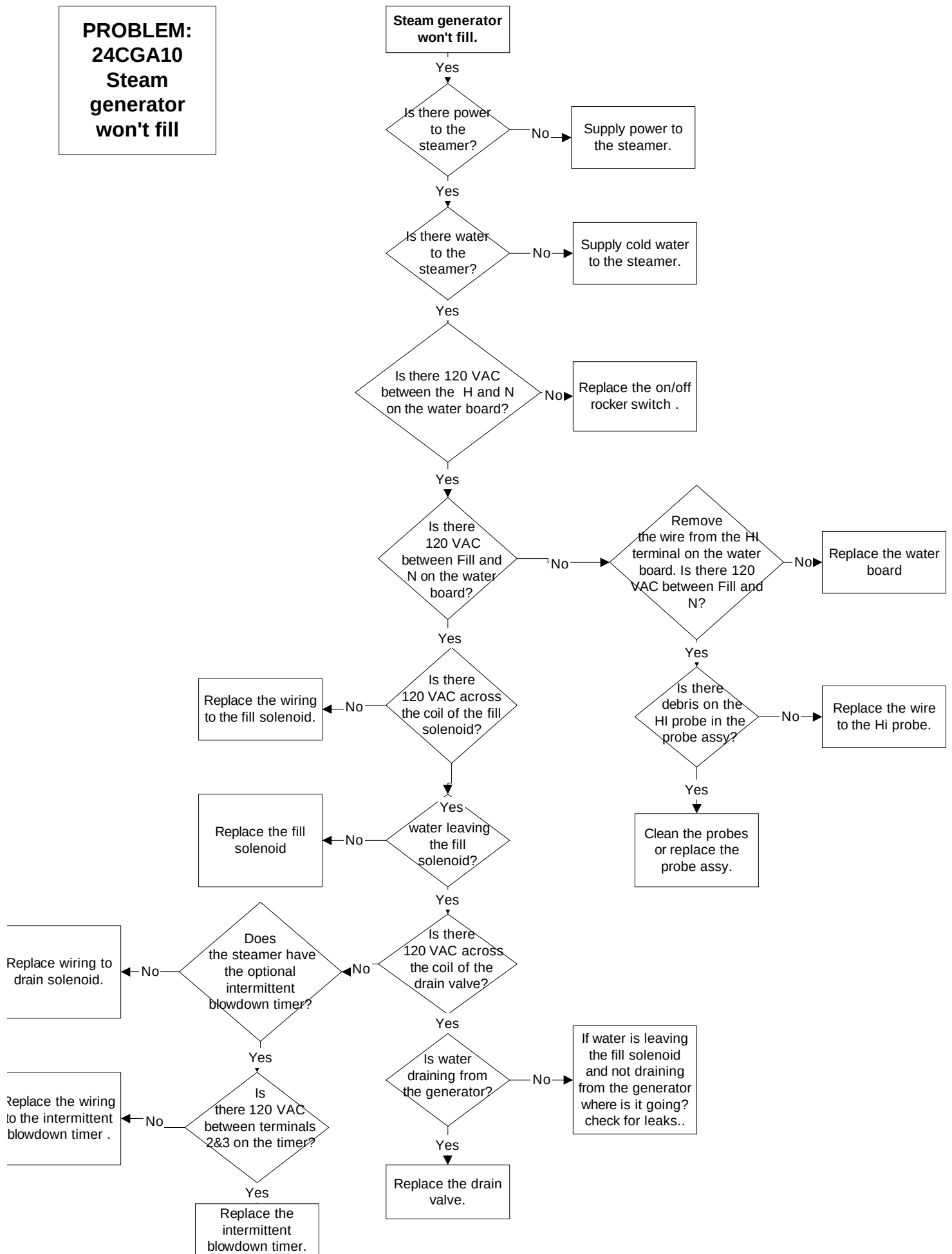
PARTS LIST

- 1 104389 - ELECTRONIC TIMER
- 2 104224 - TIMED / MANUAL SWITCH
- 3 104390 - TRANSFORMER
- 4 19993 - POWER SWITCH
- 5 19994 - DESCALE IND / RESET SW
- 6 19972 - COMP THERMAL SWITCH
- 7 108880 - DOOR SW (SCS) MAG
- 8 105965 - COMP STEAM SOLENOID
- 9 106911 - DESCALE TIMER
- 10 105782 - GAS VALVE (NAT)
- 1057821 - GAS VALVE (LP)
- 11 20528 - TRANSFORMER
- 12 439091 - TERMINAL BLOCK
- 13 107241 - WATERBOARD
- 14 105788 - AIR PROVER SWITCH
- 15 105693 - GAS CONTROL MODULE
- 16 105784 - PILOT
- 17 107239 - PROBE ASSY
- 18 105785 - RELAY (R3, R4) , 24V
- 19 03524 - RELAY (R1, R2) 120V
- 20 22199 - STEAM RELIEF SOLENOID
- 21 105695 - FAN
- 22 105990 - TERMINAL STRIP
- 23 20478 - 3 MIN TIMER
- 24 105966 - RELAY (R5) 120V
- 25 106580 - HEAT STANDBY TIMER
- 26 22218 - WATER SOLENOIDS
- 27 22221 - DRAIN VALVE
- 28 106541 - INTMT BLOWDOWN TIMER
- 29 108995 - HIGH LIMIT RESET SW
- 30 106144 - IGNITION ASSY
- 31 106909 - 2AMP, 250V FUSE
- 32 222231 - FILL VALVE

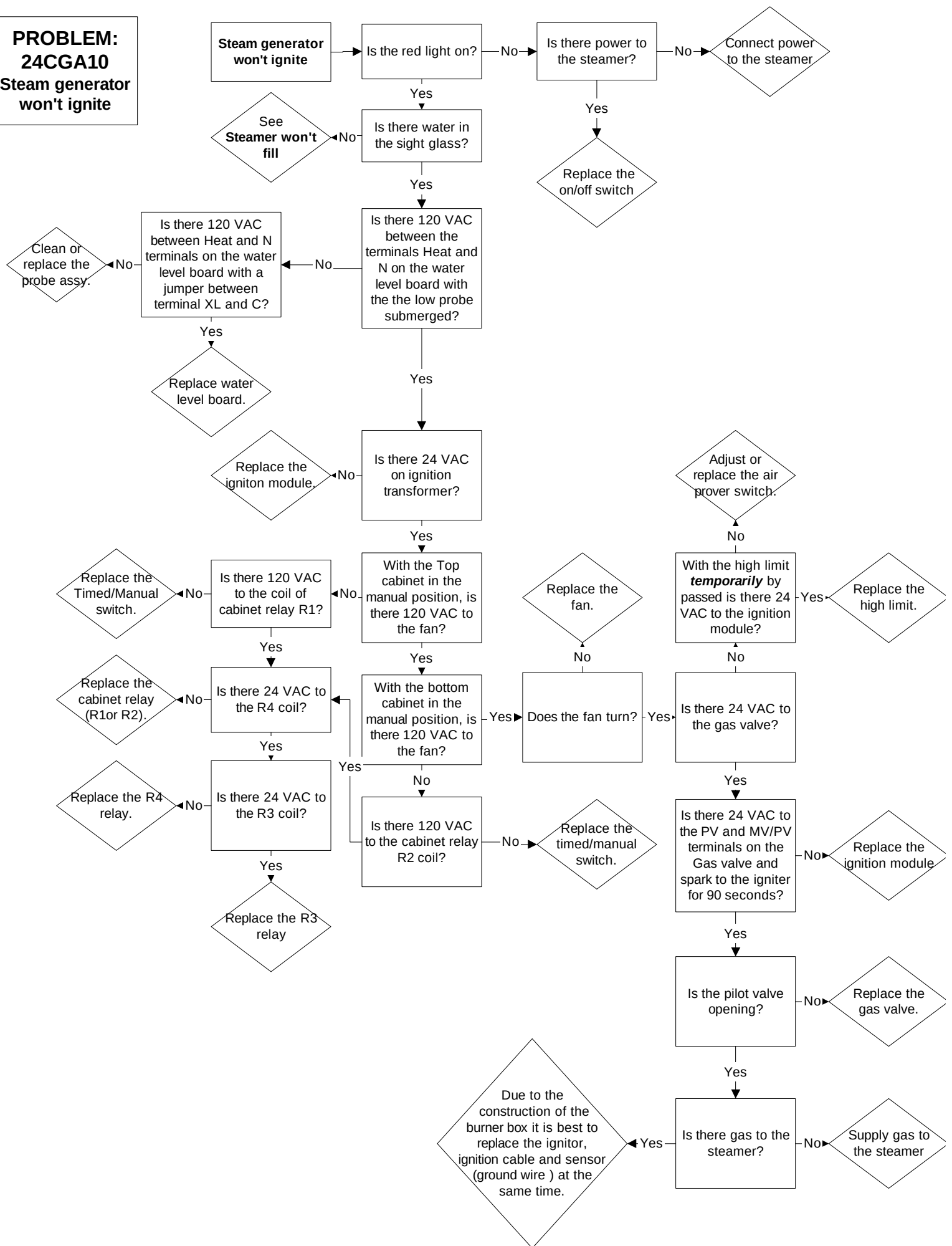
PROBLEM:
24CGA10
Steam
cabinet won't
steam with time on
the timer and time/
manual switch in
the timed position



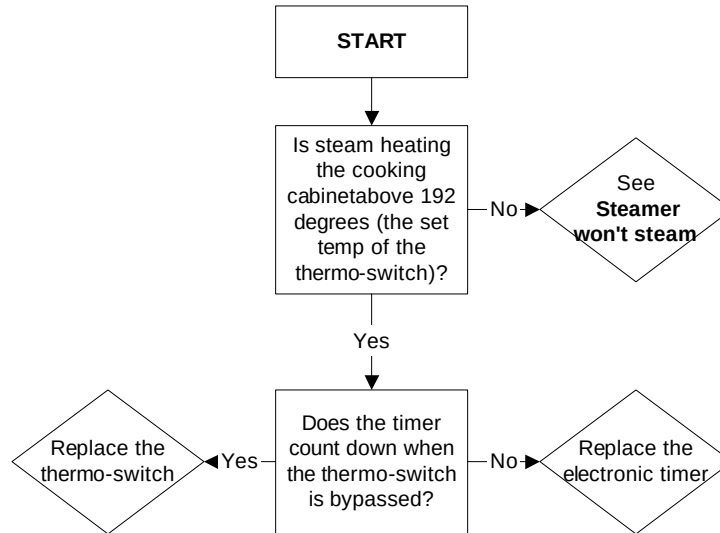
**PROBLEM:
24CGA10
Steam
generator
won't fill**



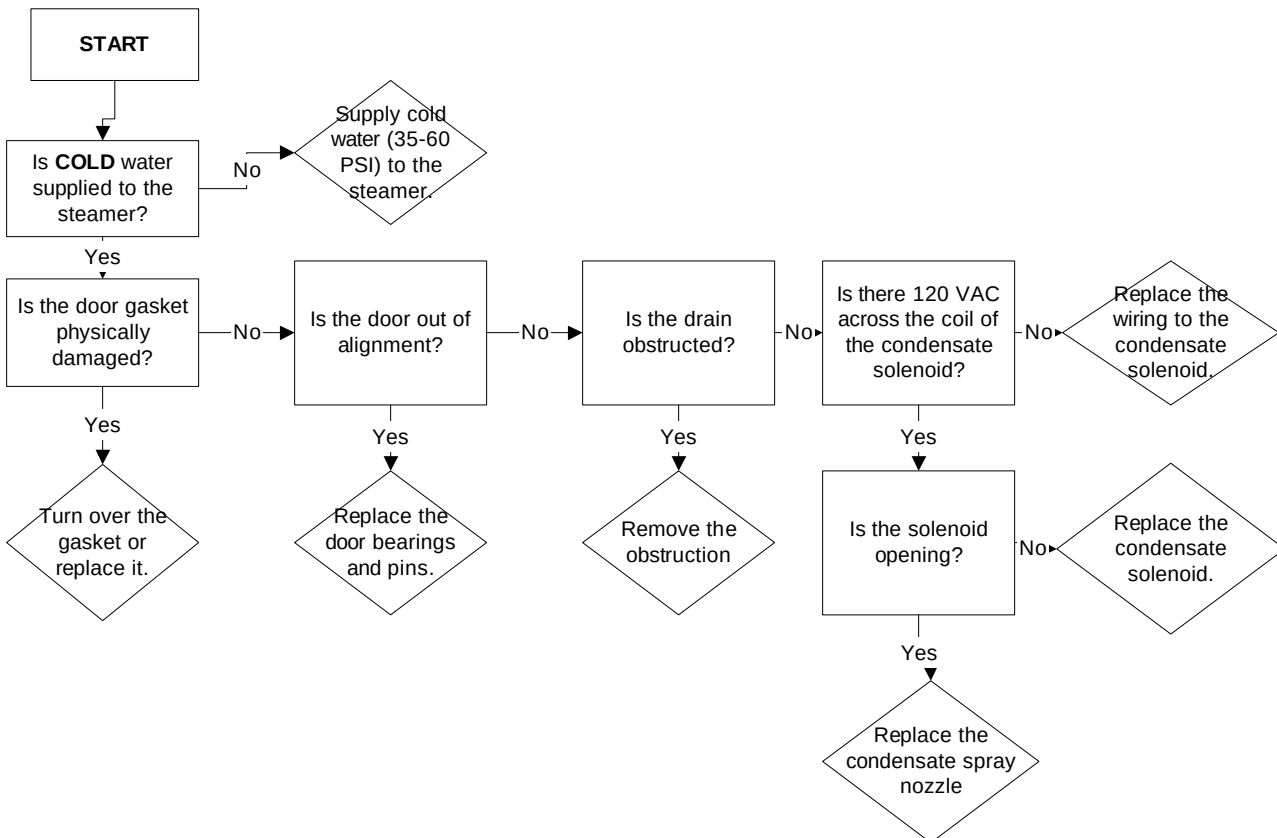
PROBLEM:
24CGA10
Steam generator
won't ignite

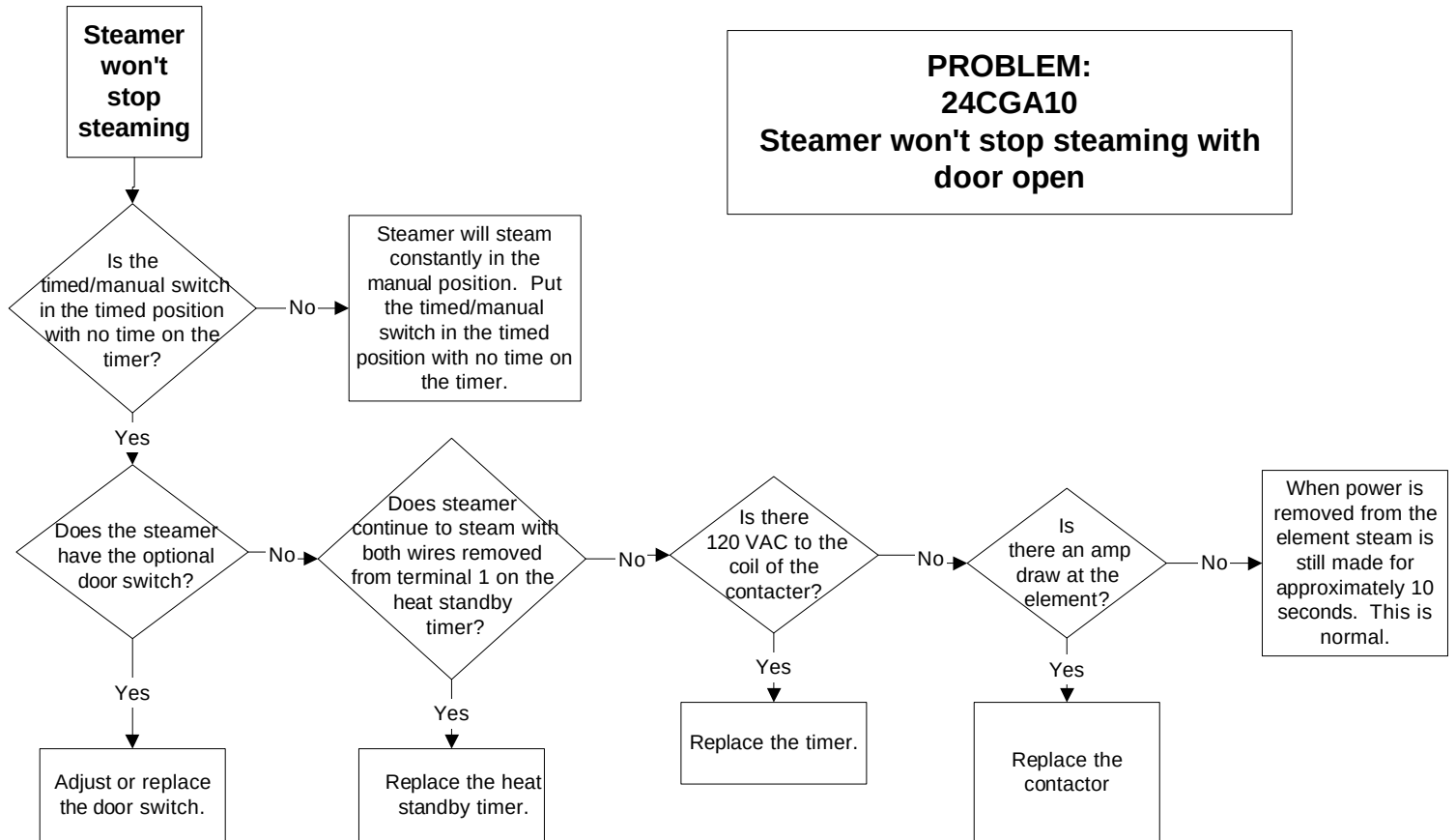


PROBLEM:
24CGA10
Electronic timer displays "PAUS" and won't count down

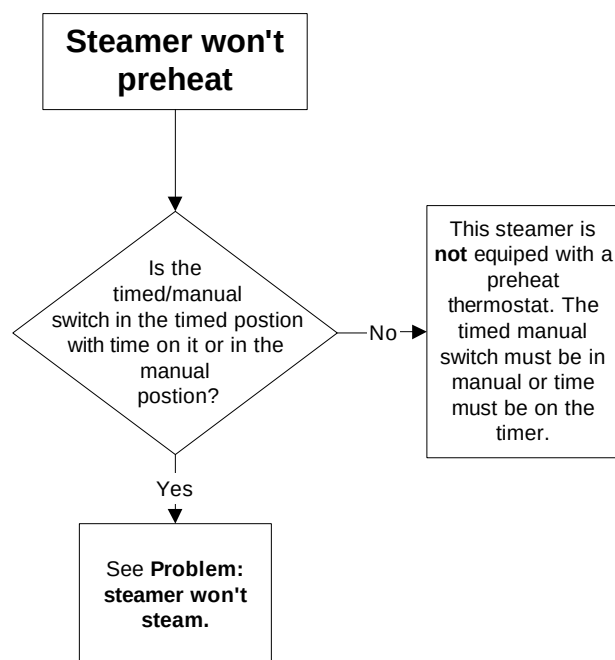


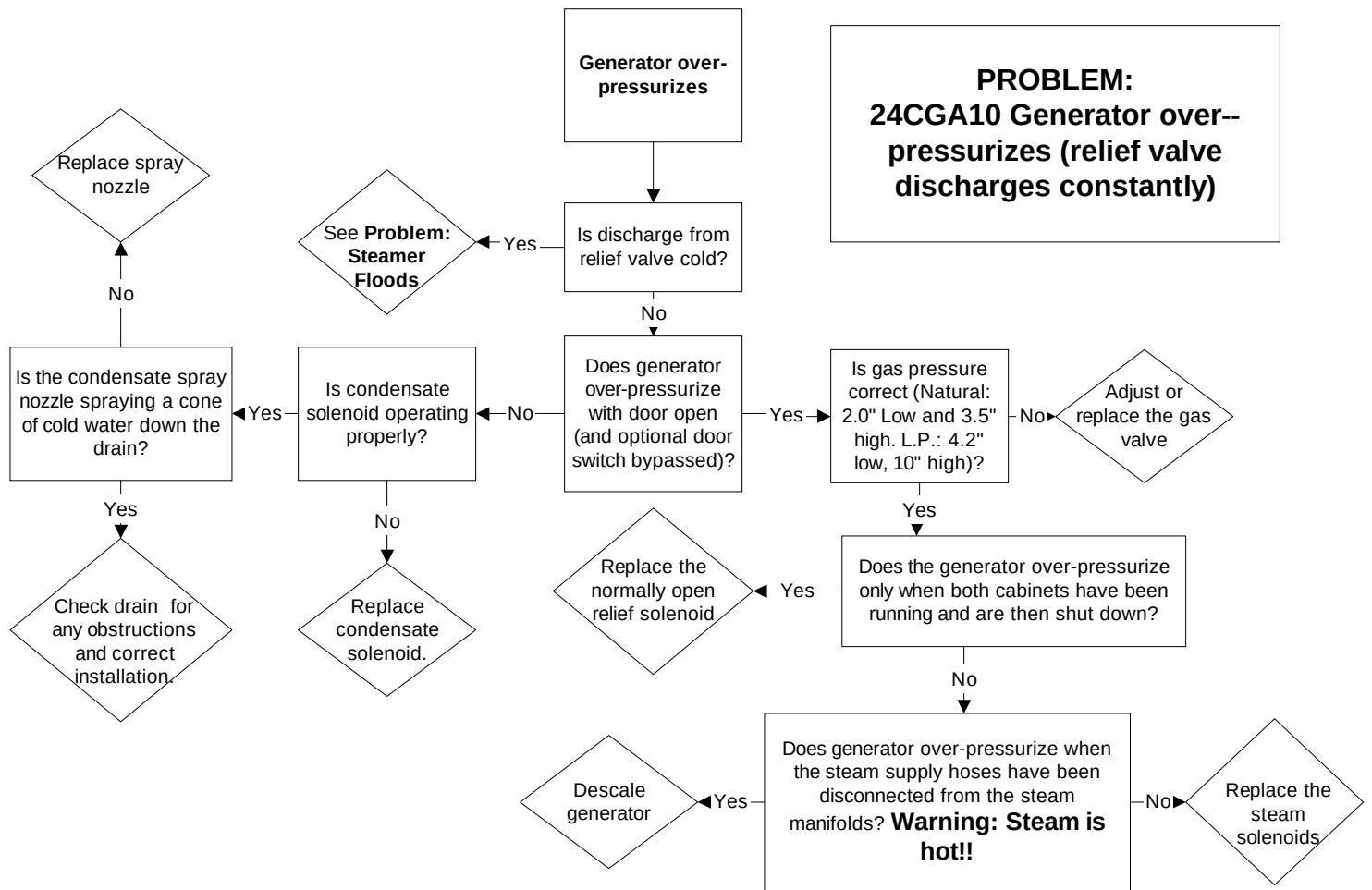
PROBLEM:
24CGA10
Steam leaks around the door.



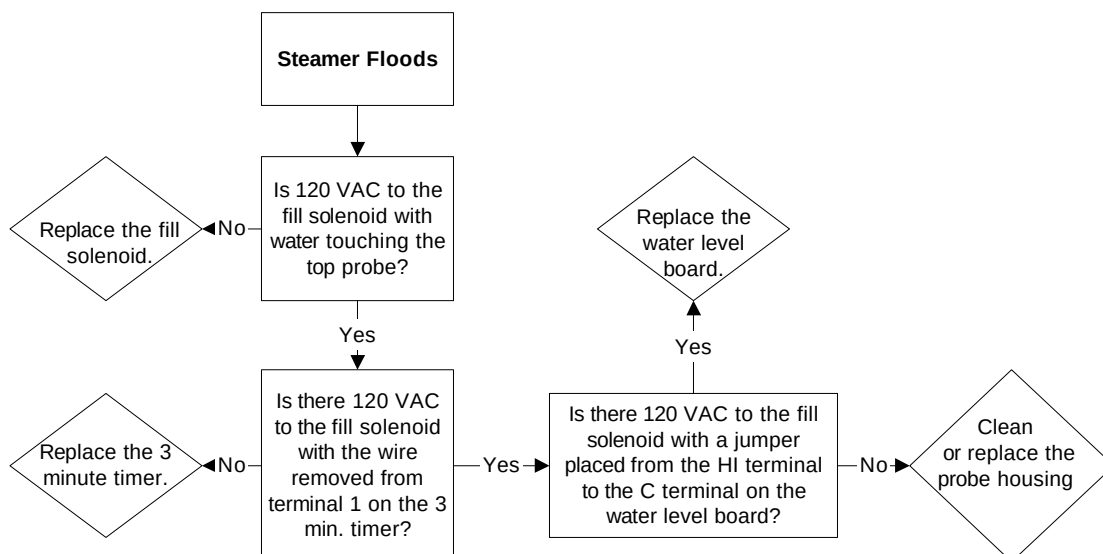


**Problem:
24CGA10
Steamer won't preheat**





Problem: 24CGA10 Steamer Floods (Water is entering cabinet through the steam nozzles)





Cleveland

Descaling Procedure-SteamCraft Ultra and Gemini Series

How Much DISSOLVE to Use

Model	Dissolve
Ultra 3	1/2 Gallon
Ultra 5	1 Gallon
Ultra 10 (Elec.)	1 Gallon (ea.)
Ultra 10 (Gas)	1½ Gallon
Gemini 6 & 10	1 Gallon (ea.)

1. Turn the unit OFF and open the doors:

This will drain and rinse the generator for about 3 minutes.

2. Turn the unit power back On:

The generator will begin to refill with water.

3. Select Timed with the Timed/Manual switch:

DO NOT start the timer, since you do not want to heat the water during descaling. Leave the doors open.

4. Remove descaling port cap and add with the specified amount of DISSOLVE: (See chart above)

Do this while the unit is refilling. The generators can take-up to 8 minutes to refill.

5. After refill has stopped, add extra tap water into the descaling port until liquid is seen entering the cooking cabinet. Note: Ultra 10 gas will have liquid coming out of the drain,

Adding extra water when descaling will raise the descaling solution higher than the normal fill level, allowing the DISSOLVE to work on sensors and surfaces above the water line

Note: Some SteamCraft Ultra models (the electric powered Ultra 10 and Gemini 6 and 10, for example) have two generators and two descaling ports. Both units should be descaled at the same time, using this procedure

6. Let the descaler soak in generator for approximately one hour:

7. After one hour, turn the unit power Off: This will drain and rinse the generator for about 3 minutes.



8. After the 3-minute drain cycle completes, turn the unit back ON. After the filling has stopped, add water until liquid enters the cooking compartment (or drain for the ultra 10 gas), and then turn the unit OFF. This will drain and flush any residue from the water level control assembly. **Replace descaling cap.**

9. After the 3 minute drain cycle completes, Turn the unit ON and set the Timer for 20 minutes: Make sure the Time/Manual switch is in the timed setting and the doors are closed.

10. When the timer times out (after 20 minutes) turn the power Off:

This will drain and rinse the generator for about 3 minutes.

This ends the descaling procedure. You can now turn the unit back on and resume normal startup and cooking operations.