

# Cleveland

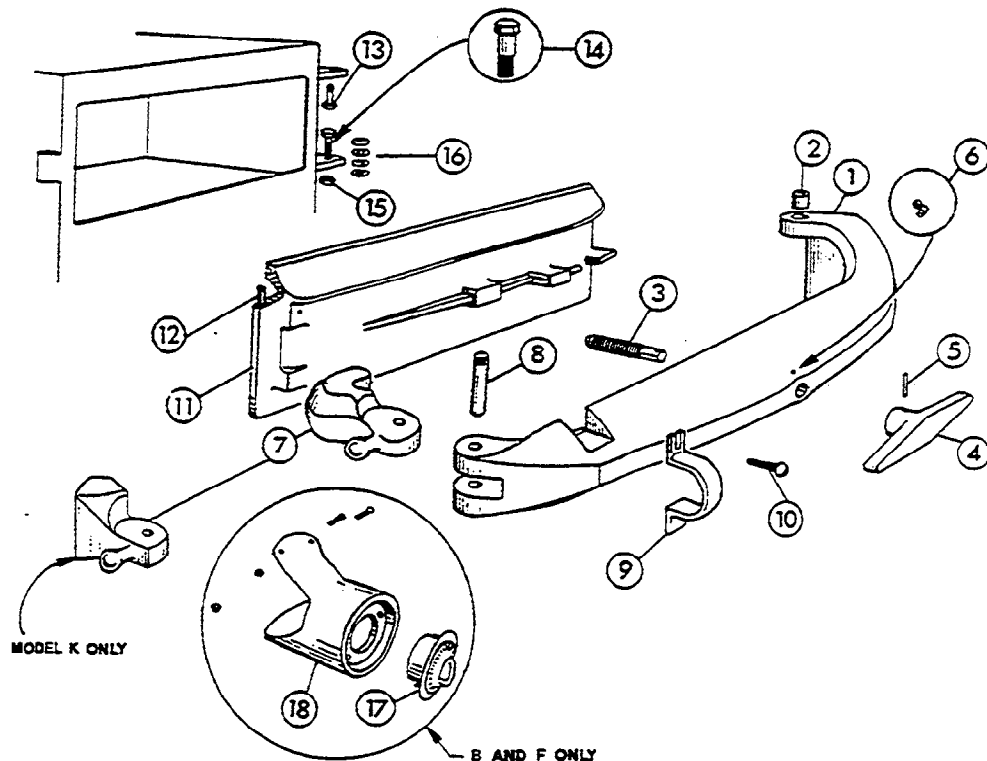
# Parts Manual

## PRESSURE STEAMERS



SERIES: PGM, PEM, PSM, PDM, PDL-2/3

## MODELS B, C, F, K PRESSURE STEAMERS DOOR AND DOOR ARM ASSEMBLY

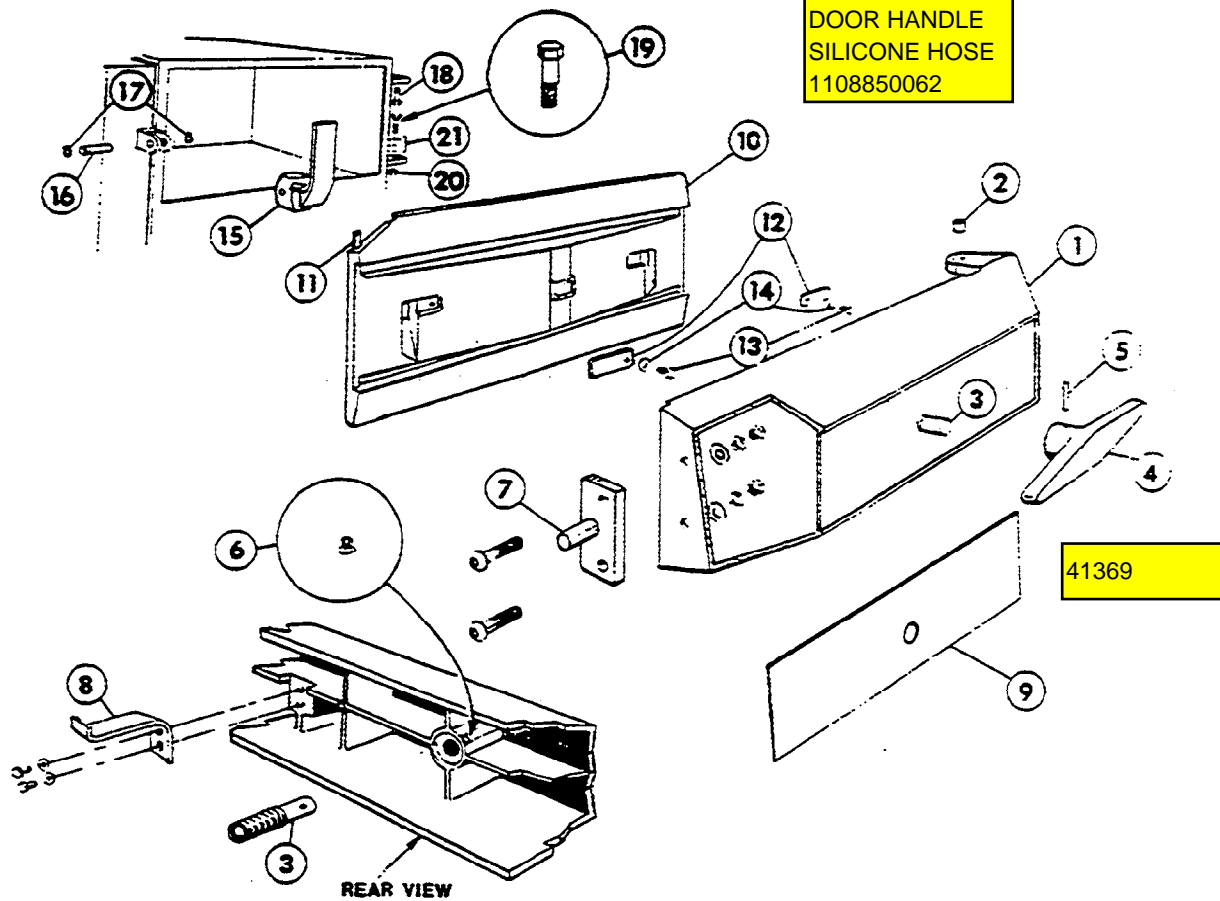


REFERENCE NUMBER	PART NUMBER	DESCRIPTION
1	25303	Door Arm With Bushings — Model B & C, Polished
	25304	Door Arm With Bushings — Model F & K, Polished
2	02568	Door Arm Hinge Bushing (2 Required)
3	41370	Standard Door Arm Screw With Ball (1" x 8 thread)
	41371	Oversize Door Arm Screw With Ball 1½" x 8 thread)
4	081001	Screw Handle Bar, Polished
5	16305	Pin
6	15250	Oil Cup
7	122011	Door Arm Latch — Model B, C, & F Chrome Plated
	122021	Door Arm Latch — Model K Chrome Plated
8	101018	Door Arm Latch Pin — Model B, C, F, & K Brass
	163101	Door Arm Latch Pin — Model B, C, F, & K Chrome Plated
9	081031	Door Retainer — Model B, C, F, & K Chrome Plated
10	<del>19291</del>	Screw
11	041631	Door, Model B Polished
	04164	Door, Model C Polished
	04165	Door, Model F & K Polished
12	07132	Door Gasket — Rubber, Model B
	07134	Door Gasket — Rubber, Model C, F, K
13	023001	Door Arm Hinge Post Bolt (Upper) — Concentric Type —
14	023061	Door Arm Hinge Post Bolt (Lower) — Eccentric Type —
15	14643	Nut, For Lower Hinge Post Bolt
16	23181	Shim Washer
17	40547	60 Minute Bell Timer Assembly
18	08601	Timer Housing — Model B & C Polished (Not Available)
	08606	Timer Housing — Model F Polished (Not Available)

CLEVELAND RANGE CO., 1333 EAST 179th ST., CLEVELAND, OHIO 44110

Manufacturer reserves right of design improvement or modification, as warranted.

# MODEL J DOOR AND DOOR ARM ASSEMBLY



REFERENCE NUMBER	PART NUMBER	DESCRIPTION
1	253022	Door Arm Painted
2	02568	Door Arm Hinge Bushing (2 Required)
3	41370	Standard Door Arm Screw With Ball (1" x 8 thread)
	41371	Oversize Door Arm Screw With Ball (1 1/32" x 8 thread)
4	081001	Screw Handle Bar, Polished
5	16305	Pin
6	15250	Oil Cup
7	41360	Striker Plate and Pin
8	43723	Door Hanger w/Screws and Washers (2 Required)
9	53035	Door Arm Insert, Stainless
10	04162	Polished Aluminum Door, 041623 Door Painted
11	07136	Door Gasket — Rubber
12	68140	Retainer, Yoke Hanger (2 Required)
13	19228	Screw
14	23182	Washer
15	122001	Door Arm Latch, Chrome Plated
16	163141	Door Arm Latch Pin, Chrome Plated
17	18306	Retainer Clip, (2 Required)
18	023001	Door Arm Hinge Post Bolt (Upper) — Concentric Type —
19	023061	Door Arm Hinge Post Bolt (Lower) — Eccentric Type —
20	14643	Nut, For Lower Hinge Post Bolt
21	23181	Shim Washers

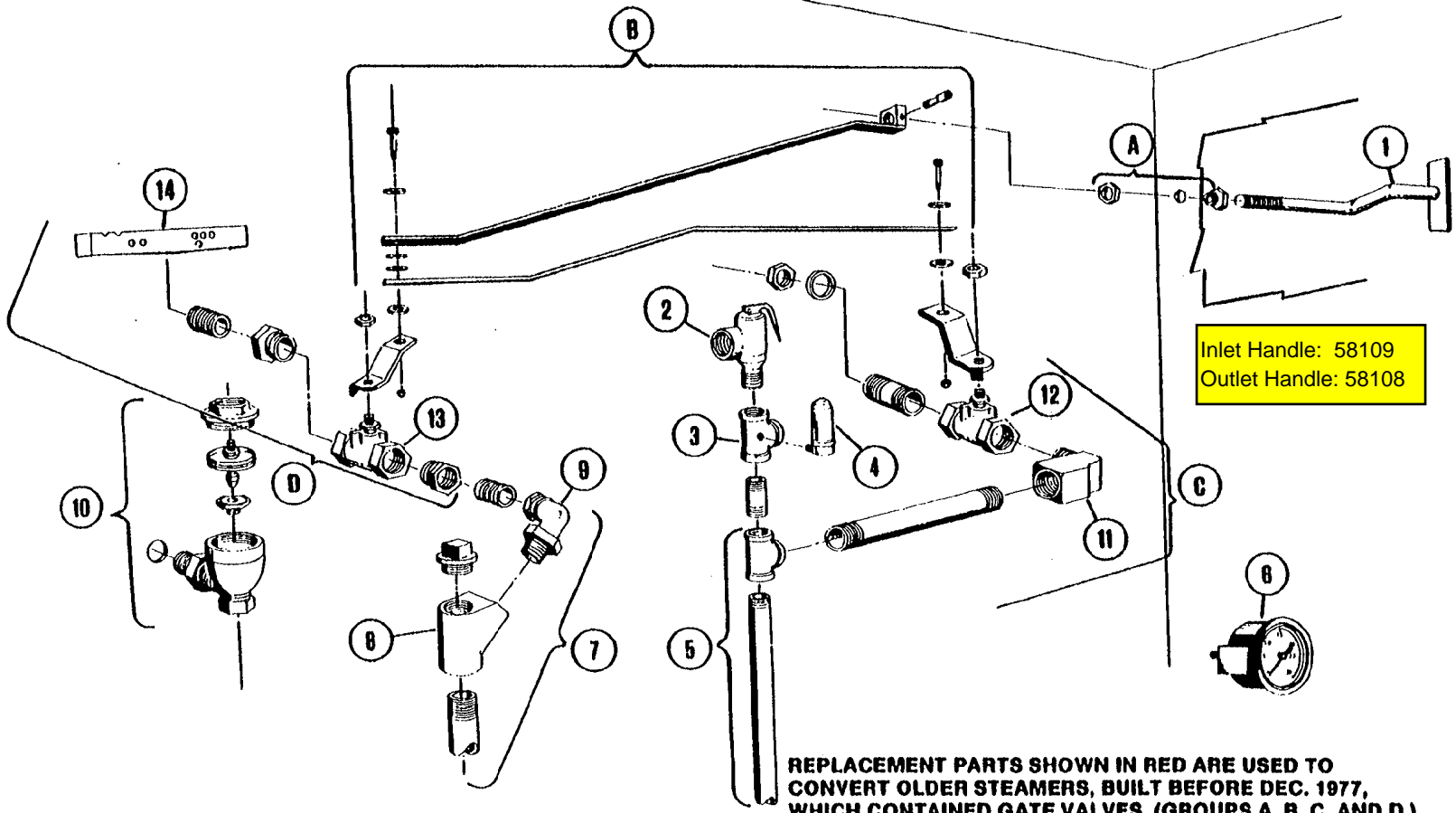
CLEVELAND RANGE CO., 1333 EAST 179th ST., CLEVELAND, OHIO 44110

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# MECHANICAL COMPARTMENT CONTROLS MODEL J PRESSURE STEAMERS—JAN. 1982 THRU PRESENT

LTHO IN USA. 0982

CLEVELAND RANGE CO., 1333 EAST 179th ST., CLEVELAND, OHIO 44110  
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CLEVELAND RANGE CO., 1333 EAST 179th ST., CLEVELAND, OHIO 44110

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## MECHANICAL COMPARTMENT CONTROLS MODEL J PRESSURE STEAMERS—JAN. 1982 THRU PRESENT

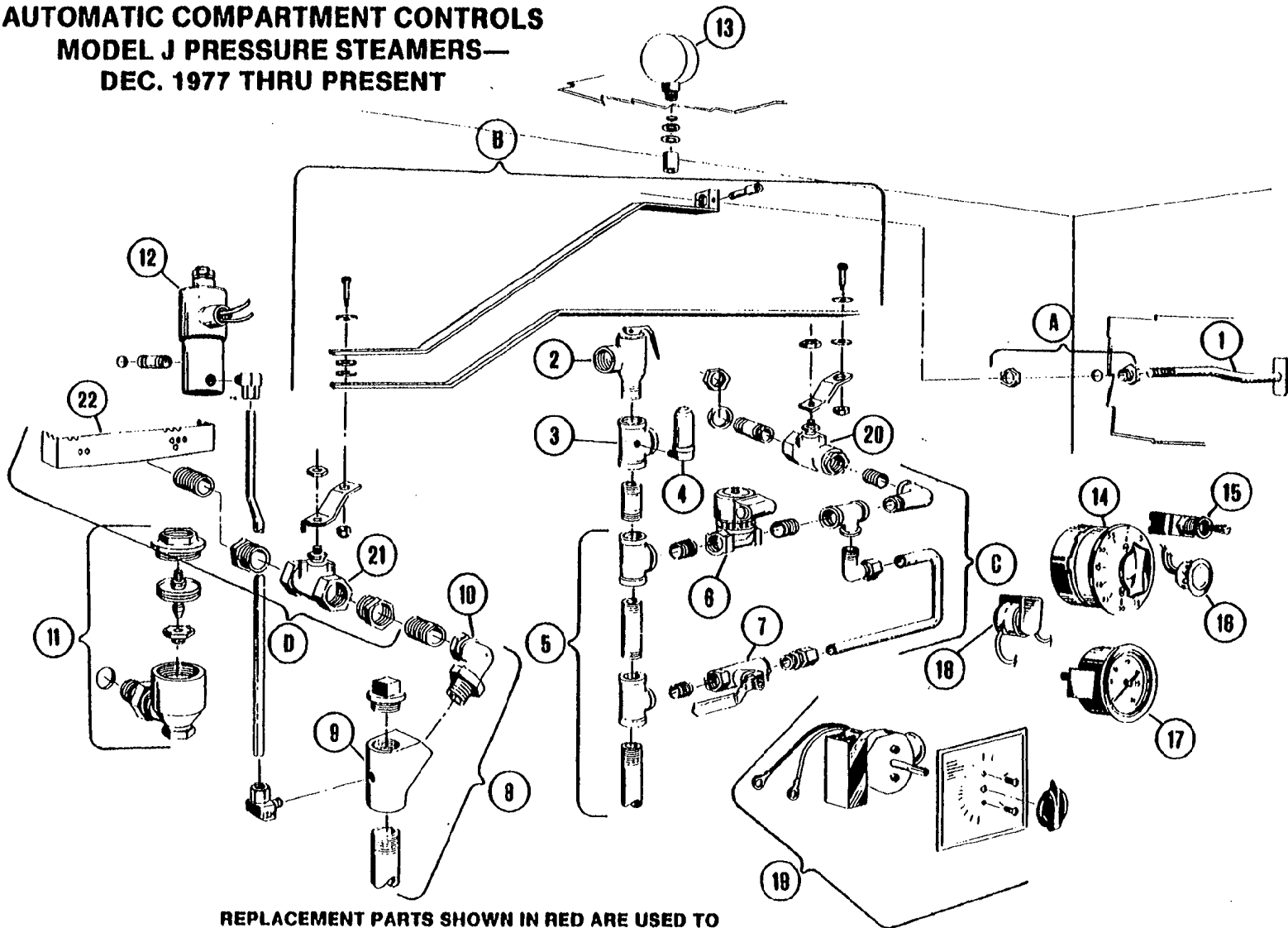
REFERENCE NUMBER	PART NUMBER	DESCRIPTION
1	40850	Pull Rod Handle
2	22130	Valve, Safety, 8 PSI
3	70411	Tea, Special 3/4"
4	22140	Air Vent
5	42278	Inlet Manifold Ass'y.—2-Compt.—Mech. "J", Less Valves
	42277	Inlet Manifold Ass'y.—3-Compt.—Mech. "J", Less Valves
6	07173	Gauge, Pressure, Rear Mount, 0-30 PSI
7	42288	Exhaust Manifold Ass'y.—2-Compt., Model "J", Less Valves
	42289	Exhaust Manifold Ass'y.—3-Compt., Model "J", Less Valves
	02146	"Y" Bend
9	05263	Ell, 3/4" Radiator Union
10	20551	Thermostatic Trap—Plain End
11	05252	Ell, 1/2" Street
12	22212	Valve, 1/2" Ball, Inlet Steam
13	22213	Valve, 1" Butterfly, Exhaust Steam
14	41100	Drain Cover Screen
A	43765	Bushing Ass'y.
B	40879	Linkage Ass'y., Model "J"
C	42697	Conversion Kit, Inlet Valve—"J" Mech., Includes: 1/2" Inlet Steam Valve, 1/2" Street Elbow, 1/2" x 6" Nipple, 1/2" x 2 1/4" Special Nipple, (2) Locknuts, (2) Sealing Washers
D	40710	Conversion Kit, Exhaust Valve, Includes: 1" Exhaust Steam Valve, (2) 1" x 3/4" Bushings, 3/4" Close Nipple, Drain Cover Screen.

**NOTE: FOR SAFETY PURPOSES, DRAIN SCREEN COVER MUST BE IN PLACE WHEN OPERATING EQUIPMENT.**

**AUTOMATIC COMPARTMENT CONTROLS  
MODEL J PRESSURE STEAMERS—  
DEC. 1977 THRU PRESENT**

LTHO IN USA 1082

CLEVELAND RANGE CO., 1333 EAST 179th ST., CLEVELAND, OHIO 44110  
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REPLACEMENT PARTS SHOWN IN RED ARE USED TO  
CONVERT OLDER STEAMERS, BUILT BEFORE DEC. 1977,  
WHICH CONTAINED GATE VALVES. (GROUPS A, B, C, D.)

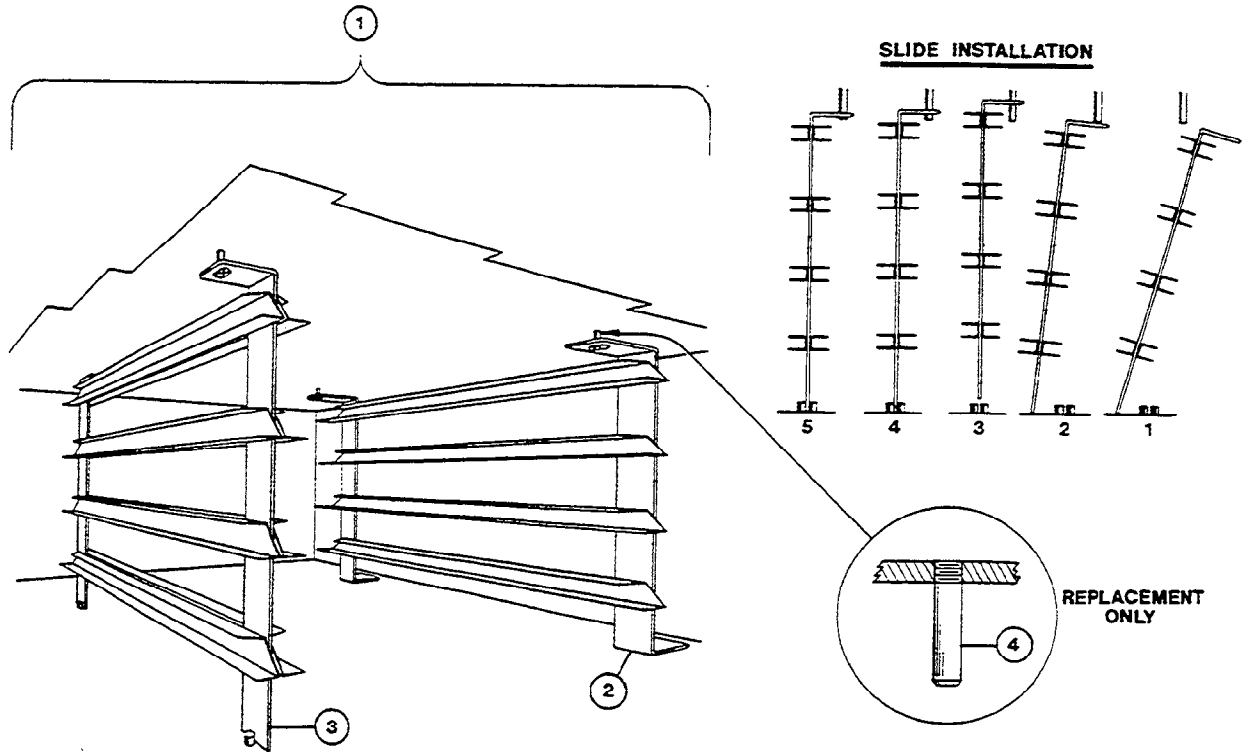
CLEVELAND RANGE CO., 1333 EAST 179th ST., CLEVELAND, OHIO 44110  
 Manufacturer reserves right of design improvement or modification, as warranted.

## AUTOMATIC COMPARTMENT CONTROLS MODEL J PRESSURE STEAMERS—DEC. 1977 THRU PRESENT

REFERENCE NUMBER	PART NUMBER	DESCRIPTION
1	40850	Pull Rod Handle
2	22130	Valve, Safety, 8 PSI
3	70411	Tee, Special ¾"
4	22140	Air Vent
5	42286	Inlet Manifold Ass'y.—2-Compt.—Auto "J", Less Valves
	42297	Inlet Manifold Ass'y.—3-Compt.—Auto "J", Less Valves
6	22115	Valve, ½" Steam Inlet Solenoid
7	03278	Valve, Steam By-Pass
8	42288	Exhaust Manifold Ass'y.—2-Compt., Model "J", Less Valves
	42289	Exhaust Manifold Ass'y.—3-Compt., Model "J", Less Valves
9	43764	"Y" Bend—with ¼" Tapped Hole
10	05263	Elb, ¾" Radiator Union
11	20551	Thermostatic Trap—Plain End
12	22199	¼" Solenoid Valve, Auto Exhaust, 115 Volt, For Use With 40518 Timer
	22185	¼" Solenoid Valve, Auto Exhaust, 115 Volt, For Use With 40540 Timer
13	07172	Gauge, Pressure, Bottom Mount, 0-30 PSI
14	40518	Timer, 60 Min. Mechanical (Mfg. #70000)
15	19977	Switch—SPST
16	12161	Light, Signal
17	07173	Gauge, Pressure, Rear Mount, 0-30 PSI
18	41350	Buzzer
19	40540	Timer, 105 Min. (Mfg. 601)
20	22212	Valve, ½" Ball, Inlet Steam
21	22213	Valve, 1" Butterfly, Exhaust Steam
22	41100	Drain Cover Screen
A	43765	Bushing Ass'y.,
B	40879	Linkage Ass'y., Model "J"
C	40712	Conversion Kit, Inlet Valve—"J" Auto, Includes: ½" Inlet Steam Valve, ½" Street Elbow, ¾" Tube Fing., ¾" — 90° Tube Fing., (2) ½" Close Nipples, ½" x 2¼" Special Nipple, ½" x ½" x ¾" Tee, ¾" x 12" Tube, (2) Locknuts, (2) Sealing Washers
D	40710	Conversion Kit, Exhaust Valve, Includes: 1" Exhaust Steam Valve, (2) 1" x ¾" Bushings, ¾" Close Nipple, Drain Cover Screen.

**NOTE: FOR SAFETY PURPOSES, DRAIN SCREEN COVER MUST BE IN PLACE WHEN OPERATING EQUIPMENT**

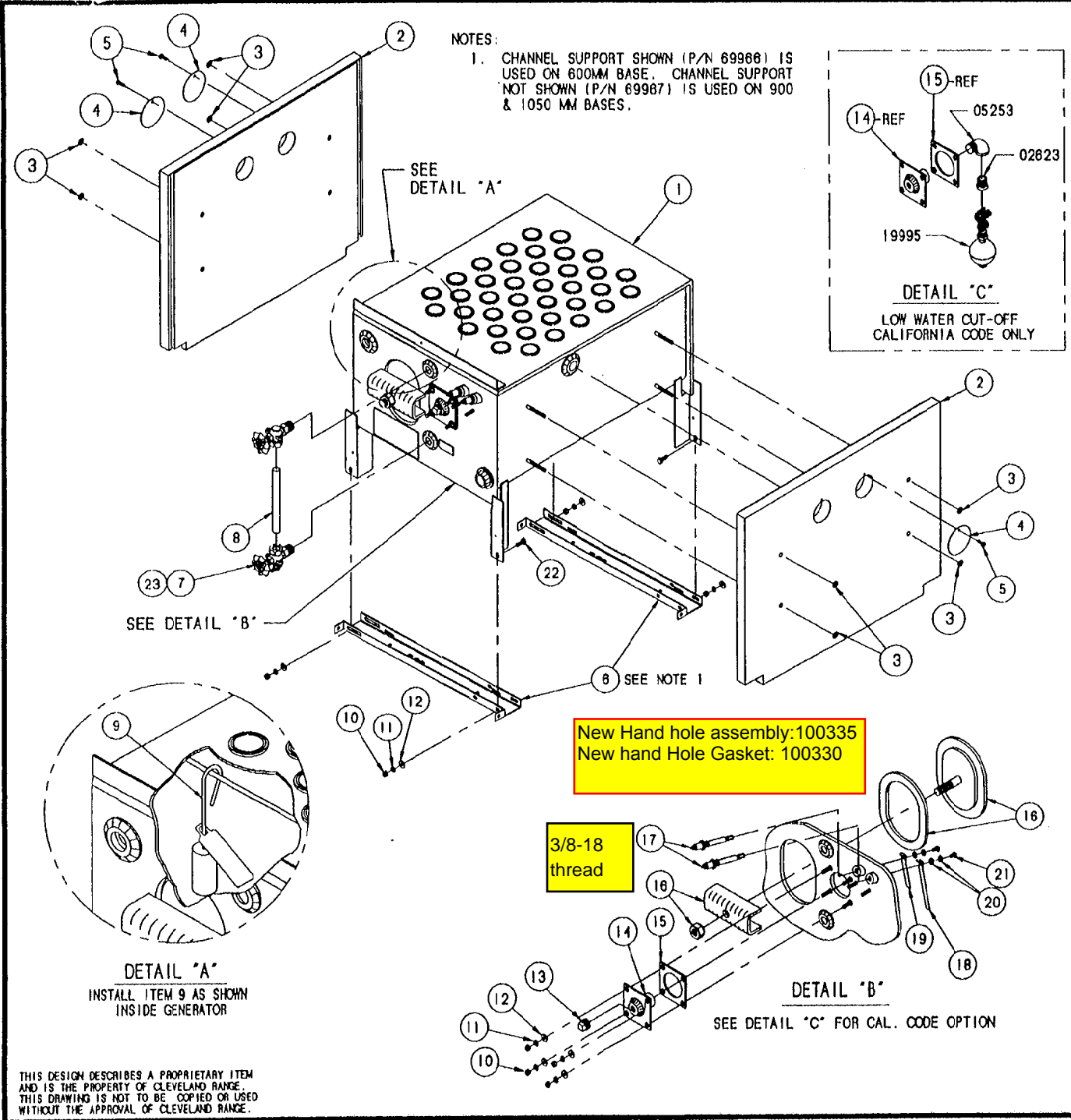
## MODELS J AND K PRESSURE STEAMER SLIDE SETS



REFERENCE NUMBER	PART NUMBER	DESCRIPTION
1	41440	Pan Support Slide Set, Model J Complete
	41442	Pan Support Slide Set, Model K Complete
2	41430	Right or Left Side Slide Rack, 2 Per Compt Req'd, Model J
	41432	Right or Left Side Slide Rack, 2 Per Compt Req'd, Model K
3	41435	Center Slide Rack Model J, 1 Req'd Per Compt
	41437	Center Slide Rack Model K, 1 Req'd Per Compt
4	19909	Replacement Top Studs (Screw-In) J or K (Set of 6)

CLEVELAND RANGE, INC., 1333 EAST 179th ST., CLEVELAND, OHIO 44110

Manufacturer reserves right of design improvement or modification, as warranted.



Float assembly with timer: 109564  
 Time Delay Kit for Float: 107234  
 Timer only: 107212

NO.	QTY.	PART NO.	DESCRIPTION
23	A/R	00934	SEALANT, RECTORSAL
22	4	19288	SCREW, HEX HEAD, 1/4-20 X 3/4
21	2	19218	SCREW, HEX HEAD, 1/4-20 X 3/8 S/S
20	4	23151	WASHER, INTERNAL TOOTH LOCK, 1/4
19	1	82452	EXTENSION, WATER PROBE 1/2 X 3-1/8
18	1	82453	EXTENSION, WATER PROBE, 1/2 X 4-5/8
17	2	18871	PROBE WARRICK, 4-5/16" LG
16	1	40421	HAND HOLE PLATE & BAR ASSM
15	1	07128	GASKET, HEATER
14	1	41943	PLATE, MOUNTING
13	1	18802	PLUG, SQUARE 1/2 PIPE, BLACK
12	8	23118	WASHER, FLAT, 1/4 S/S
11	8	23105	WASHER, SPLIT LOCK, 1/4 S/S
10	8	14818	NUT, HEX, 1/4 - 20 S/S
9	1	43895	ANODE ASSM CORROSION PREVENTATIVE
8	1	07302	GAUGE, WATER, 5/8 X 8, GLASS
7	1	07176	GAUGE, FITTINGS, WATER, 1/2"
6	-	89980	SUPPORT, GEN. MTG. CHANNEL 600MM S/S
5	3	89987	SUPPORT, GEN MTG CHANNEL 900/1050MM
4	3	19148	SCREW, HEX WASH HD. #10 X 1/2
3	8	105539	DISK, HOLE COVER, SIDE INSL. PANEL
2	-	14263	FASTENER, PUSHNUT, 1/4" STUD DIA.
1	1	100980	PANEL, INSULATION ASM, RT/LT LP
		100980	PANEL, INSULATION ASM, RT/LT NAT GAS
		407241	GENERATOR ASSY, GAS-WELDMENT

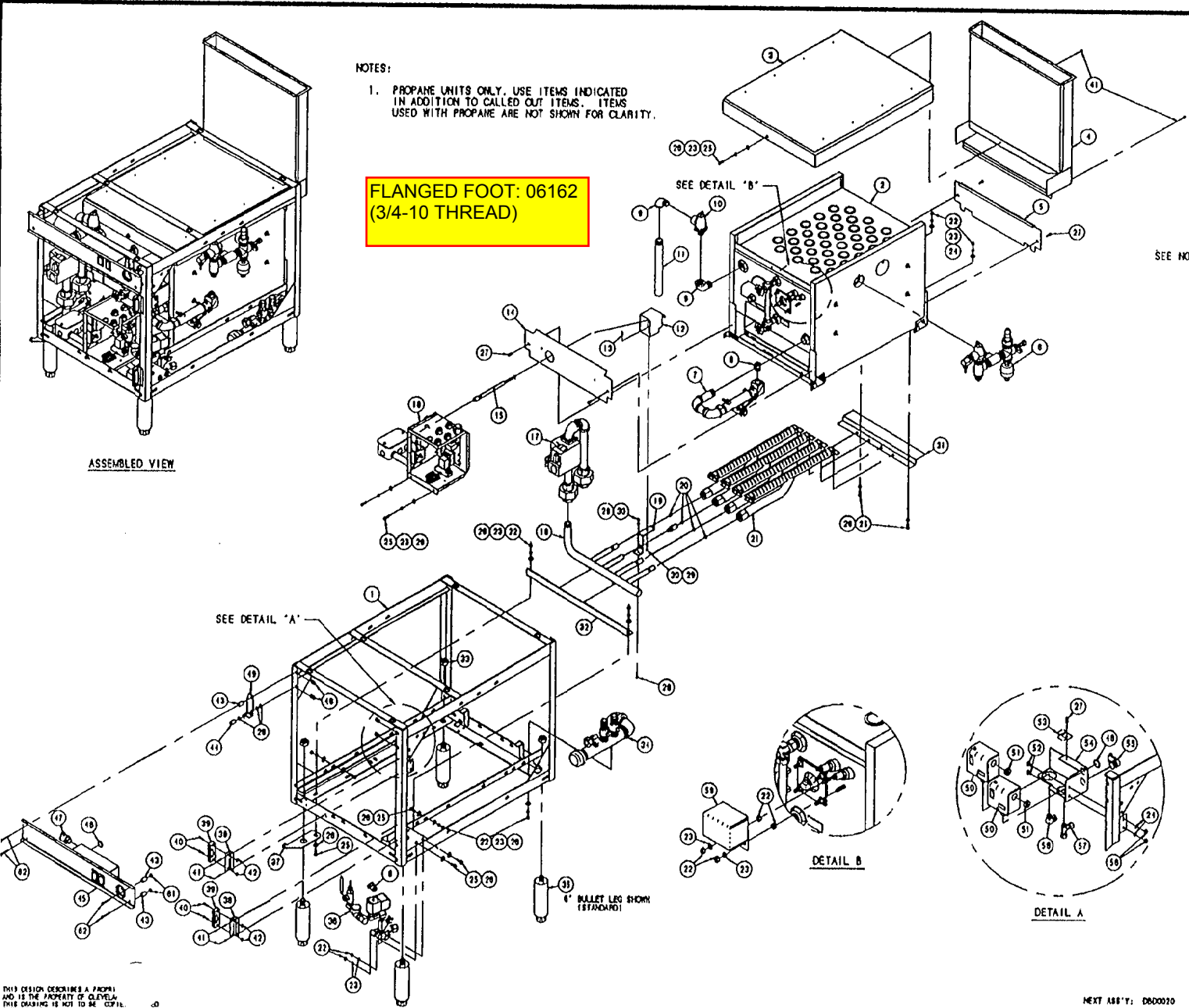
TOLERANCES (EXCEPT AS NOTED)		CLEVELAND RANGE INC.		
		1333 East 179th St., Cleveland, Ohio 44110-2374		
DECIMAL ± N/A	SCALE 3/16	DRAWN BY GRIVEAS	APPROVED BY MLT	
ANGULAR ± N/A	TITLE GAS GENERATOR ASSEMBLY 3/4 BURNER, W/ REFERENCE PARTS			
DATE CK 08-11-93	DRAWING NO. C-407241WP	REV. -		

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 P/A 1004M, P/A 20116 BAS	05-20-91/EG	
-	QTY(23), P/A (00199 BAS 1-10)		
-	P/A E.O. 12-2013		

NOTES:  
 1. PROPANE UNITS ONLY. USE ITEMS INDICATED IN ADDITION TO CALLED OUT ITEMS. ITEMS USED WITH PROPANE ARE NOT SHOWN FOR CLARITY.

**FLANGED FOOT: 06162  
(3/4-10 THREAD)**



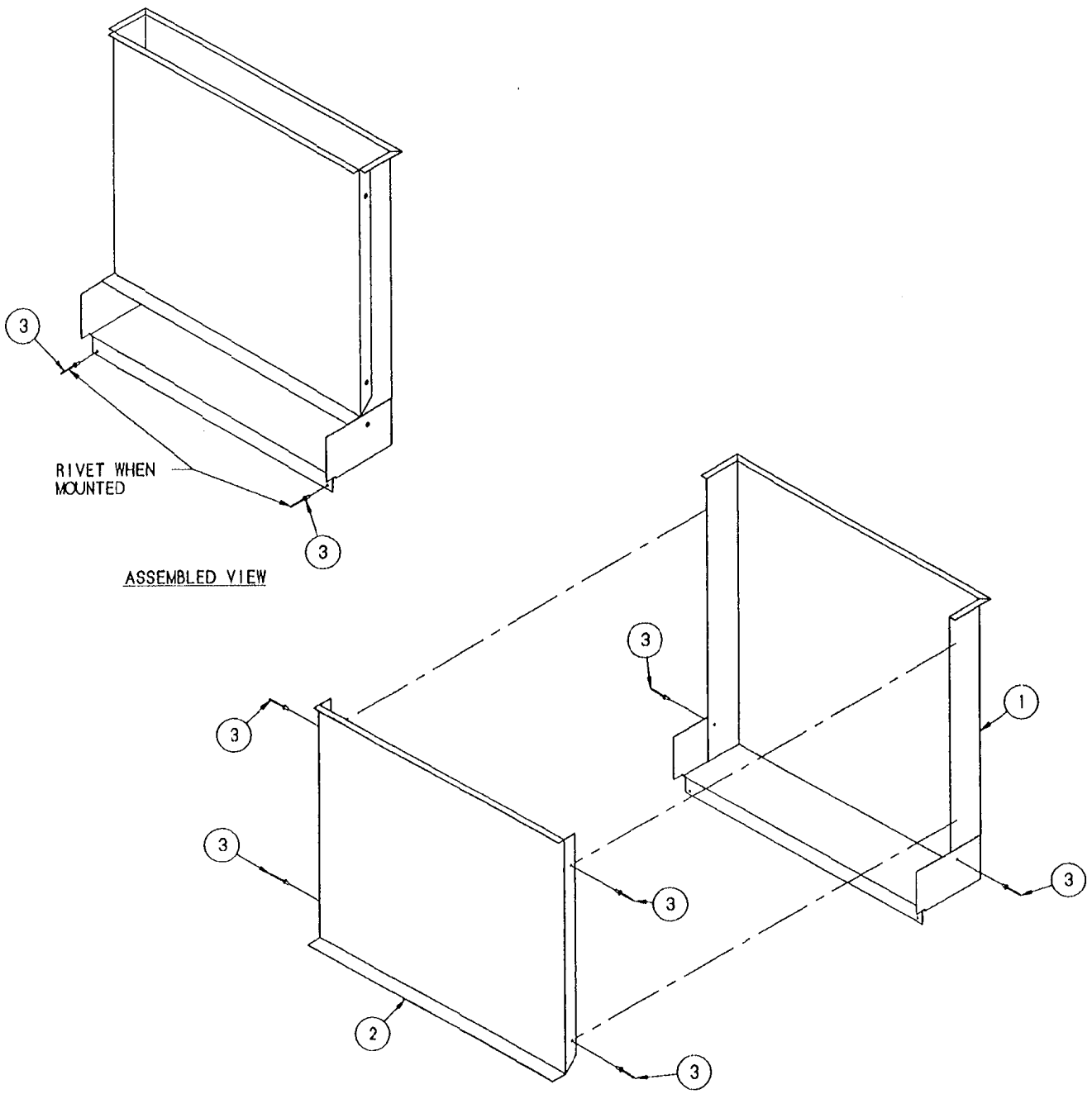
SEE NOTE 1

QTY	LET.	DESCRIPTION	
42	4	1004M	SCRUB, WASH TO, TRIP, 10-21 X 1 1/2
41	1	13312	SPACER, 1/8\"/>

CLEVELAND RANGE INC.			
1333 East 179th St., Cleveland, Ohio 44110-2074			
DESIGNED BY	SCALE	DRAWN BY	APPROVED BY
REVISED BY	5/22-1	E	
TITLE	BASE ASSC		MATOR.
	400 MM.		BTU
DATE	DRAWING NO.		REV.
05-22-91	D - 01-0004		A

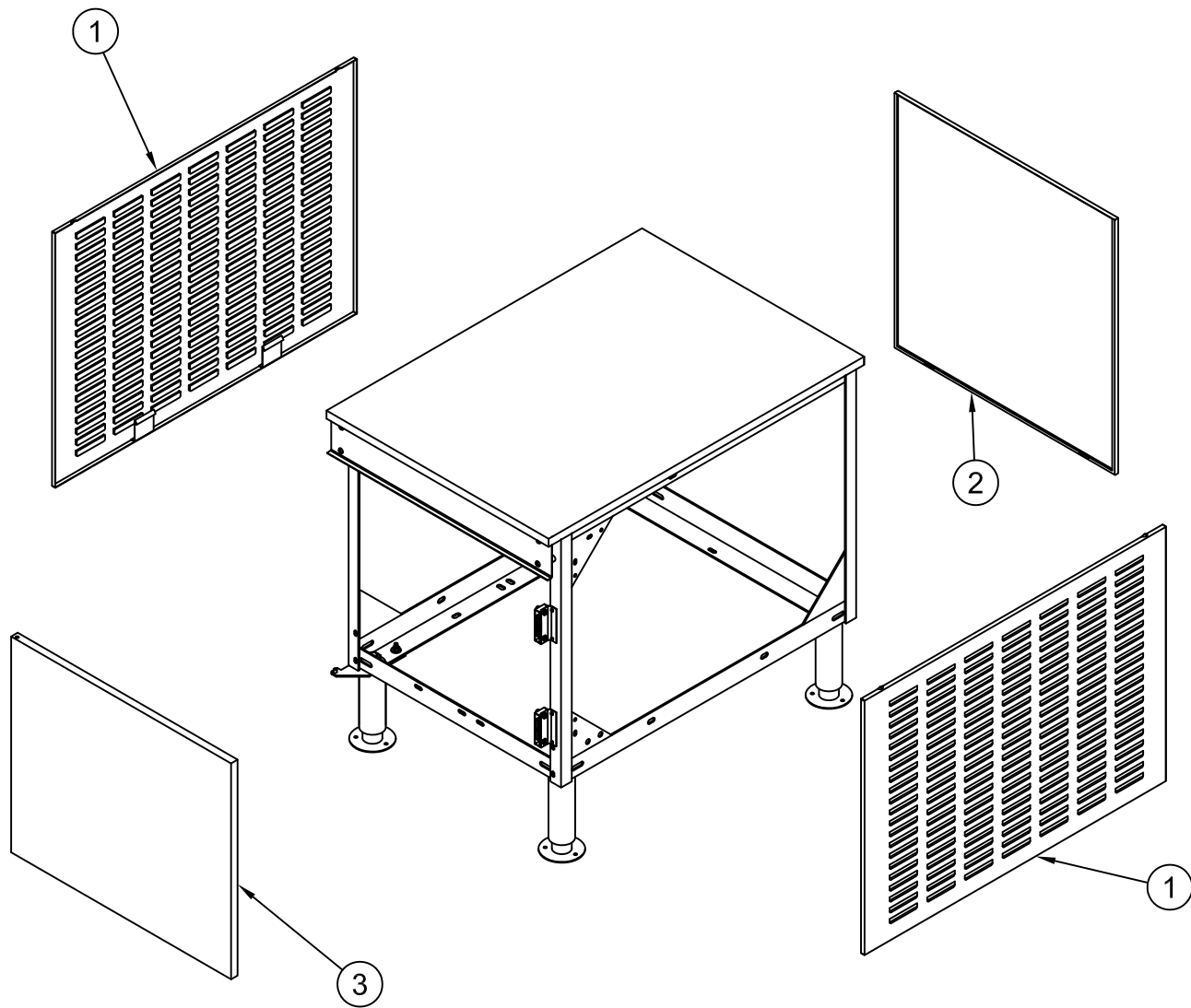
THIS DESIGN DESCRIBES A PROPANE AND IS THE PROPERTY OF CLEVELAND RANGE INC. THIS DRAWING IS NOT TO BE COPIED WITHOUT THE APPROVAL OF CLEVELAND RANGE INC.

NEXT ASSY: 0600020

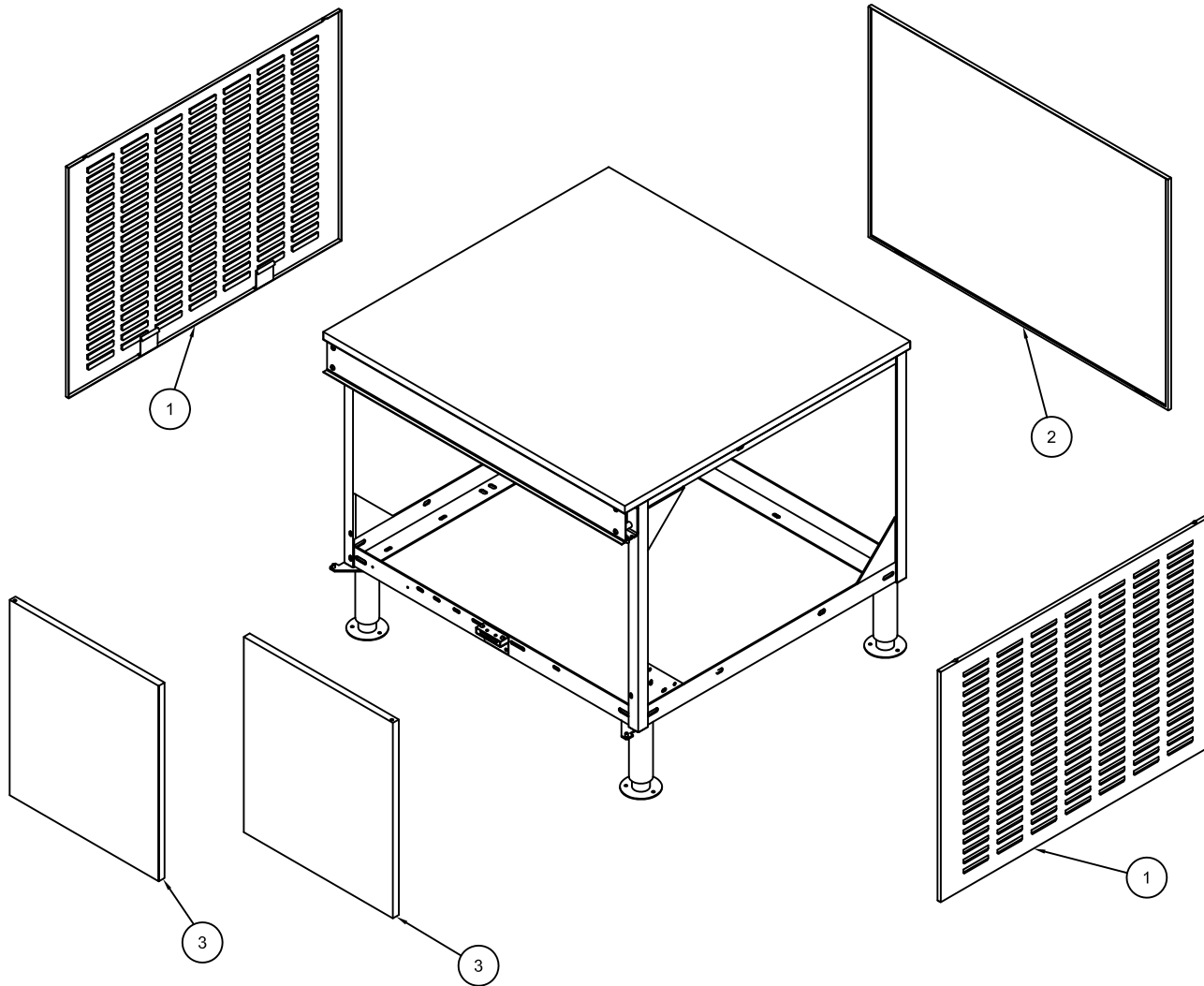


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3	8	18357	RIVET, FLUSH BREAK, 1/8" DIA
2	1	101131	PANEL, FRONT, INT FLUE RISER
1	1	101132	PANEL, REAR, INT. FLUE RISER
ITEM	QTY	PART NO.	DESCRIPTION
<b>CLEVELAND RANGE INC.</b> 1339 East 179th St. Cleveland, Ohio 44110-2874			
DECIMAL	SCALE	DRAWN BY	APPROVED BY
± N/A	1/4±1	E. GRIVY	
ANGULAR	TITLE	INTERNAL	
± N/A	FLUE RISER AS	3/4 BURN.	
DATE	DRAWING NO.	REV.	
11.00.00	C - 101130		



-	1	110572	DOOR, BASE, 600MM, PRISON
3	1	110570	DOOR, BASE, 600MM
-	1	1050641	PANEL, REAR, PRISON
2	1	105064	PANEL, REAR
-	2	1015271	PANEL, SIDE, PRISON
1	2	101527	PANEL, SIDE

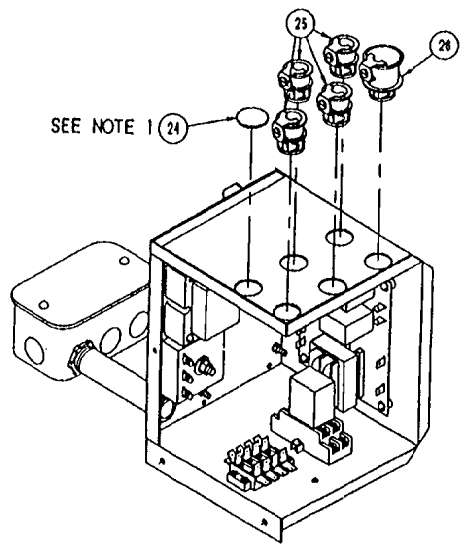


-	1	1105931	DOOR, BASE, PRISON
-	1	100595	DOOR, BASE, PRISON
3	2	110593	DOOR, BASE, 450/900MM
-	1	1050651	PANEL, REAR, PRISON
2	1	105065	PANEL, REAR
-	2	1015271	PANEL, SIDE, PRISON
1	2	101527	PANEL, SIDE

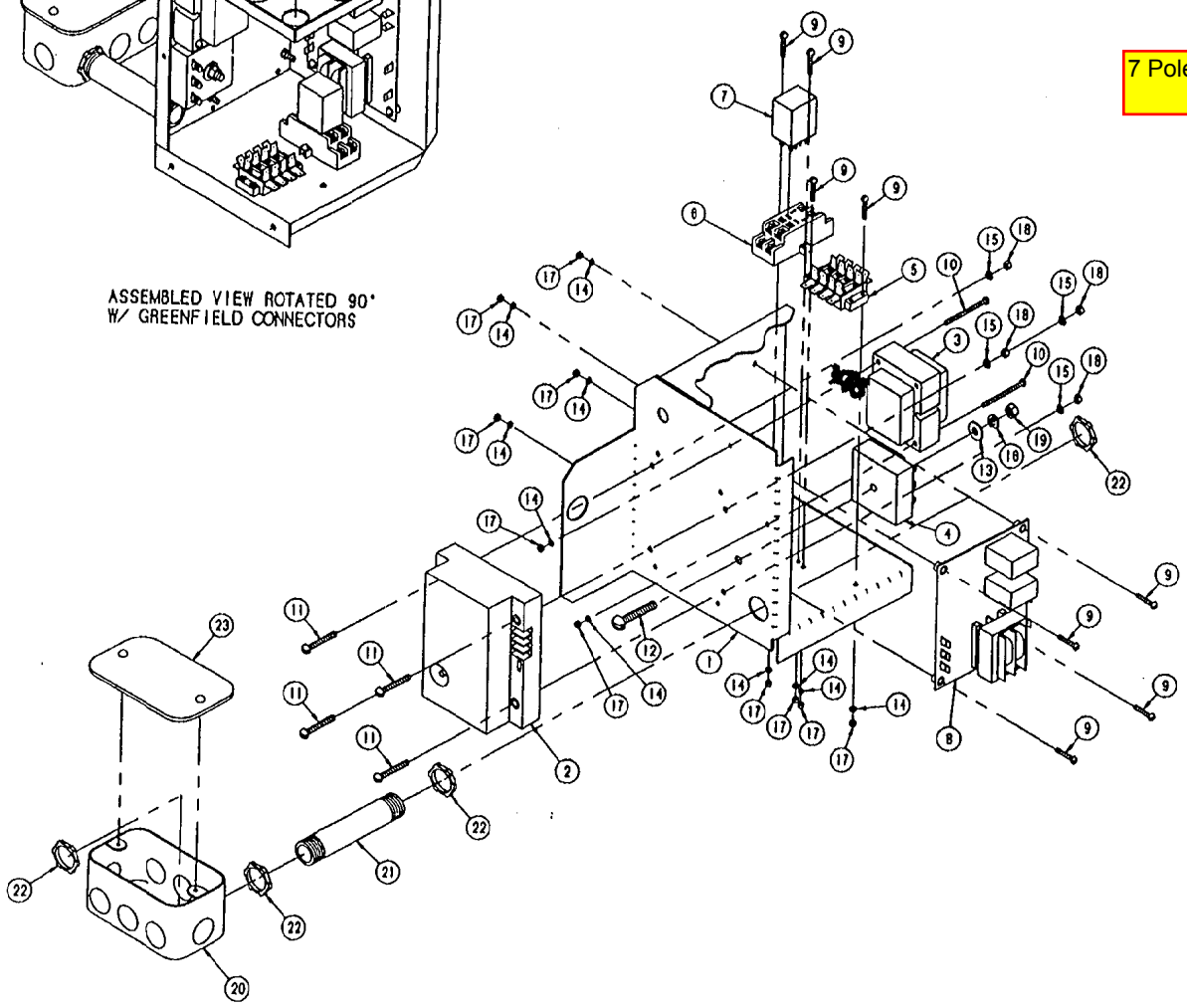
LET.	REVISIONS	DATE	BY

NOTES:  
 1. REMOVE P/N 19329 WHEN CAL. CODE / LWCO IS USED (SEE B.O.M. FOR APPROPRIATE CONNECTOR).

SEE NOTE 1



ASSEMBLED VIEW ROTATED 90°  
 W/ GREENFIELD CONNECTORS



Cover 66037

7 Pole Terminal Block 109797

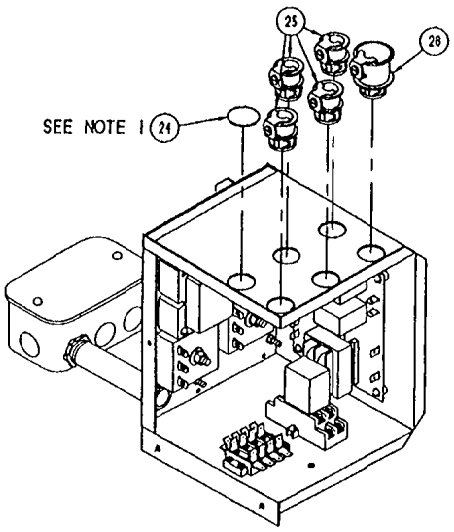
ITEM	QTY.	PART NO.	DESCRIPTION
28	1	105248	CONNECTOR, GREENFIELD, 1/2" SHAPTE
25	4	105243	CONNECTOR, GREENFIELD, 3/8" SHAPTE
24	1	19329	PLUG, SNAP-IN, 1/2" FOR 7/8" HOLE
23	1	02888	COVER, HANDI-BOX
22	4	14814	NUT, LOCK, 1/2", ELECTRICAL
21	1	14334	NIPPLE, 1/2" x 4", BLACK
20	1	02381	BOX, HANDI-BOX, ELECTRICAL
19	1	14818	NUT, HEX, 1/4"-20, S/S, FULL FINISH
18	4	14598	NUT, HEX, 8-32, ZINC PLATED
17	10	14874	NUT, HEX, 6-32, ZINC PLATED
16	1	23105	WASHER, SPLIT LOCK, 1/4", S/S
15	4	101337	WASHER, INTERNAL TOOTH LOCK, #8
14	10	23111	WASHER, INTERNAL TOOTH LOCK, #6
13	1	23116	WASHER, FLAT, 1/4" ID x .065" THK
12	1	19285	SCREW, ROUND HEAD, 1/4"-20 x 1.5", S/S
11	8	19150	SCREW, ROUND HEAD SLOTTED, 8-32 x 1.25"
10	4	19149	SCREW, ROUND HEAD SLOTTED, 6-32 x 1.75"
9	2	19183	SCREW, ROUND HEAD SLOTTED, 6-32 x .75"
8	1	23198	CONTROL, WATER LEVEL
7	1	03524	RELAY, 120 V, 30/60Hz, AC, DPDT
6	1	03525	SOCKET, RELAY
5	1	44184	TERMINAL BLOCK ASM. - 4 POLE, GAS UNITS
4	1	20478	TIMER, SOLID STATE INTERVAL, 3 MINUTE
3	1	20258	TRANSFORMER - SPARK IGNITION SUPPLY
2	1	03548	CONTROL, MODULE, DIRECT SPARK IGNITION
1	1	44139	BOX, WELDMENT, ELECTRIC FOR GAS, 2 PROBE

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.

TOLERANCES (UNLESS AS SHOWN)			
CLEVELAND RANGE INC. 1333 East 178th St. Cleveland, Ohio 44110-2374			
DECIMAL + N/A	SCALE 3/8"=1	DRAWN BY E. GRIVEAS	APPROVED BY
ANGULAR + N/A	TITLE BOX, ELECTRIC ASSEMBLY GAS - 2 PROBE		
DATE 2-15-94	DRAWING NO. C - 10092901	REV. -	

LET.	REVISIONS	DATE	BY

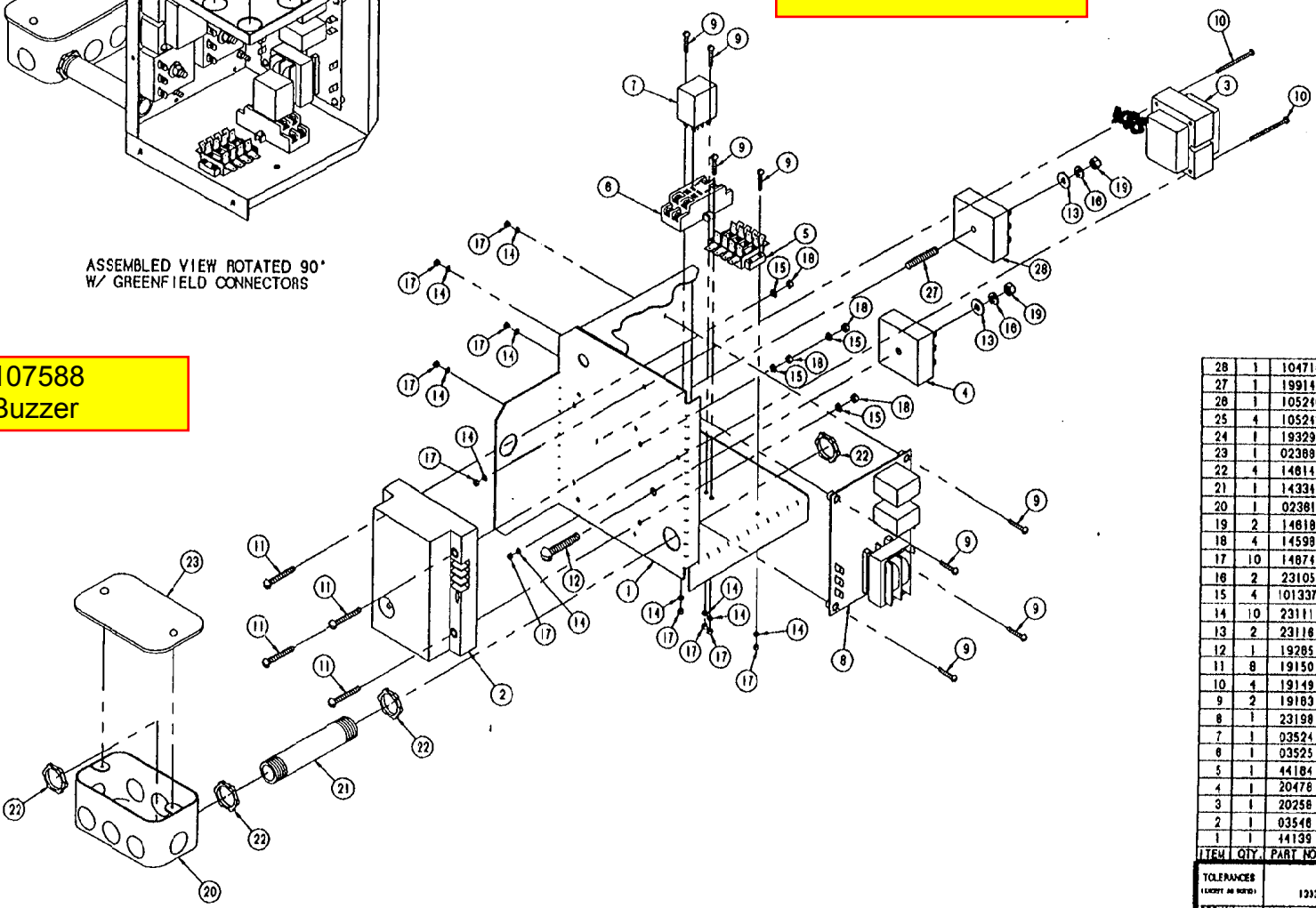
NOTES:  
 1. REMOVE P/N 19329 WHEN CAL. CODE / LWOD IS USED (SEE B.O.M. FOR APPROPRIATE CONNECTOR).



ASSEMBLED VIEW ROTATED 90°  
 W/ GREENFIELD CONNECTORS

7 Pole Terminal Block 109797

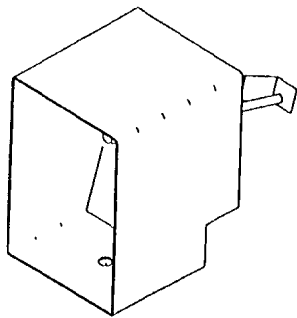
107588  
 Buzzer



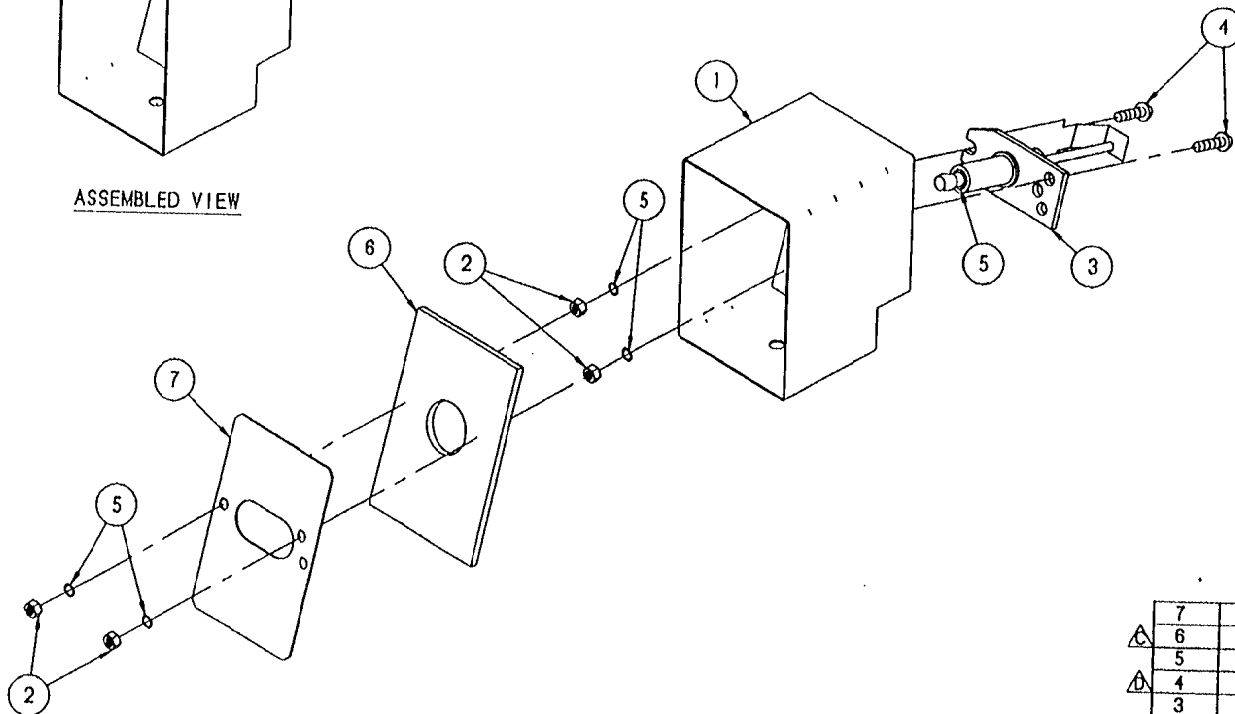
ITEM	QTY	PART NO.	DESCRIPTION
28	1	104716	TIMER, RECYCLING, GENERATOR W/BLOWDOWN
27	1	19914	STUD, WELD, STYLE F, 1/4-20 X 1-1/2, S/S
28	1	105246	CONNECTOR, GREENFIELD, 1/2" SNAP-TITE
25	4	105243	CONNECTOR, GREENFIELD, 3/8" SNAP-TITE
24	1	19329	PLUG, SNAP-IN, 1/2" FOR 7/8" HOLE
23	1	02388	COVER, HANDI-BOX
22	4	14814	NUT, LOCK, 1/2", ELECTRICAL
21	1	14334	NIPPLE, 1/2" x 4", BLACK
20	1	02381	BOX, HANDI-BOX, ELECTRICAL
19	2	14818	NUT, HEX, 1/4-20, S/S, FULL FINISH
18	4	14598	NUT, HEX, 8-32, ZINC PLATED
17	10	14874	NUT, HEX, 8-32, ZINC PLATED
18	2	23105	WASHER, SPLIT LOCK, 1/4", S/S
15	4	101337	WASHER, INTERNAL TOOTH LOCK, #8
14	10	23111	WASHER, INTERNAL TOOTH LOCK, #8
13	2	23116	WASHER, FLAT, 1/4" ID x .085" THK
12	1	19285	SCREW, ROUND HEAD, 1/4-20 x 1.5", S/S
11	8	19150	SCREW, ROUND HEAD SLOTTED, 8-32 x 1.25"
10	4	19149	SCREW, ROUND HEAD SLOTTED, 8-32 x 1.75"
9	2	19183	SCREW, ROUND HEAD SLOTTED, 8-32 x .75"
8	1	23198	CONTROL, WATER LEVEL
7	1	03524	RELAY, 120 V, 50/60Hz, AC, DPDT
8	1	03525	SOCKET, RELAY
5	1	44184	TERMINAL BLOCK ASM. - 4 POLE, GAS UNITS
4	1	20478	TIMER, SOLID STATE INTERVAL, 3 MINUTE
3	1	20258	TRANSFORMER - SPARK IGNITION SUPPLY
2	1	03548	CONTROL, MODULE, DIRECT SPARK IGNITION
1	1	44139	BOX, WELDMENT, ELECTRIC FOR GAS, 2 PROBE

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TOLERANCES (UNLESS SHOWN OTHERWISE)		CLEVELAND RANGE INC. 1233 East 175th St., Cleveland, Ohio 44110-2174	
DECIMAL	SCALE	DRAWN BY	APPROVED BY
± N/A	3/8"=1	E. GRIVEAS	
ANGULAR	TITLE	BOX, ELECTRIC, AS W/INTERMITTENT BLOWDOWN, 2 PROBE	
± N/A	DATE	DRAWING NO.	REV
OK	2-15-94	C - 10092902	



ASSEMBLED VIEW



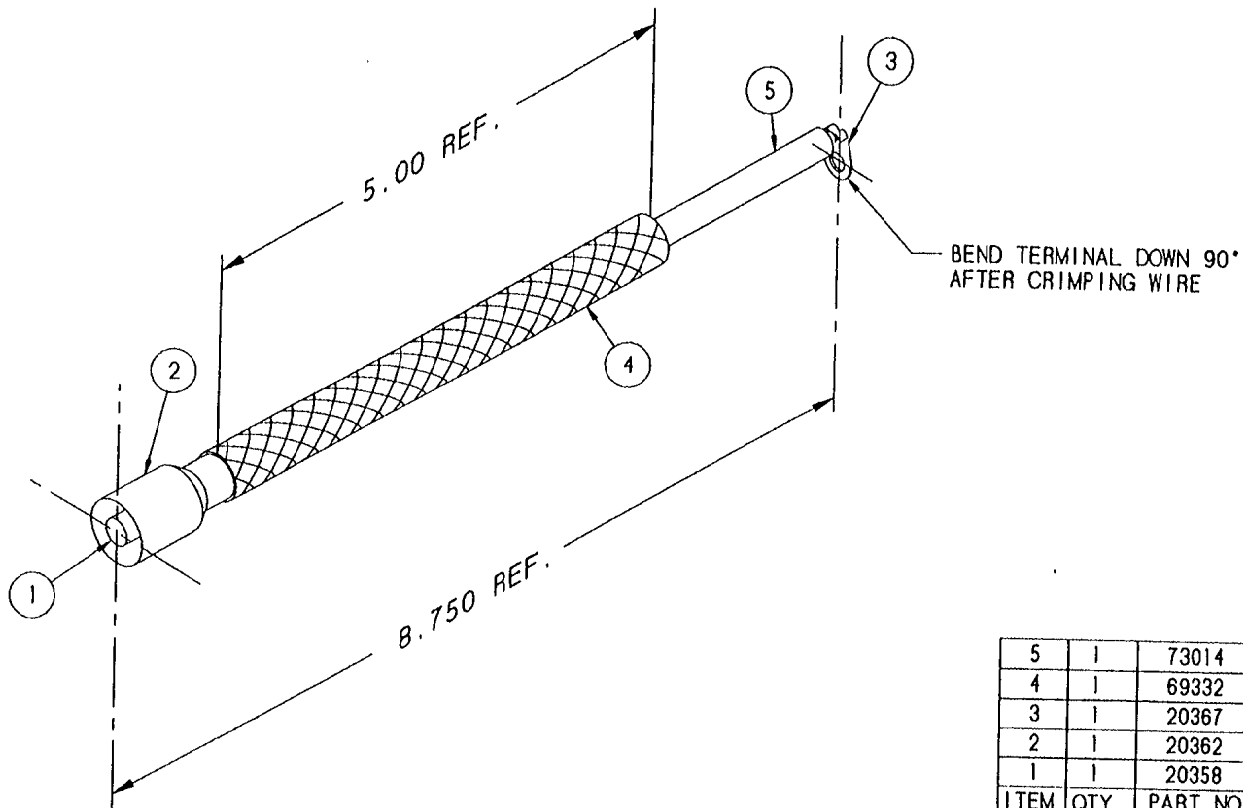
LET.	REVISIONS	DATE	BY
A	WAS C-44097	1-24-84	NEAL
B	ITEM 1 WAS C-52823, ECN 1054	3-6-86	DP
C	ADD P/N B-100314 FOR ITEM 6	3-12-86	DP
D	REDRAW WAS C SIZE, P/N 19163 WAS 19259, E.O. # C-2558	2-7-94	EAG

ITEM	QTY.	PART NO.	DESCRIPTION
7	1	88149	RETAINER, INSULATION
6	1	100314	INSULATION, IGNITOR BOX
5	5	23111	WASHER, LOCK, INTERNAL TOOTH, #6
4	2	19163	SCREW, #8-32 x .75" LG.
3	1	05101	ELECTRODE, COMBINATION IGNITOR/SENSOR
2	4	14674	NUT, #8-32, HEX
1	1	52808	BOX, IGNITOR, GEN. GAS, 2 PROBE

TOLERANCES (EXCEPT AS NOTED)		CLEVELAND RANGE INC. 1333 East 179th St. Cleveland, Ohio 44110-2574	
DECIMAL ± N/A	SCALE 5/8=1	DRAWN BY E. LAWRENCE	APPROVED BY E. HENDESS
ANGULAR ± N/A	TITLE BOX ASM, IGNITOR		
CK	DATE 12-6-94	DRAWING NO. B - 44096	REV. D

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.

**Ignition Wire 44169**

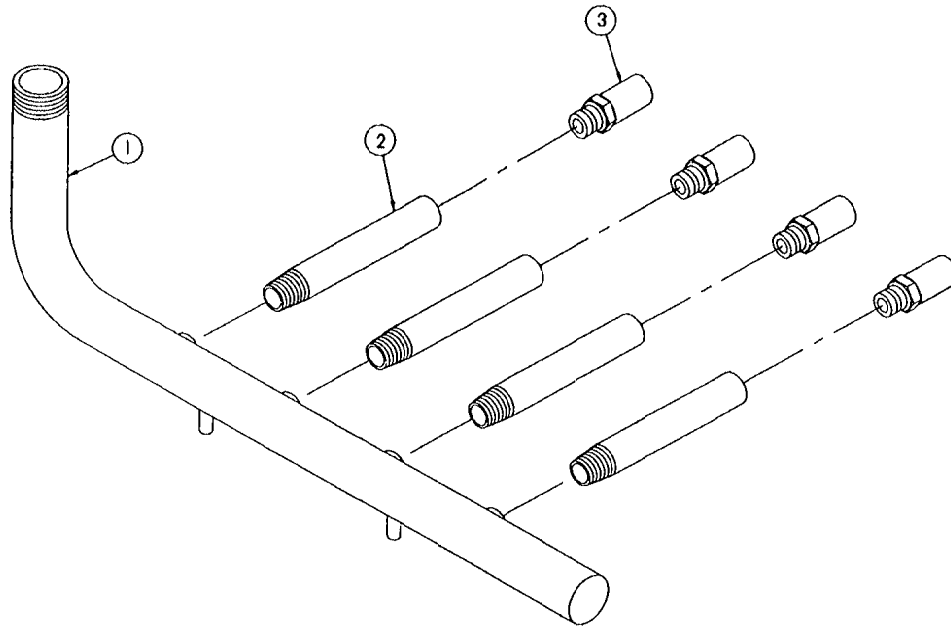
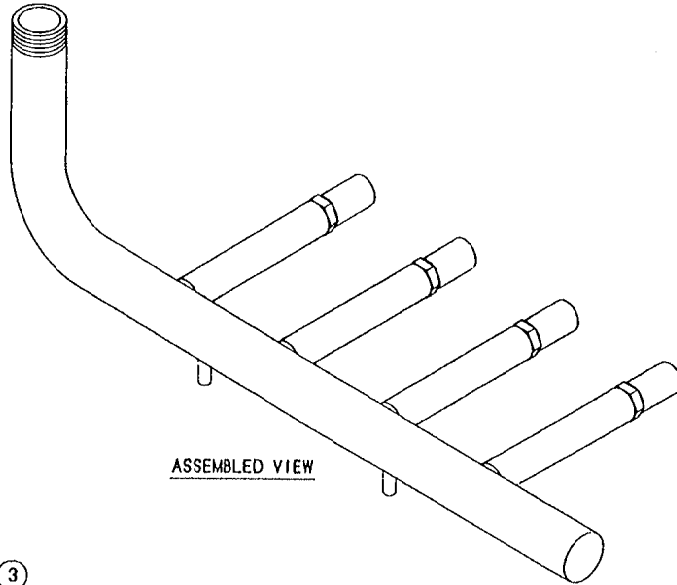


LET.	REVISIONS	DATE	BY
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ITEM	QTY.	PART NO.	DESCRIPTION
5	1	73014	WIRE, RADIX, 9" LONG
4	1	69332	SLEEVE, FIBERGLASS 5" INSULATING
3	1	20367	TERMINAL RING-#6, NON-INSULATED
2	1	20362	INSULATOR, RED SILICONE
1	1	20358	TERMINAL, IGNITION CABLE

TOLERANCES (EXCEPT AS NOTED)		CLEVELAND RANGE INC. 1333 East 179th St. Cleveland, Ohio 44110-2574	
DECIMAL ± N/A	SCALE 1=1	DRAWN BY E. GRIVEAS	APPROVED BY
ANGULAR ± N/A	TITLE CABLE, IGNITION ASSEMBLY		
CK	DATE 11-09-93	DRAWING NO. B 44169	REV. -

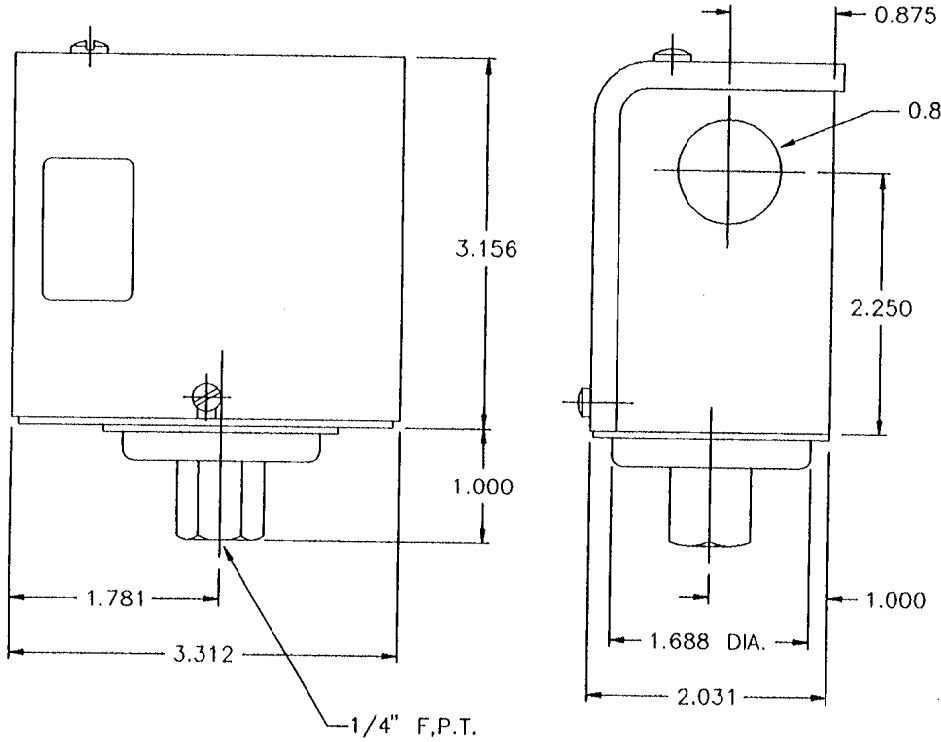
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3	4	19832	SPUDS, ORIFICE HOLDER, 5/8"
2	4	83180	EXTENSION, GAS MANIFOLD
1	1	83177	MANIFOLD, TUBE, 4 BURNER, GAS
ITEM QTY.		PART NO.	DESCRIPTION
<b>TOLERANCES</b> <small>(EXCEPT AS NOTED)</small>			
<b>CLEVELAND RANGE INC.</b> 1333 East 178th St., Cleveland, Ohio 44110-2374			
DECIMAL ± N/A	SCALE 5/8=1	DRAWN BY E. GRIVEAS	APPROVED BY
ANGULAR ± N/A	TITLE	MANIFOLD, ASSM, R/B 4 BURNER, GAS, 200 KBTU	
CK	DATE 11-10-93	DRAWING NO. C - 40920	REV. -

LET.	REVISIONS	DATE	BY
A	REVISED ADJ. OPERATING RANGE SPEC.	11-28-84	RMC
-	WAS: 0.5 TO 9 PSI,	-	-
B	WAS: ADDITIVE DIFFERENTIAL	07-07-86	TS
C	WAS: ADJ. DIFFERENTIAL: 1 TO 5 PSI, E.O. #C-2276	07-31-92	DJP
D	MODEL NO. WAS PA404A (SUBTRACTIVE DIFFERENTIAL)	10-13-92	NLT
	E.O. #2276R1		



**SPECIFICATIONS:**

PRESSURE ACTUATED HIGH LIMIT SAFETY CONTROL FOR STEAM HEATING BOILERS.  
 BREAKS AN ELECTRICAL CIRCUIT ON PRESSURE RISES.  
 MAX. OPERATING PRESSURE: 20 PSI  
 MAX. AMBIENT TEMPERATURE: 150° F.  
 ELECTRICAL RATING: 8.0 F.L.A. AT 120V. AC  
 SWITCH: PRESSURE ACTUATED SPST, SNAP-ACTION  
 ADJUSTMENT MEANS: OPERATING RANGE SET POINT-SCREW ON TOP OF CASE; DIFFERENTIAL SET POINT-DIAL INSIDE OF CASE.  
 ADJUSTABLE OPERATING RANGE: 3 TO 15 PSI.  
 ADJUSTABLE DIFFERENTIAL: 1 TO 5 PSI; FACTORY SET AT 1 PSI  
 SWITCH ACTION ON PRESSURE FALL: MAKES AT SET POINT MINUS DIFFERENTIAL.  
 SWITCH ACTION ON PRESSURE RISE: BREAKS AT SET POINT.  
 MOUNTING MEANS: 1/4" FEMALE PIPE THREADS

Ⓐ  
 Ⓑ  
 Ⓒ

Manual Reset Pressure Switch: 19955

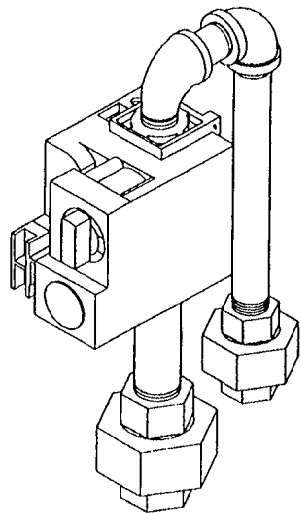
**APPROVED SOURCE**

- 1. HONEYWELL  
 MODEL NO. PA404A-1066 Ⓛ  
 U.L. FILE NO. MP466  
 C.S.A. FILE NO. LR1620

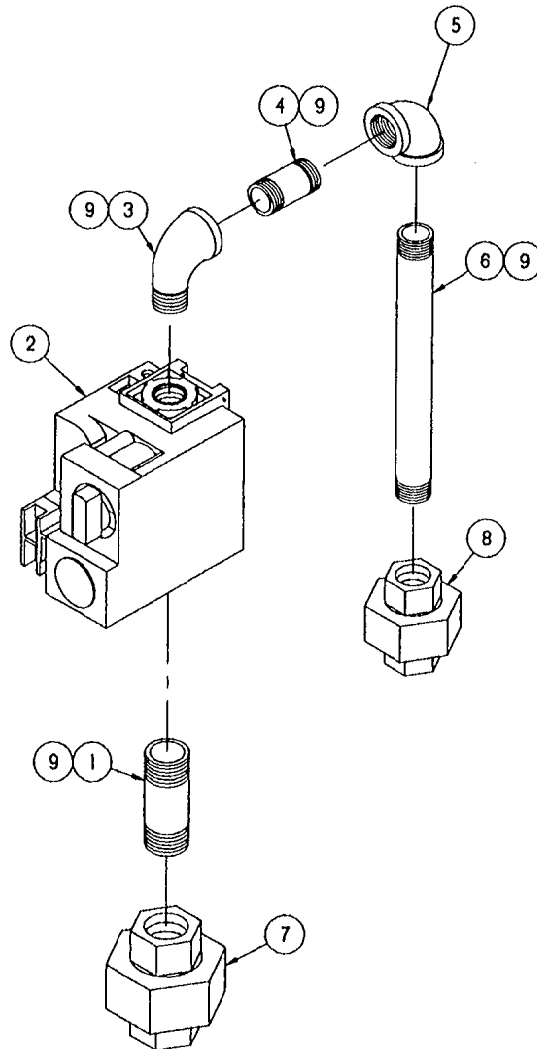
ITEM	QTY	PART NO.	DESCRIPTION
TOLERANCES (EXCEPT AS NOTED)		<b>CLEVELAND RANGE INC.</b> 1333 East 179th St. Cleveland, Ohio 44110-2574	
DECIMAL ± -	SCALE 1=1	DRAWN BY RJB	APPROVED BY
ANGULAR ± 1°	TITLE CONTROL, PRESSURE		
AC	DATE 09-08-76	DRAWING NO. B-19947	REV n

THIS DESIGN DRAWING IS 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
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ASSEMBLED VIEW

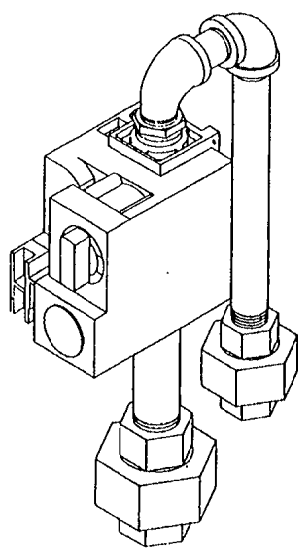


9	A/R	00934	SEALANT, RECTORSEAL
8	1	21302	UNION, BLACK, 1/2"
7	1	21305	UNION, 3/4", BLACK
6	1	14340	NIPPLE, 1/2" x 7.5" LG., BLACK
5	1	05249	ELBOW, 1/2", 90°, BLACK
4	1	14325	NIPPLE, 1/2" x 1-1/2", BLACK
3	1	05252	ELBOW, STREET, 90°, 1/2"
2	1	22228	VALVE, GAS CONTROL, NATURAL GAS
1	1	14345	NIPPLE, 3/4" x 2-1/2", BLACK
ITEM	QTY.	PART NO.	DESCRIPTION

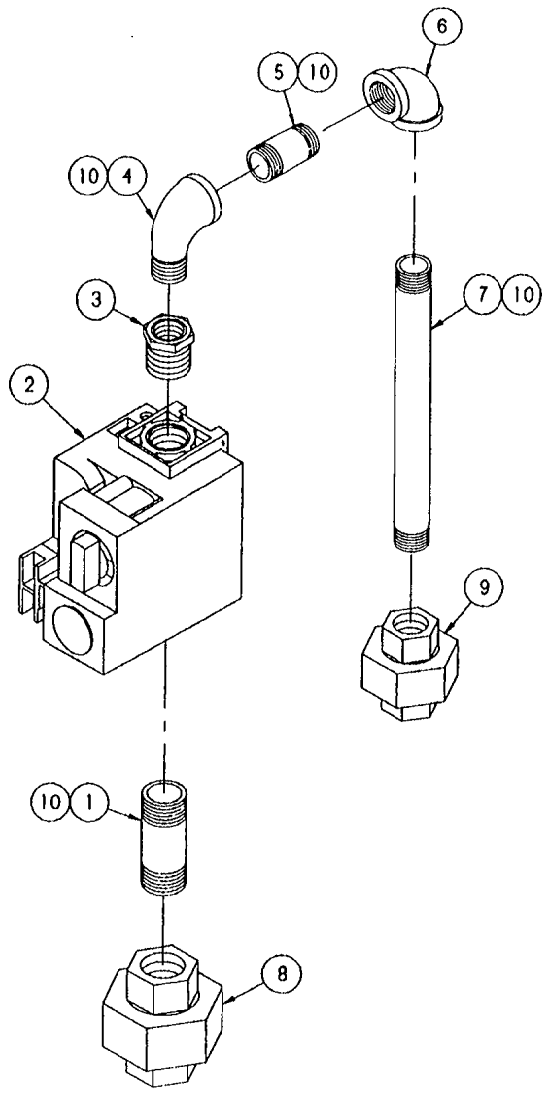
<b>TOLERANCES</b> <small>(EXCEPT AS NOTED)</small>				<b>CLEVELAND RANGE INC.</b> 1333 East 179th St. Cleveland, Ohio 44110-2574			
DECIMAL	SCALE	DRAWN BY	APPROVED BY	<b>TITLE</b> VALVE ASSEMBLY, NATURAL GAS- 100/200 BTU			
± N/A	3/8=1	E. GRIVEAS	NLT				
ANGULAR				DATE	DRAWING NO.	REV.	
± N/A				CK	11-08-93	B - 43663	-

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
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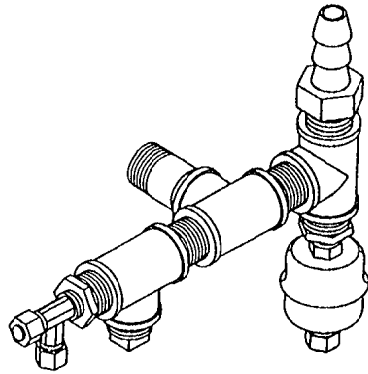
ASSEMBLED VIEW



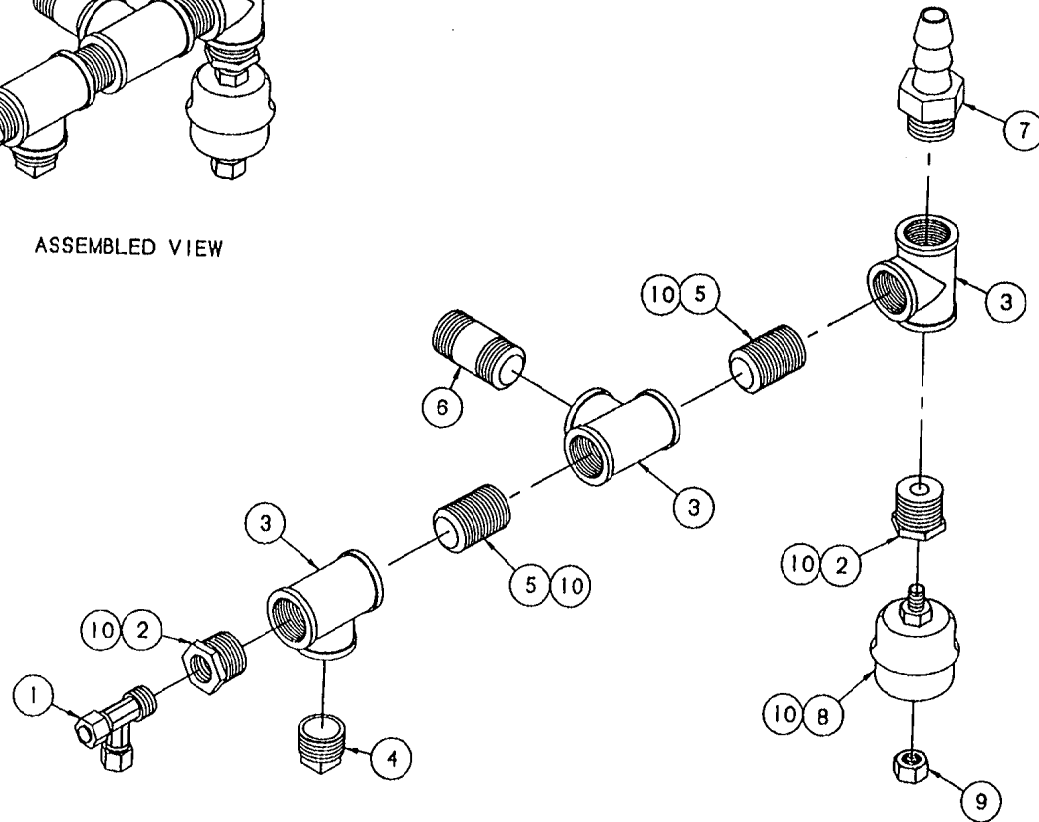
ITEM	QTY.	PART NO.	DESCRIPTION
10	A/R	00934	SEALANT, RECTORSEAL
9	1	21302	UNION, BLACK, 1/2"
8	1	21305	UNION, 3/4", BLACK
7	1	14340	NIPPLE, 1/2" x 7.5" LG., BLACK
6	1	05249	ELBOW, 1/2", 90°, BLACK
5	1	14325	NIPPLE, 1/2" x 1-1/2", BLACK
4	1	05252	ELBOW, STREET, 90°, 1/2", BLACK
3	1	02565	BUSHING, HEX, 3/4 X 1/2, BLACK
2	1	22231	VALVE, GAS CONTROL, FOR LP
1	1	14345	NIPPLE, 3/4" x 2-1/2", 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 E. GRIVEAS	APPROVED BY NLT
ANGULAR ± N/A	TITLE VALVE ASSEMBLY, LIQUID PROPANE 100/200 BTU		
CK	DATE 11-08-93	DRAWING NO. B - 436	REV. -

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ASSEMBLED VIEW

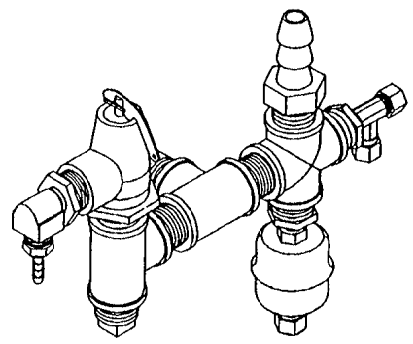


ITEM	QTY.	PART NO.	DESCRIPTION
10	A/R	00934	SEALANT, RECTORSEAL
9	1	14681	MUT, COMPRESSION, 1/4 TUBE, BRASS
8	1	101207	TRAP, THERMOSTATIC, 1/4" X 1/4"
7	1	06240	FITTING, HOSE BARB 3/4 HOSE X 3/4 MPT BRASS
6	1	14431	NIPPLE, 3/4 X 2, BRASS
5	2	14342	NIPPLE, 3/4 X CLOSE, BRASS
4	1	18807	PLUG, SQUARE HEAD, 3/4, BRASS
3	3	20208	TEE, 3/4 BRASS
2	2	02563	BUSHING, REDUCING, 3/4 X 1/4, BRASS
1	1	100883	FITTING, COMPR., TEE 3/8T X 3/8MPT X 3/8T

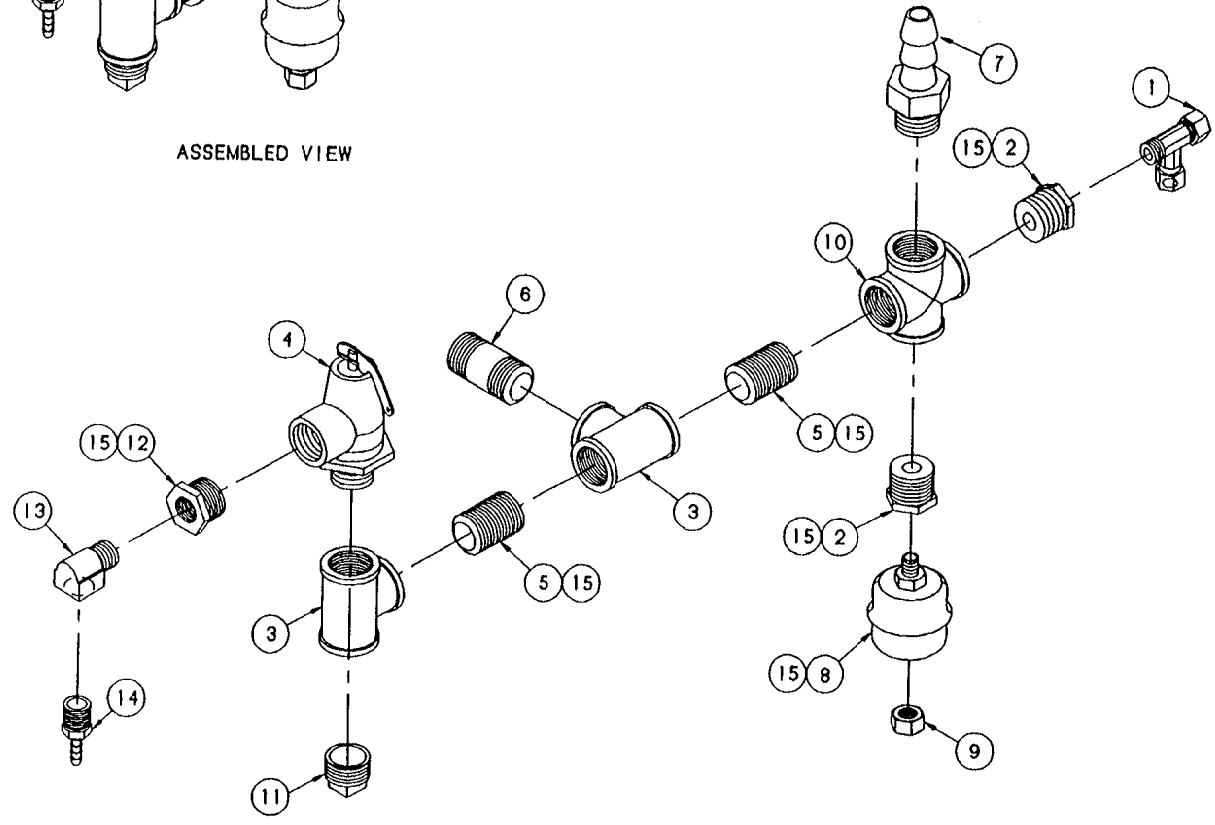
<b>CLEVELAND RANGE INC.</b> 1333 East 179th St. Cleveland, Ohio 44110-2574			
TOLERANCES (EXCEPT AS NOTED)	SCALE 1/2=1	DRAWN BY E. GRIVEAS	APPROVED BY MLT
DECIMAL ± N/A	TITLE STEAM OUTLET ASSEMBLY REV. BEND GENERATOR (REV. 2)		
ANGULAR ± N/A	DATE 10-07-93	DRAWING NO. C - 42R122	REV.

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.

Weeper valve 22247



ASSEMBLED VIEW



ITEM	QTY.	PART NO.	DESCRIPTION
15	A/R	00934	SEALANT, RECTORSEAL
14	1	104382	FITTING, HOSE BARB, 1/4" H X 3/8" MPT
13	1	05280	ELBOW, STREET, 3/8" BRASS
12	1	02575	BUSHING, REDUCING, 3/4" X 3/8", BRASS
11	1	18807	PLUG, SQUARE HEAD, 3/4", BRASS
10	1	03732	CROSS, 4-WAY 3/4" BRASS
9	1	14881	NUT, COMPRESSION, 1/4 TUBE, BRASS
8	1	101207	TRAP, THERMOSTATIC, 1/4" X 1/4"
7	1	06240	FITTING, HOSE BARB 3/4 HOSE X 3/4 MPT BRASS
6	1	14431	NIPPLE, 3/4 X 2, BRASS
5	1	14342	NIPPLE, 3/4 X CLOSE, BRASS
4	1	101035	VALVE, SAFETY, 3/4", 12 PSI
3	2	20208	TEE, 3/4 BRASS
2	2	02583	BUSHING, REDUCING, 3/4 X 1/4, BRASS
1	1	100883	FITTING, COMPR., TEE 3/8T X 1/4MPT X 3/8T

TOLERANCES (UNLESS OTHERWISE SPECIFIED)  
 DECIMAL ± N/A  
 ANGULAR ± N/A

SCALE 1/2=1  
 TITLE STEAM OUTLET ASSEMBLY  
 SM GAS, 600MM

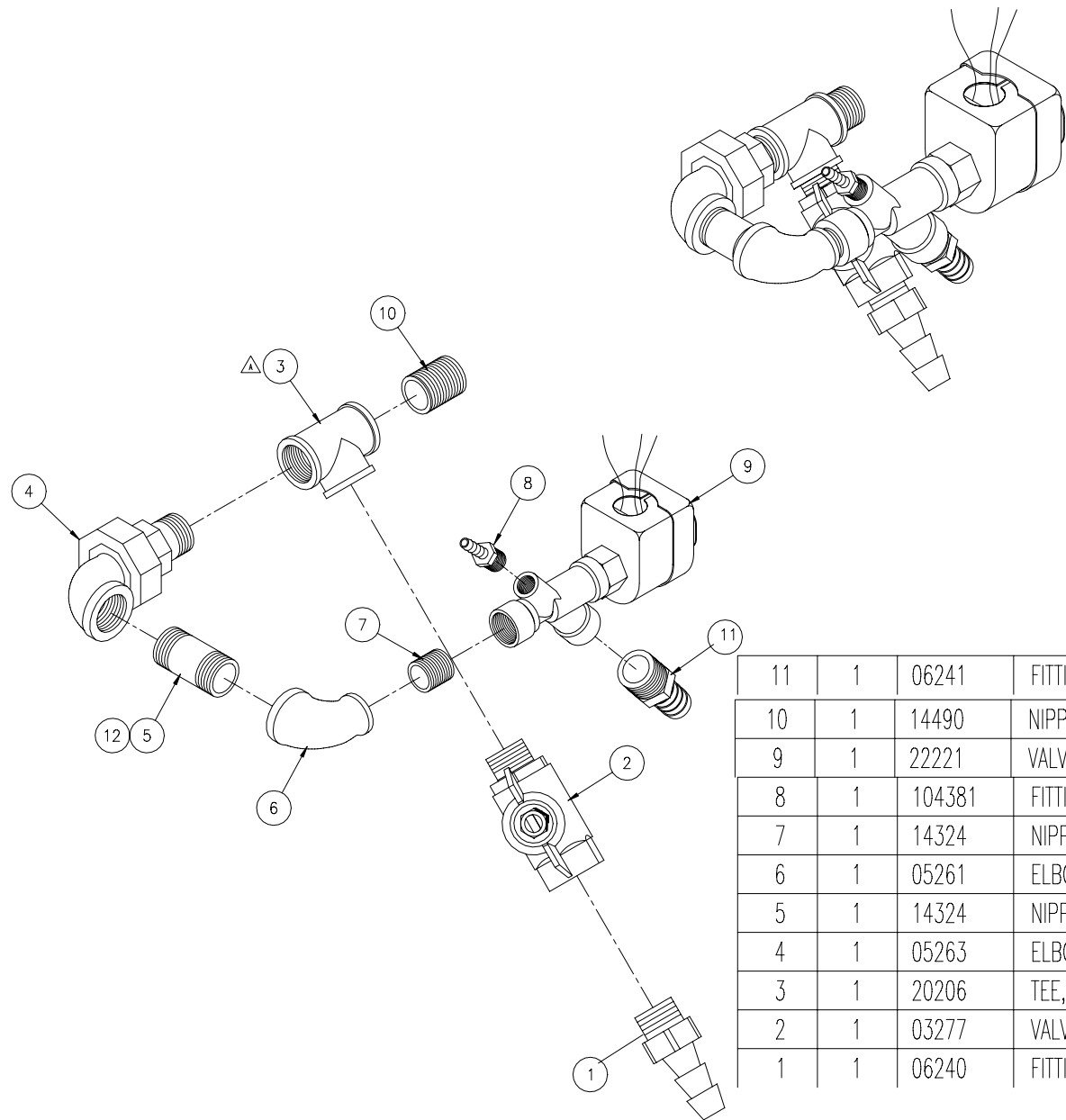
CLEVELAND RANGE INC.  
 1333 East 179th St. Cleveland, Ohio 44110-2574

DRAWN BY EAG  
 APPROVED BY DLD

DATE 1-21-94  
 DRAWING NO. C - 125  
 REV. -



LET.	REVISIONS	DATE	BY
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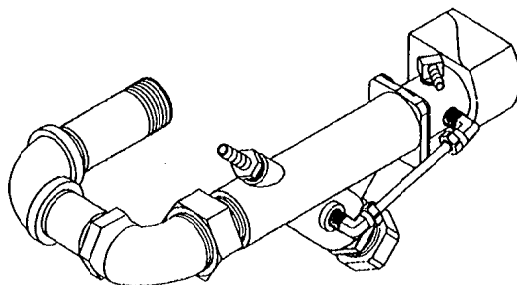
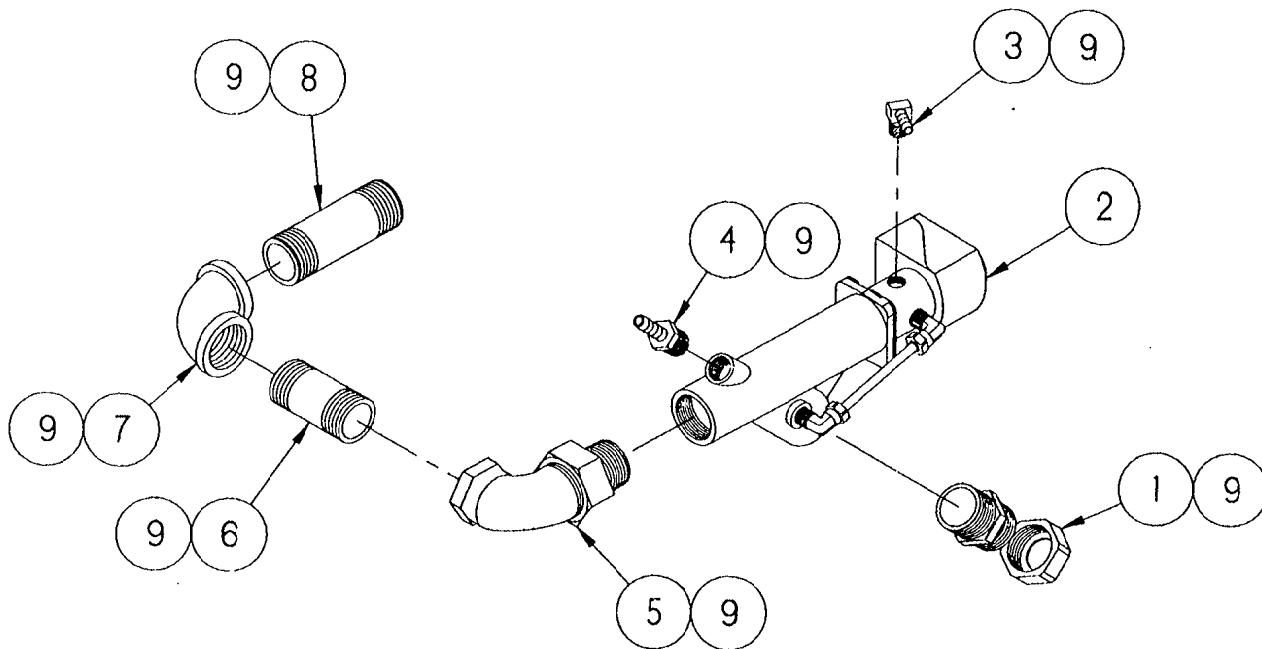


11	1	06241	FITTING, HOSE BARB, 3/4"H x 1/2"MPT
10	1	14490	NIPPLE, 3/4" x CLOSE, S/S
9	1	22221	VALVE, ASCO HV220649
8	1	104381	FITTING, HOSE BARB, 1/4"H x 1/4" NPT
7	1	14324	NIPPLE, 1/2" x CLOSE, BRASS
6	1	05261	ELBOW, 3/4" x 1/2" x 90°
5	1	14324	NIPPLE, 3/4" x 2", BRASS
4	1	05263	ELBOW, 90° RADIATOR, 3/4"
3	1	20206	TEE, 3/4", BRASS
2	1	03277	VALVE, BALL, 3/4" (W/OUT HANDLE)
1	1	06240	FITTING, HOSE BARB, 3/4"H x 3/4" MPT

ITEM	QTY	PART NO.	DESCRIPTION
<b>CLEVELAND RANGE, LLC</b>			
1333 East 179th St., Cleveland, Ohio 44110-2574			
<small>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.</small>			
TOLERANCES (UNLESS OTHERWISE NOTED)	DO NOT SCALE PRINTED DRAWING	DRAWN BY S.MILEWSKI	DATE 7-18-91
DECIMAL ±.030	TITLE PIPING ASSEMBLY, BLOWDOWN 600 MM, GAS		
ANGULAR ± 1°	SIZE C	DRAWING NO. 40811	SHEET 1 OF 1 REV J

NOTES:  
1. PARTS MUST BE ROTATED TO ILLUSTRATED ANGLES.

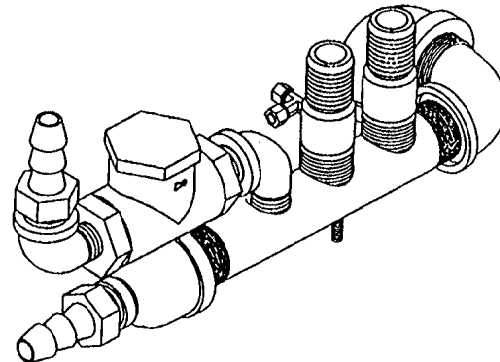
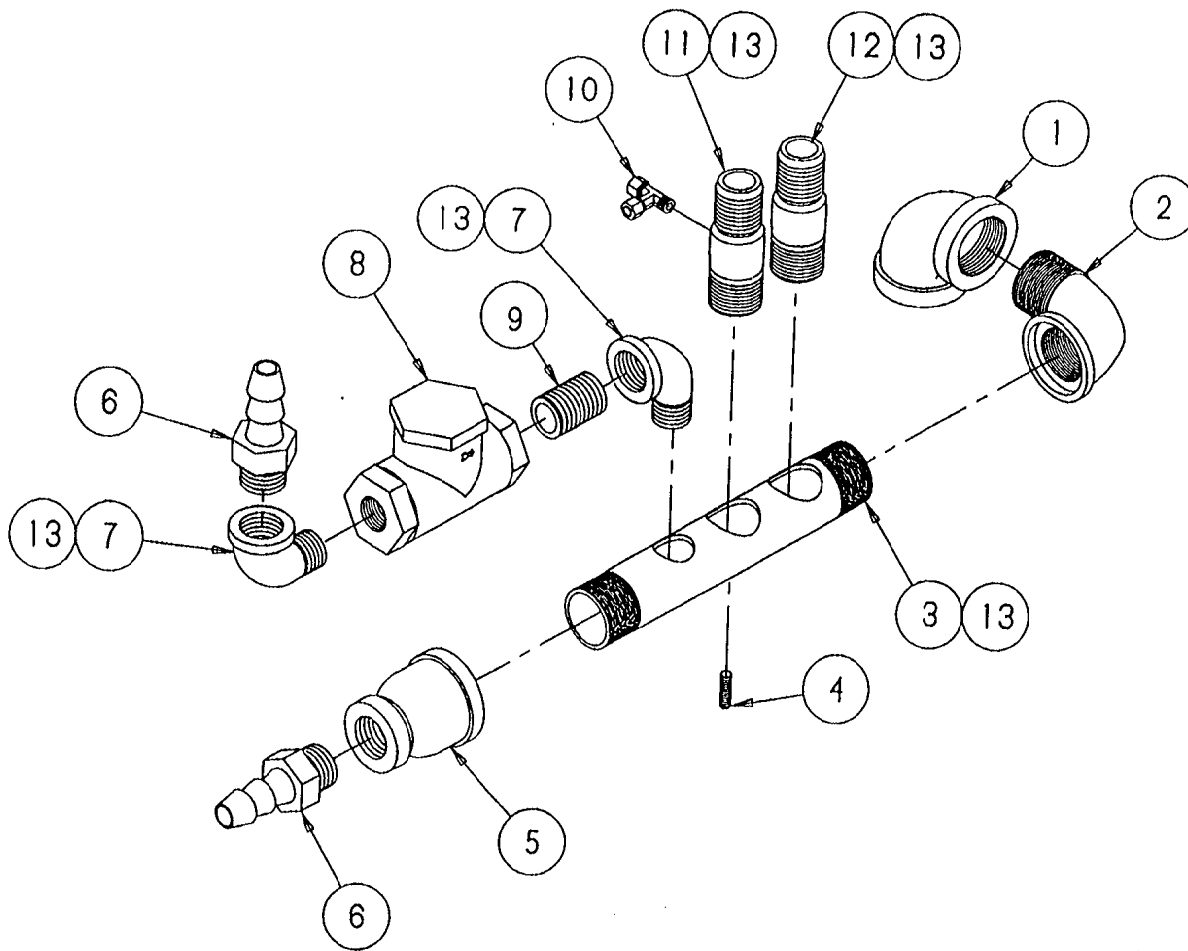
LET	REVISIONS	DATE	BY
A	P/N 20208 WAS 20249. EO #2075	11-12-91	SM
B	ROTATED P/N 22221 & ADDED NOTE 1	04-18-92	SM
C	P/N 06208 WAS 06207, P/N 22244 WAS 22221, P/N 104381 WAS 08216, P/N 14495 WAS 14490, P/N 05280 WAS 05281, P/N 105787 ADDED, P/Ns 03277, 20208 & 14324 OMITTED PER E.O. #C-2448	06-18-93	PJO



NO.	QTY.	PART NO.	DESCRIPTION
9	A/R	00934	SEALANT, RECTORSAL
8	1	14495	NIPPLE, 3/4 NPT X 3, S/S
7	1	05280	ELBOW, 3/4 X 3/4, 90°
8	1	14431	NIPPLE, 3/4 X 2, BRASS
5	1	05283	ELBOW, RADIATOR, 3/4 X 90°
4	1	104381	FITTING, HOSE BARB, 1/4 H X 1/4 NPT
3	1	105787	FITTING, HOSE BARB, 1/4 H X 1/8 NPT 90
2	1	22244	VALVE, SOLENOID, 1/2", 15 PSI
1	1	06208	COMP., FITTING, 3/4" x 3/4" NPT, ST.

TOLERANCES (EXCEPT AS NOTED)			
<b>CLEVELAND RANGE INC.</b> 1333 East 179th St. Cleveland, Ohio 44110-2574			
DECIMAL ± N/A	SCALE N.T.S.	DRAWN BY S. WILENSKI	APPROVED BY DJP
ANGULAR ± N/A	TITLE PIPING ASSEMBLY, BLOWDOWN 600 MM, GAS 1 <sup>1/4</sup> CGM1		
CK	DATE 7-18-91	DRAWING NO. C	REV. 11 C

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ASSEMBLED UNIT

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
-	PRODUCTION RELEASE E.O. #C-2008	09-10-91	PJD
A	P/N 05259 WAS QTY. OF 2 E.O. #C-2048	10-11-91	PJD
B	P/N 105541 WAS P/N 20249 E.O. #C-2134 R1	03-11-92	PJD
C	P/N 05259 WAS QTY. OF 3, P/N 105541 OMITTED, P/N 08240 WAS QTY. OF 3 PER E.O. #C-2448	07-21-93	PJD

NO.	QTY.	PART NO.	DESCRIPTION
13	A/R	00934	SEALANT, RECTORSEAL
12	1	14481	FITTING, BARB 1" HOSE X 1" MPT S/S
11	1	585191	FITTING, HOSE - DRAIN MANIFOLD WITH 1/8" HOLE
10	1	101394	TEE, MALE RUN 1/4 T X 1/4 T X 1/8
9	1	14343	NIPPLE, CLOSE, 3/4", BLACK
8	1	22119	VALVE, SWING CHECK, 3/4"
7	2	05259	ELBOW, STREET, 90°, 3/4", BLACK
6	2	08240	FITTING, HOSE BARB 3/4" HOSE X 3/4" MPT
5	1	03818	COUPLING, RED, 1-1/2 -3/4" BLACK
4	1	19917	STUD, WELD, 1/4-20 X .875 S/S
3	1	13252	MANIFOLD, DRAIN 1-1/2 NPT BLACK
2	1	05292	ELBOW, STREET 1-1/2 NPT X 90° BLACK
1	1	05238	ELBOW, 1-1/2 NPT X 90° BLACK

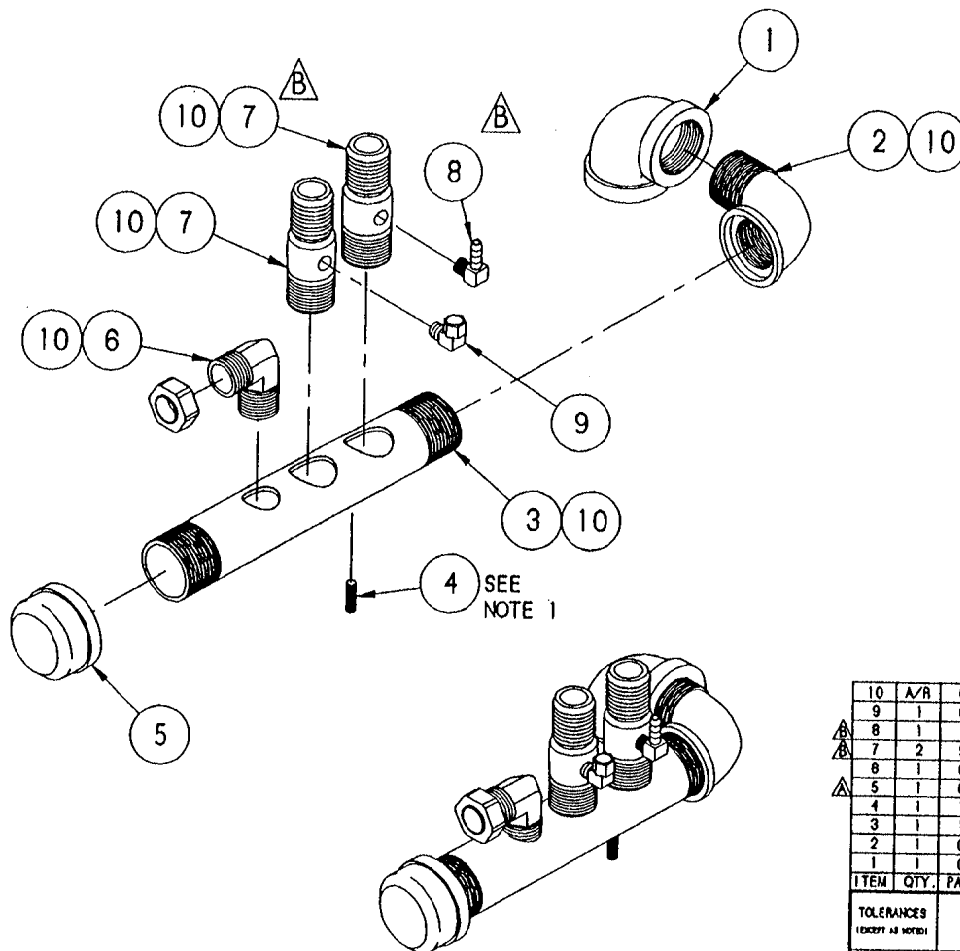
  

TOLERANCES (EXCEPT AS NOTED)			
<b>CLEVELAND RANGE INC.</b>			
1333 East 179th St., Cleveland, Ohio 44110-2374			
DECIMAL	SCALE	DRAWN BY	APPROVED BY
± N/A	1/2"	P.J.D.	D.S.
ANGULAR	TITLE		
± N/A	DRAIN, MANIFOLD ASSEMBLY		
	42CKGM/SM 42CKGM/LG, 42CKSM		
DATE	DRAWING NO.	REV.	
09-10-91	C-104873	C	

NOTE:

- REFER TO DRAWING 260AHV FOR STUD LOCATION INSTRUCTIONS.

LET.	REVISIONS	DATE	BY
A	P/Ns 03818 & 08208 OMITTED AND P/N 03058 ADDED PER E.O. 1C-2448	08-21-93	PD
B	P/N 585191 WAS P/N 14481, ADDED P/N 105787 & NOTES PER E01C-2554	1-25-94	EAG

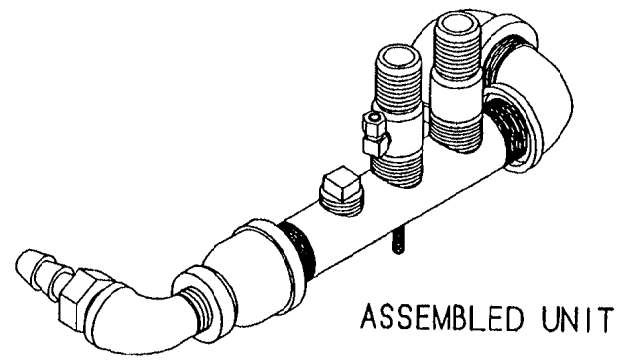
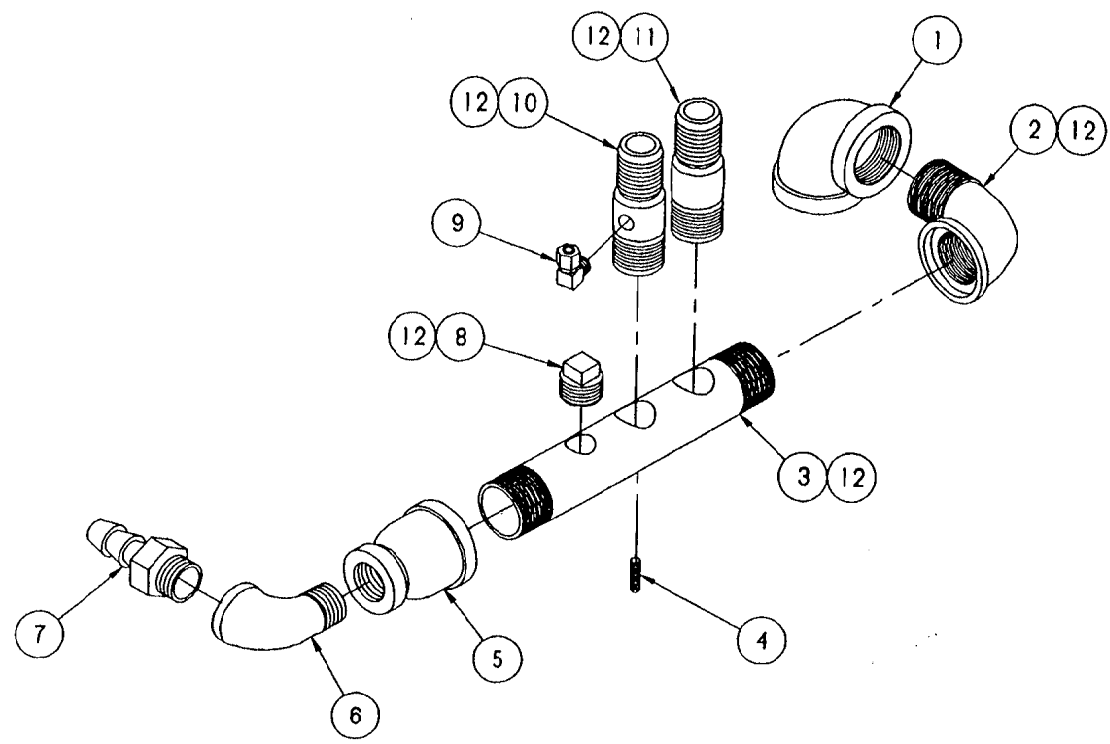


ITEM	QTY.	PART NO.	DESCRIPTION
10	A/R	00934	SEALANT, RECTORSEAL
9	1	08192	FITTING, COMP. 1/4 T X 1/8 MPT 90°
8	1	105787	FITTING, HOSE BARB 90° 1/8" MPT X 1/4" H
7	2	585191	FITTING, HOSE-DRAIN MANIFOLD W/ 1/8" HOLE
6	1	08209	FITTING, COMP. 3/4 T X 3/4 NPT, 90°
5	1	03058	CAP, PIPE, 1-1/2" MALLEABLE IRON
4	1	19917	STUD, WELD 1/4-20 X 7/8, S/S
3	1	13252	MANIFOLD, DRAIN 1-1/2 NPT, BLACK
2	1	05292	ELBOW, STREET, 1-1/2 NPT X 90°, BLACK
1	1	05238	ELBOW, 1-1/2 NPT X 90°, BLACK

TOLERANCES (EXCEPT AS NOTED)			
<b>CLEVELAND RANGE INC.</b> 1333 East 178th St. Cleveland, Ohio 44110-2574			
DECIMAL ± N/A	SCALE 1/2" = 1"	DRAWN BY DUTCHMAN	APPROVED BY
ANGULAR ± N/A	TITLE DRAIN, MANIFOLD ASSEMBLY 24CGM		
CK	DATE 10-01-91	DRAWING NO. C - 42750	REV. B

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LET.	REVISIONS	DATE	BY
-	PRODUCTION RELEASE E.O. #C-1994	08-23-91	P.J.D
A	P/N 14347 & 20205 OMITTED AND P/N 08240 WAS QTY. OF 2 PER E.O. #C-2448	08-22-93	P.J.D



ASSEMBLED UNIT

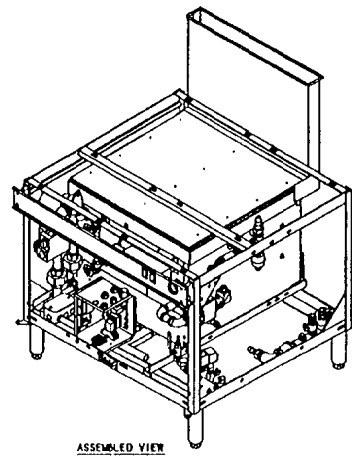
ITEM	QTY.	PART NO.	DESCRIPTION
12	A/R	00934	SEALANT, RECTORSEAL
11	1	14481	FITTING, BARB 1" H X 1" MPT S/S
10	1	585191	FITTING, HOSE, DRAIN MANIFOLD W/ 1/8 HOLE
9	1	08192	FITTING, COMP. 1/4 T X 1/8 MPT 90°
8	1	18808	PLUG, SQ. HEAD, 3/4" PIPE, BLACK
7	1	08240	FITTING, HOSE BARB 3/4 H X 3/4 MPT
6	1	05259	ELBOW, STREET 3/4 X 90°, BLACK
5	1	03818	COUPLING, RED. 1-1/2 X 3/4, BLACK
4	1	19917	STUD, WELD 1/4-20 X 7/8, S/S
3	1	13252	MANIFOLD, DRAIN 1-1/2 NPT, BLACK
2	1	05292	ELBOW, STREET 1-1/2 NPT X 90° BLACK
1	1	05238	ELBOW, 1-1/2 NPT X 90°, BLACK

TOLERANCES (EXCEPT AS NOTED)		<b>CLEVELAND RANGE INC.</b> 1333 East 179th St., Cleveland, Ohio 44110-2574	
DECIMAL ± N/A	SCALE 1/2"	DRAWN BY P. J. D.	APPROVED BY
ANGULAR ± N/A	TITLE PIPING ASSEMBLY, DRAIN 38CGM/SM, 38CGM/LG, 38CEM, 24CSM, 38CSM		
CK	DATE 08-13-91	DRAWING NO. C - - 1	REV. A

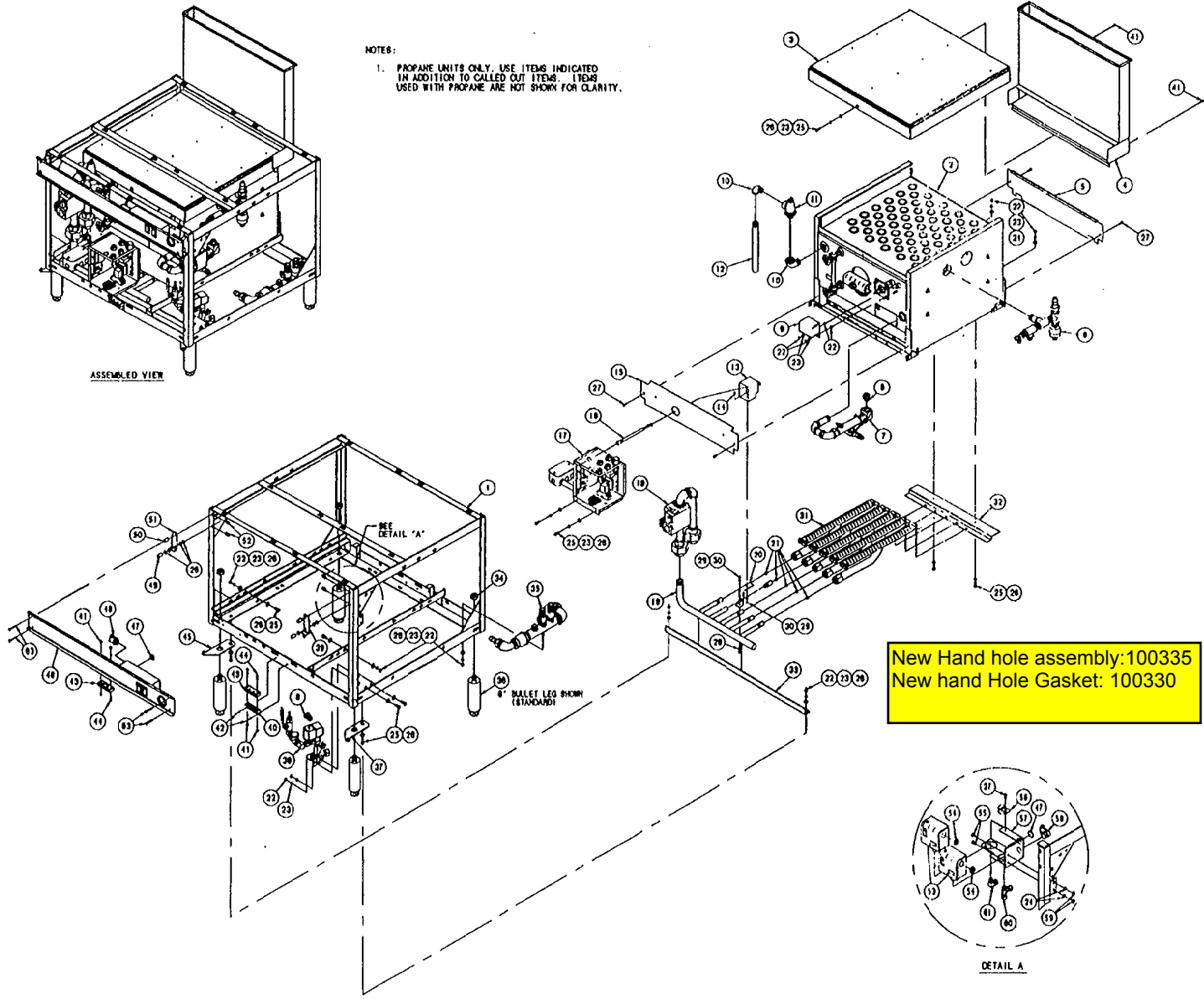
THIS DESIGN DESCRIBES A PROPRIETARY ITEM AND IS THE PROPERTY OF CLEVELAND RANGE. THIS DRAWING IS NOT TO BE COPIED OR USED WITHOUT THE APPROVAL OF CLEVELAND RANGE.

REV.	REVISIONS	DATE	BY
A	ADDED P/M 10888, P/M 23110 WAS	01-20-84	EAC
-	QTY1261, P/M 10889 WAS 14083		
-	P/M 42751 WAS 104991 E.O. AC-2043		

NOTES:  
 1. PROPANE UNITS ONLY. USE ITEMS INDICATED IN ADDITION TO CALLED OUT ITEMS. ITEMS USED WITH PROPANE ARE NOT SHOWN FOR CLARITY.



ASSEMBLED VIEW

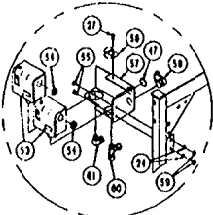


New Hand hole assembly: 100335  
 New hand Hole Gasket: 100330

SEE NOTE 1

ITEM	QTY	PART NO.	DESCRIPTION
83	4	100898	SCREW, TRSS HD, PH. PS., 10-14 X 1-1/2
-	1	32014	BAFFLE, FRONT BURNER, GAS, LP ONLY
-	2	52435	BAFFLE, SIDE
62	A/R	00954	SEALANT, RECTORSSEAL
61	1	08190	FITTING, COMP, 3/8 X 1/4 NPT 90°
60	1	100883	FITTING, COMP TEE 3/8 X 1/4 NPT X 3/8
59	2	14888	NUT, HEX, 1/4-20, 3/8
58	1	103317	CONNECTOR, 1/2 X 3/4, 90° BRASS
57	1	528241	BRACKET, PRESSURE SWITCH, ONE/LEG
56	1	52499	BRACKET, PRESSURE SWITCH RETAINER
55	2	15218	SCREW, HEX HEAD, 1/4-20 X 3/8, 3/8
54	2	02559	BUSHING, INSULATING 3/8 X 1/2 HEX OD
53	2	15947	SWITCH, PRESSURE CONTROL
52	4	100899	NUT, SLIP ON, 10-24, TINNEMAN
51	1	412192	BRACKET, ASS'Y., TOP HINGE, I.S.
50	2	15555	SPACER
49	2	15552	SPACER
48	1	105210	CONNECTOR, GREENFIELD 1/2 STRAIGHT
47	2	18329	PLUG, SHUT-IN, 1/2" FOR 7/8" HOLE
46	1	104887	COORLE ASSY, 250 MB 2 SWITCH
45	1	102882	HINGE, LOWER LEFT HINGE
44	4	18220	SCREW, HD, HEAD 8-32 X 1 ZINC PLTD
43	2	03100	CATCH, MAGNETIC
42	A/R	18358	RIVET, 1/2 DIA, FLUSH BREAK 5/8
41	1	14874	NUT, HEX 8-32 ZINC PLATED
40	1	53274	CLIP, WAGNET CATCH 5/8
39	1	412192	BRACKET, ASS'Y. TOP HINGE, R.S.
38	1	44070	WATER FEED ASSY, REY BEND GEN
37	1	102883	HINGE, LOWER RIGHT HINGE
36	4	06150	LEG, BALLER 4
35	1	42751	DRATH, ASSEMBLY
34	4	14888	NUT, HEX 3/4-10 ZINC PLTD
33	-	1009351	BRACKET, MANIFOLD, 300 MB BASE A.S.
32	-	03191	BRACKET, MANIFOLD, 300 MB BASE S.S.
31	1	44150	BRACKET, SUPPORT, REAR, 250 MB
30	5	02497	BURNER ASSEMBLY, GAS
29	2	14850	NUT, HEX, #10-24, 8/32
28	2	23113	WASHER, SPALL LOCK #18 ZINC PLATED
27	5	19140	SCREW, HEX WASHER HEAD, #10 X .5
26	22	23118	WASHER, FLAT 1/4 X 5/8 X .065
25	11	19288	SCREW, HEX HEAD, 1/4-20 X 3/4
24	1	25137	WASHER, LOCK INTL, TOOTH, 1/4 5/8
23	14	23101	WASHER, LOCK 1/4 NAT LK STYLE
22	13	14818	NUT, HEX 1/4-20 5/8
21	-	15450	ORIFICE, LP GAS, #18 DRILL
20	-	15453	ORIFICE, NAT GAS, #28 DRILL
19	-	52802	BRACKET, ALIGNMENT MANIFOLD
18	-	40921	VALVE ASSY, REY BEND 250 MB
17	-	42074	VALVE ASSY, LARGE GAS, LP
16	-	43664	VALVE ASSY, NATURAL GAS 250/300 MB
15	1	10092801	BOX, ELECT, ASSY FOR GAS 2 PROBE
14	1	44109	CABLE, IGNITION ASSEMBLY
13	1	40840	BAFFLE, FRONT 250 MB
12	1	15267	SCREW, PAN HEAD, #10-24 X .5 LG 5/8
11	1	14407	HIPPLE, Y.D.E., 3/4" Y 8" BLACK
10	1	22131	VALVE, SAFETY, 3/4" 15 PSI BRONZE
9	2	03250	ELBOW, STREET, 3/4", 90° BLACK
8	2	52305	BOX, PROBE, GREENFIELD 3/8 STRAIGHT
7	1	40811	BLOWDOWN ASSY, POL, CYCLONE, GAS
6	1	428122	STEAM OUTLET ASSEMBLY
5	1	52192	BAFFLE, REAR, 250/300 MB
4	-	1011301	FLUE FITTER ASSY, INTERNAL
3	-	100881	CELLICOR ASSY, TOP FLUE, LG GAS
2	-	40731WP	GAS GENERATOR ASSY, W/REF PLATS
1	-	411201	BASE, WELDMENT, 300MB, A.C.S
1	-	41120	BASE WELDMENT, 300MB, S/S

REF



DETAIL A

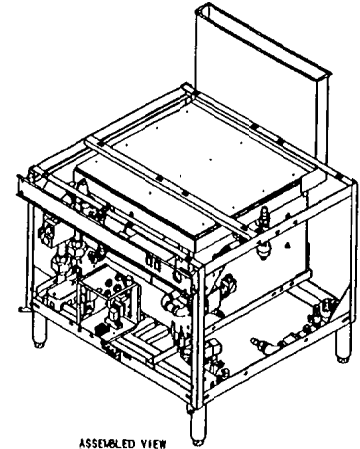
THIS DESIGN DESCRIBES A PROPRIETARY ITEM AND IS THE PROPERTY OF CLEVELAND RANGE. THIS DRAWING IS NOT TO BE COPIED OR USED WITHOUT THE APPROVAL OF CLEVELAND RANGE.

NEXT ASS Y: DCE0023

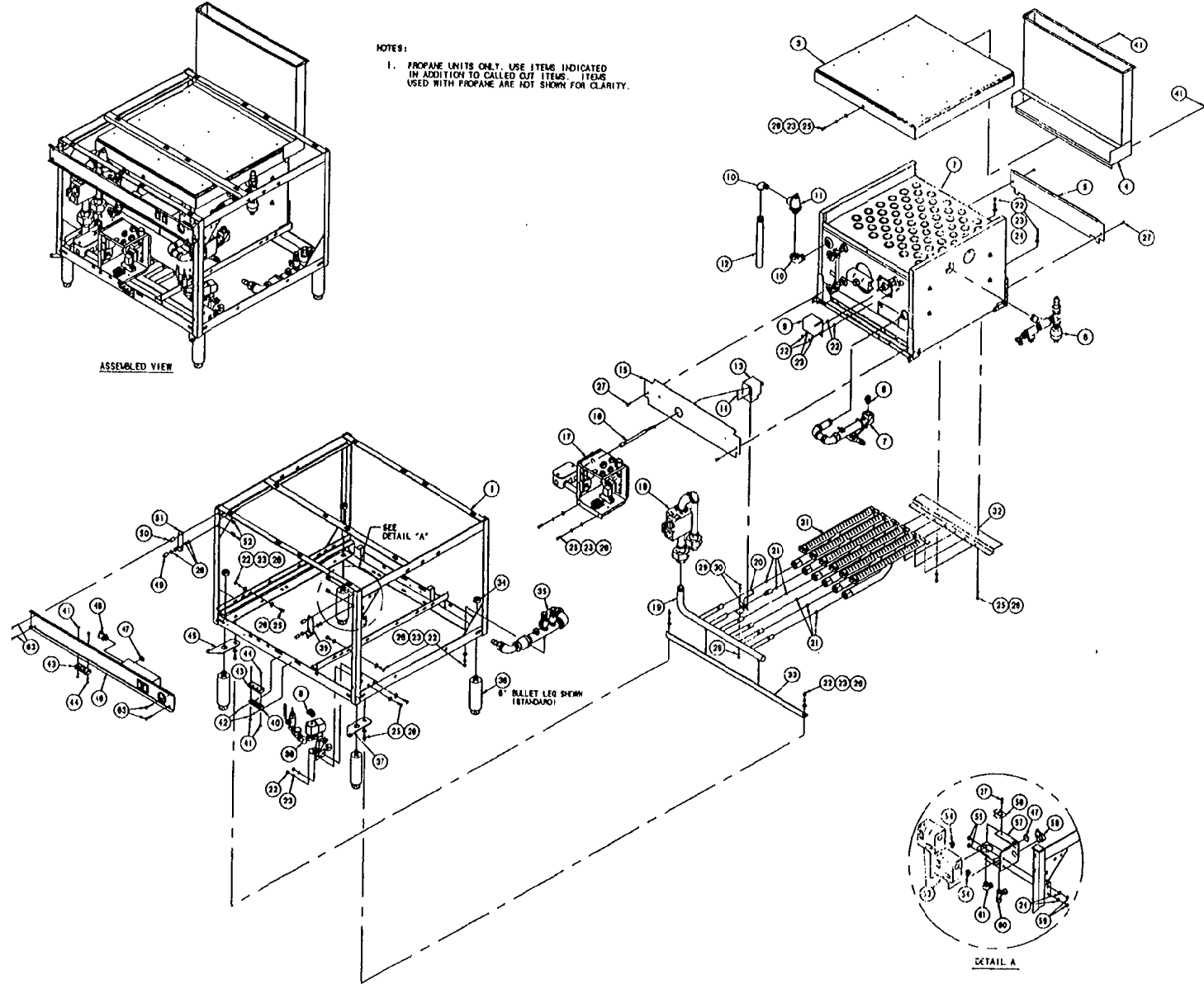
TOLERANCES (UNLESS OTHERWISE SPECIFIED)			
CLEVELAND RANGE INC.			
1233 East 1781st St. Cleveland, Ohio 44110-2174			
DECIMAL	SCALE	DRAWN BY	APPROVED BY
± 1/32"	1/2"=1"	E. ORLIVEAS	H.L.
INCHES	TITLE	BASE ASSEMBLY, GENERATOR, 300 MB, GAS, 250 MB	
± 1/32"	DATE	DRAWING NO.	REV.
OK	10-14-83	D - DCE0007	A

LET.	REVISIONS	DATE	BY
A	ADDED P/N 104888, P/N 22118 WAS	05-20-84	GC
-	QTY(261), P/N 104884 WAS 14845		
-	P/N 42781 WAS 104911 E.O. 4C-2843		

NOTES:  
 1. PROPANE UNITS ONLY. USE ITEMS INDICATED IN ADDITION TO CALLED OUT ITEMS. ITEMS USED WITH PROPANE ARE NOT SHOWN FOR CLARITY.



ASSEMBLED VIEW



SEE NOTE 1

QTY	P/N	DESCRIPTION
4	106698	SCREW, TREE TD, PHILPS, 10-24 X 1-1/2
1	32613	BAFFLE, FRONT BURNER, GAS, LP ONLY
1	32615	BAFFLE, SIDE
2/A	02934	SEALANT, RECTANGULAR
1	06196	FITTING, COMP, 3/8 X 1/4 NPT, 90°
1	100893	NUT, HEX JAW, 1/4-20, 8/8
2	10688	CONNECTION, 1/2 X 90° ORIFITTE
1	10547	BRACKET, PRESSURE SWITCH, GAS/ELECT
1	52499	BRACKET, PRESSURE SWITCH RETAINER
2	19218	SCREW, HEX HEAD, 1/4-20 X 3/8, 8/8
2	07599	BUSHING, INSULATING 3/8 X 1/2, METAL
1	19947	SWITCH, PRESSURE CONTROL
1	106889	NUT, SLIP ON, 10-24, TYPENORM
1	41282	BRACKET, ASSY., TOP HINGE, L.S.
2	19355	SPACER
2	19352	SPACER
2	193210	CONNECTION, GREENFIELD 1/2 STRAIGHT
2	19329	FLUE, 8 1/2 IN. 1/2" FOR 1/2" HOLE
1	048074	CONTROL ASSY, 300 MH 2 SWITCH
1	020842	HINGE, LOWER LEFT HINGE
1	19206	SCREW, HD, HEAD 4-32 X 1 ZINC PLTD
3	03100	CATCH, MAGNETIC
2/A	18336	NUT, 1/8 DIA, FLUSH BREAK 5/8
1	18174	NUT, HEX 8-32 ZINC PLATED
1	53274	CLIP, MAGNET CATCH 5/8
1	41282	BRACKET, ASSY., TOP HINGE, R.S.
1	44070	WATER FEED ASSY, REV BEND GEN
1	1020693	HINGE, LOWER RIGHT HINGE
1	06156	LEG, BULLET
1	42781	DRAIN, ASSEMBLY
1	14688	NUT, HEX JAW 3/4-10 ZINC PLTD
1	1003551	BRACKET, MANIFOLD, 300 MH BASE A.S.
1	03184	BRACKET, MANIFOLD, 300 MH BASE 3/8
1	41157	BRACKET, SUPPORT, REAR, 300 KBTU
1	02491	BURNER, 300 KBTU
2	14639	NUT, HEX, #10-24, 8/8
2	23113	WASHER, SPILT LOCK #10 ZINC PLATED
1	19594	SCREW, ROUND HEAD, #10-24 X 7/8 LG.
1	19146	SCREW, HEX HEAD, #10 X 3
2	23116	WASHER, #10 X 1/4 X 3/8 X .045
1	10268	SCREW, HEX HEAD, 1/4-20 X 3/4
1	23137	WASHER, LOCK INT. TOOTH, 1/4 X 5/8
1	23105	WASHER, LOCK 1/4 KATLING STYLE
1	14118	NUT, HEX 1/4-20 8/8
1	15150	ORIFITCE, LP GAS, #15 DRILL
1	15153	ORIFITCE, NAT GAS, #19 DRILL
1	32802	BRACKET, ALUMINUM MANIFOLD
1	40922	MANIFOLD, ASSY, REV BEND 300 KBTU
1	42674	VALVE ASSY, LARGE GAS, LP
1	04864	VALVE, NATURAL GAS #10/300 KBTU
1	10092901	BOX, ELECT, ASSY FOR GAS 2 PROBE
1	44169	CABLE, IGNITION ASSEMBLY
1	40842	BAFFLE, FRONT, 300 KBTU R/S
1	19287	SCREW, PAN HEAD, #10-24 X 3 LG 3/8
1	44050	BOX, IGNITER ASSEMBLY
1	14187	HITPALE, T.O.E., 3/4 X 9", BLACK
1	22131	VALVE, SAFETY, 3/4" 15 PSI BRONZE
2	05359	ELBOW, STREET, 3/4", 90° BLACK
1	52005	BOX, PROBE COVER, 2 PROBES, A.C.S.
2	103243	CONNECTION, GREENFIELD 3/8 STRAIGHT
1	40611	BLOWDOWN ASSY, RCL, CYCLOPS GAS
1	428122	STEAM OUTLET ASSEMBLY
1	52192	BAFFLE, REAR, 210/300 KBTU
1	1011901	FLUE RISER ASSY, INTERNAL
1	100911	COLLECTOR ASSY, TOP ZINC LG GAS
1	407431MP	GAS GENERATOR ASSY, W/DEF PARTS
1	411201	BASE WELDMENT, 300MH, A.C.S.
1	41120	BASE WELDMENT, 300MH, 8/8

REF

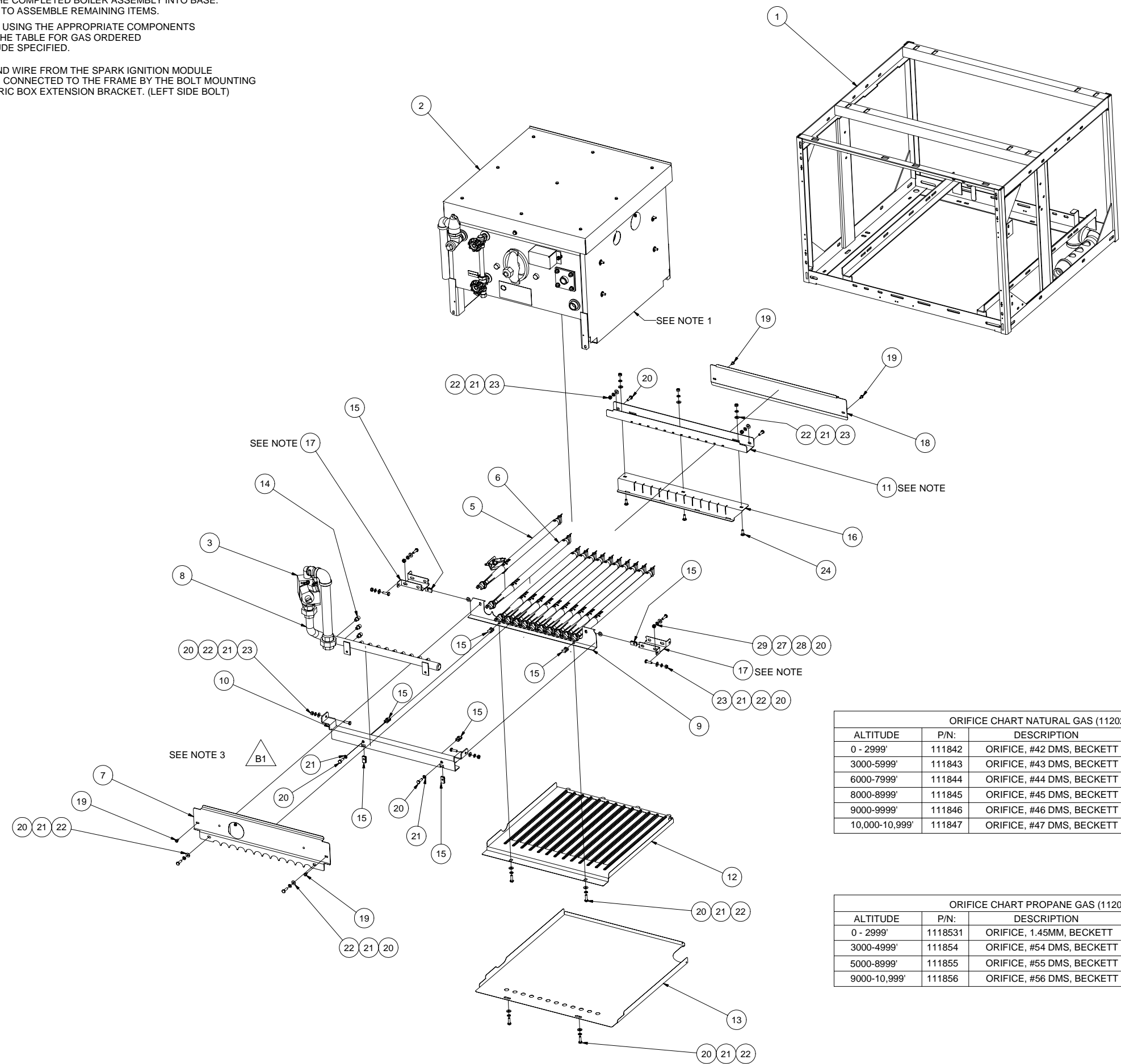
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NEXT ASSY: D020024

CLEVELAND RANGE INC.			
1833 East 17811 St., Cleveland, Ohio 44110-2174			
DECIMAL	SCALE	DRAWN BY	APPROVED BY
1/8"	1/8"	E. ORTVEAS	MLT
TITLE	BASE ASSY	THERMATOR	KBTU
DATE	DRAWING		REV
10-15-83		DCE0009	A

- NOTE:
1. INSTALL ITEM 12 AND TWO ITEM 18 WITH INDICATED FASTENERS ONTO BOILER LEGS BEFORE INSTALLING SIDE INSULATION PANELS. INSTALL THE COMPLETED BOILER ASSEMBLY INTO BASE. CONTINUE TO ASSEMBLE REMAINING ITEMS.
  2. ASSEMBLE USING THE APPROPRIATE COMPONENTS NOTED IN THE TABLE FOR GAS ORDERED AND ALTITUDE SPECIFIED.
  3. THE GROUND WIRE FROM THE SPARK IGNITION MODULE SHOULD BE CONNECTED TO THE FRAME BY THE BOLT MOUNTING THE ELECTRIC BOX EXTENSION BRACKET. (LEFT SIDE BOLT)

LET.	DESCRIPTION	DATE	BY
A	PRODUCTION RELEASE PER EO# C-7160	08-14-06	LPH
B	1.) CHANGED IGNITION MODULE GROUND WIRE LOCATION	12-05-06	DS
-	2.) ADDED NOTE 3, PER EO #C-7247 (REF ECR 06-156)	-	-



**Starting November 2006**

**New Hand hole assembly: 100335  
New hand Hole Gasket: 100330**

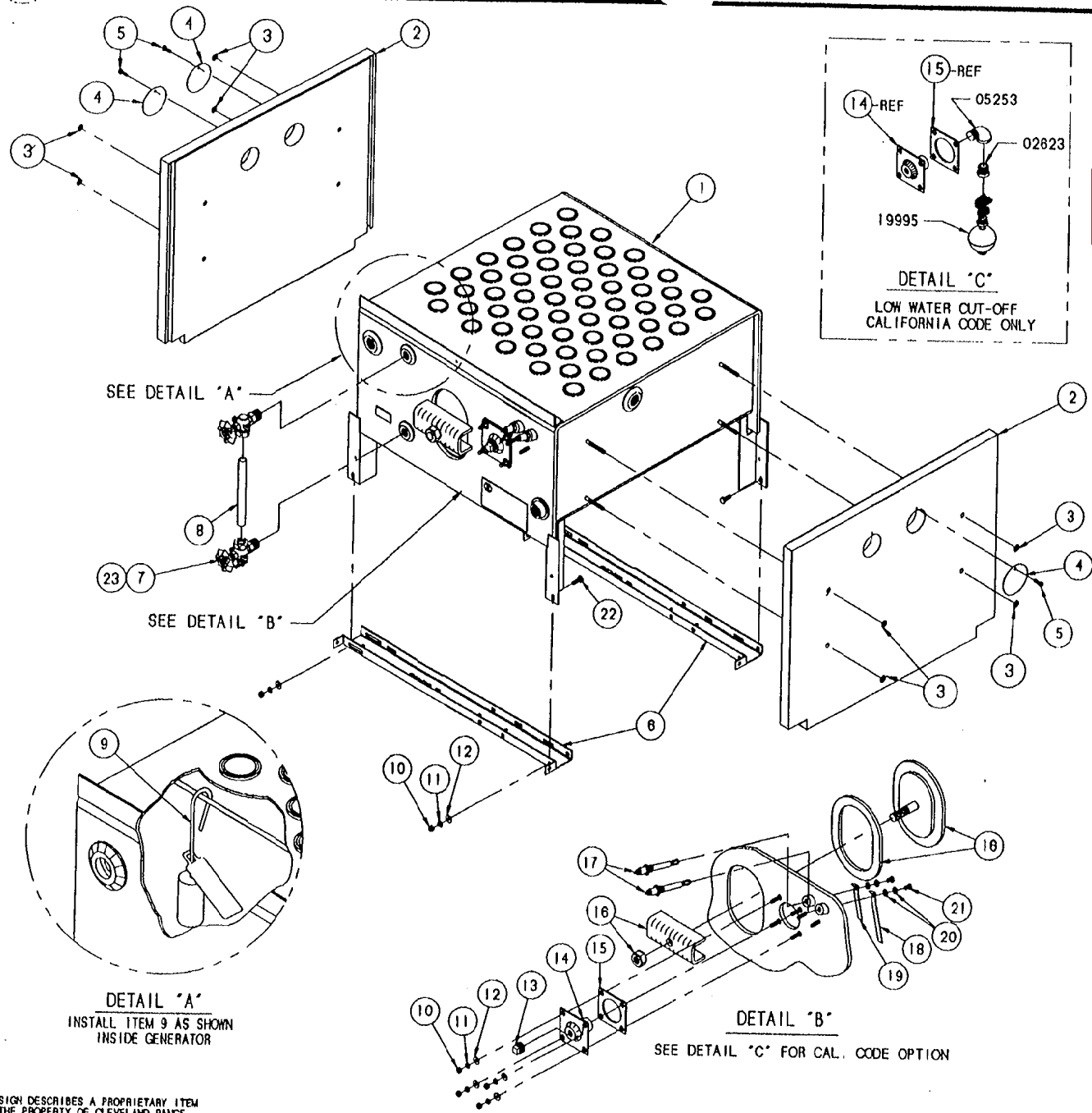
**Ignition wire S300587**

ALTITUDE	P/N:	DESCRIPTION	HOLE SIZE
0 - 2999'	111842	ORIFICE, #42 DMS, BECKETT	#42(0.094± 0.001 REF)
3000-5999'	111843	ORIFICE, #43 DMS, BECKETT	#43(0.089± 0.001REF)
6000-7999'	111844	ORIFICE, #44 DMS, BECKETT	#44(0.086± 0.001 REF)
8000-8999'	111845	ORIFICE, #45 DMS, BECKETT	#45(0.082± 0.001 REF)
9000-9999'	111846	ORIFICE, #46 DMS, BECKETT	#46(0.081± 0.001 REF)
10,000-10,999'	111847	ORIFICE, #47 DMS, BECKETT	#47(0.079± 0.001 REF)

ALTITUDE	P/N:	DESCRIPTION	HOLE SIZE
0 - 2999'	1118531	ORIFICE, 1.45MM, BECKETT	1.45MM(0.057± 0.001 REF)
3000-4999'	111854	ORIFICE, #54 DMS, BECKETT	#54(0.055± 0.001 REF)
5000-8999'	111855	ORIFICE, #55 DMS, BECKETT	#55(0.052± 0.001 REF)
9000-10,999'	111856	ORIFICE, #56 DMS, BECKETT	#56(0.047± 0.001 REF)

26	1	109196	GENERATOR ASSY WELDMENT 2 PROBE, GAS, LARGE
25	1	100332	YOKE, 3 X 4 HANDHOLE GENERATOR
24	3	111273	SCREW, CARRIAGE, 1/4-20x3/4, SST (RND HEAD, SQ NECK)
23	17	14618	NUT, HEX, 1/4-20, STAINLESS STEEL
22	17	23116	WASHER, FLAT, .281 ID x.625 OD x .065 THK, SST
21	18	23105	WASHER, LOCK, 1/4" KATLINK STYLE, SST
20	16	19288	SCREW, 1/4-20 X 3/4, HEX, HD, ZINC PLATED
19	6	19148	SCREW, HEX WASHER HD, #10 x 1/2, TYPE AB, ZINC PLTD
18	1	111973	BAFFLE, REAR, 300K GAS
17	2	111760	BRACKET, FRONT, BOILER MOUNTING
16	1	111363	SUPPORT, BURNER, REAR 300K BTU, BECKETT BURNER
15	8	110581	NUT, "U" TYPE (EXTRUDED) #1/4-20 UNC-2B THREAD
14	12	-	ORIFICE - FROM TABLE
13	1	111371	COVER, BURNER, BOTTOM, 300 K BTU
12	1	111368	BAFFLE, BOTTOM, 300K BTU, BECKETT BURNER
11	1	1113631	SUPPORT, BOILER, REAR 300K BTU, BECKETT BURNER
10	1	111359	BRACKET, MOUNTING, BURNER MANIFOLD, 300K
9	1	111362	COVER, FRONT LOWER, BURNER, 300K, BECKETT BURNER
8	1	111234	MANIFOLD, GAS BASE, 300K BECKETT BURNER
7	1	112025	ASSEMBLY, FRONT BAFFLE, INSULATED, 300KBTU
6	11	111355	BURNER, BECKETT, TUBE, 1", GAS BASE AND STEAMCHEF
5	1	111447	ASSY, BURNER & IGNITOR
4	-	112027	ASSEMBLY, VALVE, LP GAS - 300 BTU, BECKETT GAS BURNER
3	-	112026	ASSEMBLY, VALVE, NATURAL GAS - 300 BTU, BECKETT GAS BURNER
2	2	1009801	INSULATION PANEL ASSY, R/L SIDE, REV BEND GEN
1	1	REF	BASE - GENERIC WELDMENT 900 & 10050M

ITEM	QTY	REF NO.	DESCRIPTION
<b>CLEVELAND RANGE, I.L.C.</b> 1333 East 179th St., Cleveland, Ohio 44110-2574 <small>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.</small>			
TOLERANCES (UNLESS OTHERWISE NOTED)		DO NOT SCALE PRINTED DRAWING	DRAWN BY LPH DATE 8/14/2006
DECIMAL ± 0.030		TITLE INSTRUCTIONS - BURNER ASSEMBLY LARGE GAS 900M & 1050M	
ANGULAR ± 1°	SIZE D	DRAWING NO. 112030	SHEET 1 OF 1 REV B



Float assembly with timer: 109564  
 Time Delay Kit for Float: 107234  
 Timer only: 107212

New Hand hole assembly: 100335  
 New hand Hole Gasket: 100330

NO.	QTY.	PART NO.	DESCRIPTION
23	A/R	00934	SEALANT, RECTORSEAL
22	4	19288	SCREW, HEX HEAD, 1/4-20 X 3/4
21	2	19218	SCREW, HEX HEAD, 1/4-20 X 3/8 S/S
20	4	23151	WASHER, INTERNAL TOOTH LOCK, 1/4
19	1	82452	EXTENSION, WATER PROBE 1/2 X 3-1/8
18	1	82453	EXTENSION, WATER PROBE, 1/2 X 4-5/8
17	2	18871	PROBE WARRICK, 4-5/16" LG
16	1	40421	HAND HOLE PLATE & BAR ASSM
15	1	07128	GASKET, HEATER
14	1	41943	PLATE, MOUNTING
13	1	18602	PLUG, SQUARE 1/2 PIPE, BLACK
12	8	23116	WASHER, FLAT, 1/4 S/S
11	8	23105	WASHER, SPLIT LOCK, 1/4 S/S
10	8	14618	NUT, HEX, 1/4 - 20 S/S
9	1	43895	ANODE ASSM CORROSION PREVENTATIVE
8	1	07302	GAUGE, WATER, 5/8 X 6, GLASS
7	1	07176	GAUGE, FITTINGS, WATER, 1/2"
6	2	89987	SUPPORT, GEN MTG CHANNEL 900/1050MM
5	3	19148	SCREW, HEX WASH HD, #10 X 1/2
4	3	105539	DISK, HOLE COVER, SIDE INSUL. PANEL
3	8	14283	FASTENER, PUSHNUT, 1/4" STUD DIA.
2	-	1009802	PANEL, INSULATION ASM, RT/LT LP
1	-	100980	PANEL, INSULATION ASM, RT/LT NAT GAS
1	1	407431	GENERATOR ASSY, GAS-WELDMENT

DETAIL "A"  
 INSTALL ITEM 9 AS SHOWN  
 INSIDE GENERATOR

DETAIL "B"  
 SEE DETAIL "C" FOR CAL. CODE OPTION

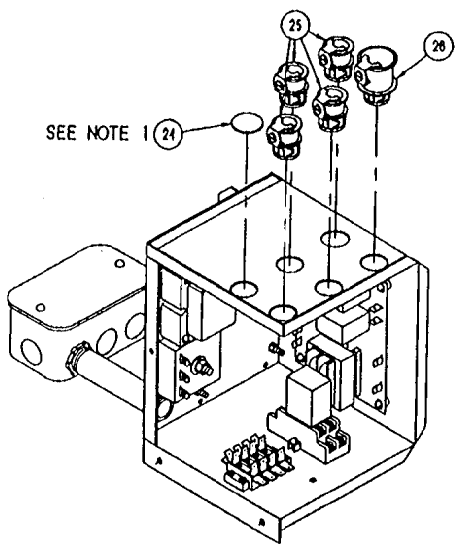
THIS DESIGN DESCRIBES A PROPRIETARY ITEM  
 AND IS THE PROPERTY OF CLEVELAND RANGE.  
 THIS DRAWING IS NOT TO BE COPIED OR USED  
 WITHOUT THE APPROVAL OF CLEVELAND RANGE.

TOLERANCES (EXCEPT AS NOTED)				CLEVELAND RANGE INC. 1333 East 179th St. Cleveland, Ohio 44110-2574			
DECIMAL ± N/A	SCALE 3/16	DRAWN BY GRIVEAS	APPROVED BY M.T.	TITLE GAS GENERATOR ASSEMBLY 5/8 BURNER, W/ REFERENCE PARTS			
ANGULAR ± N/A	DATE 10-14-93			DRAWING NO. C-407431WP		REV. -	

LET.	REVISIONS	DATE	BY
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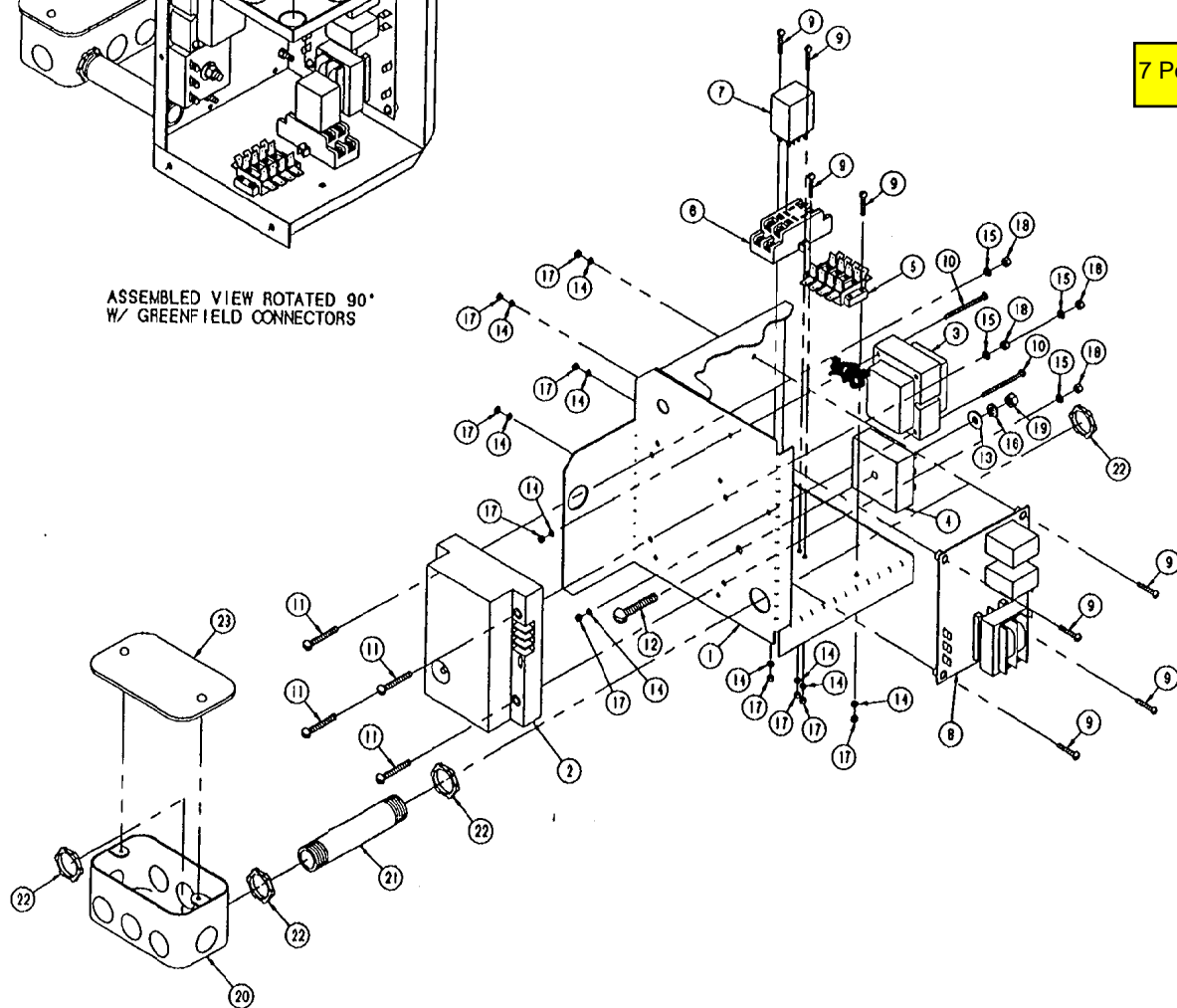
NOTES:  
 1. REMOVE P/N 19329 WHEN CAL. CODE / LWCO IS USED (SEE B.O.M. FOR APPROPRIATE CONNECTOR).

SEE NOTE 1



ASSEMBLED VIEW ROTATED 90°  
 W/ GREENFIELD CONNECTORS

7 Pole Terminal Block 109797



ITEM	QTY.	PART NO.	DESCRIPTION
26	1	105246	CONNECTOR, GREENFIELD, 1/2" SHAPTTITE
25	4	105243	CONNECTOR, GREENFIELD, 3/8" SHAPTTITE
24	1	19329	PLUG, SNAP-IN, 1/2" FOR 1/8" HOLE
23	1	02368	COVER, HANDI-BOX
22	4	14614	NUT, LOCK, 1/2", ELECTRICAL
21	1	14334	NIPLLE, 1/2" x 4", BLACK
20	1	02361	BOX, HANDI-BOX, ELECTRICAL
19	1	14618	NUT, HEX, 1/4-20, S/S, FULL FINISH
18	4	14598	NUT, HEX, 8-32, ZINC PLATED
17	10	14674	NUT, HEX, 8-32, ZINC PLATED
16	1	23105	WASHER, SPLIT LOCK, 1/4", S/S
15	4	101337	WASHER, INTERNAL TOOTH LOCK, #8
14	10	23111	WASHER, INTERNAL TOOTH LOCK, #6
13	1	23116	WASHER, FLAT, 1/4" ID x .065" THK
12	1	19265	SCREW, ROUND HEAD, 1/4-20 x 1.5", S/S
11	8	19150	SCREW, ROUND HEAD SLOTTED, 8-32 x 1.25"
10	4	19149	SCREW, ROUND HEAD SLOTTED, 8-32 x 1.75"
9	2	19183	SCREW, ROUND HEAD SLOTTED, 8-32 x .75"
8	1	23198	CONTROL, WATER LEVEL
7	1	03524	RELAY, 120 V, 50/60Hz, AC, DPDT
6	1	03525	SOCKET, RELAY
5	1	44184	TERMINAL BLOCK ASM. - 4 POLE, GAS UNITS
4	1	20478	TIMER, SOLID STATE INTERVAL, 3 MINUTE
3	1	20258	TRANSFORMER - SPARK IGNITION SUPPLY
2	1	03516	CONTROL, MODULE, DIRECT SPARK IGNITION
1	1	44139	BOX, WELDMENT, ELECTRIC FOR GAS, 2 PROBE

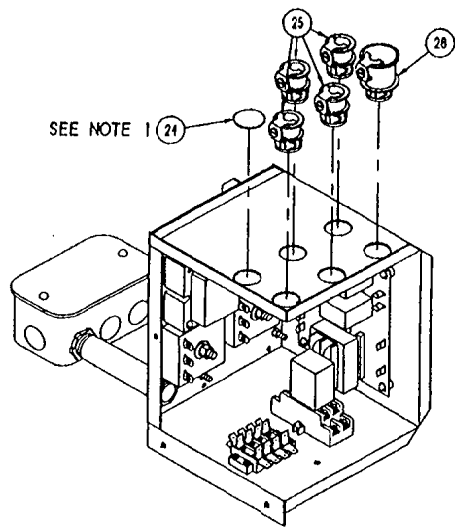
THIS DESIGN DESCRIBES A PROPRIETARY ITEM AND IS THE PROPERTY OF CLEVELAND RANGE. THIS DRAWING IS NOT TO BE COPIED OR USED WITHOUT THE APPROVAL OF CLEVELAND RANGE.

TOLERANCES (UNLESS AS SHOWN)		CLEVELAND RANGE INC. 1303 East 179th St. Cleveland, Ohio 44110-2374	
DECIMAL ± 1/A	SCALE 3/8"=1	DRAWN BY E.GRIEVEAS	APPROVED BY
ANGULAR ± 1/A	TITLE BOX, ELECTRIC, ASSEMBLY GAS - 2 PROBE		
DATE CK 2-15-94	DRAWING NO. C - 10092901	REV. -	

LET.	REVISIONS	DATE	BY
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NOTES:

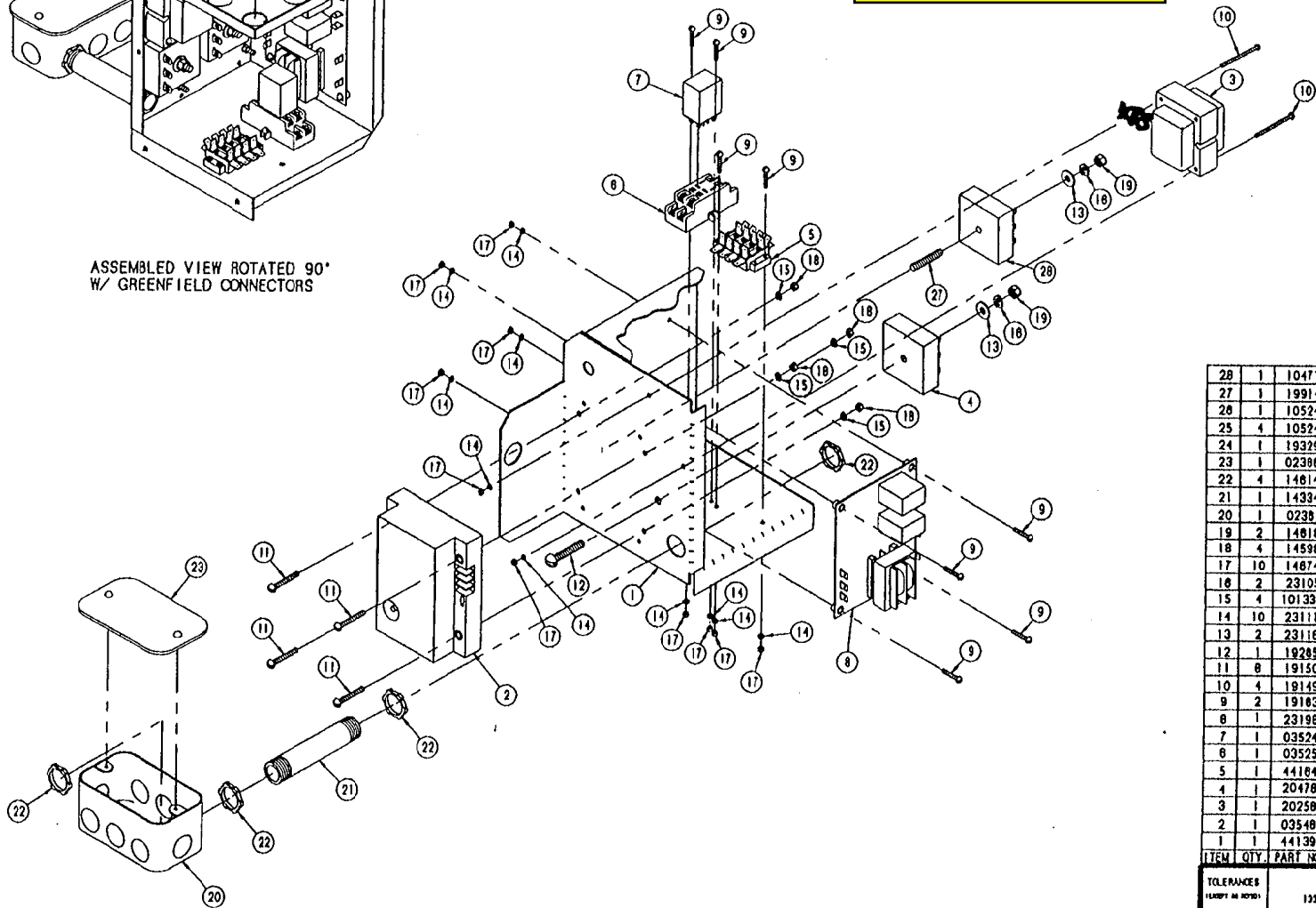
1. REMOVE P/N 19329 WHEN CAL. CODE / LWCO IS USED (SEE B.O.M. FOR APPROPRIATE CONNECTOR).



SEE NOTE 1

7 Pole Terminal Block 109797

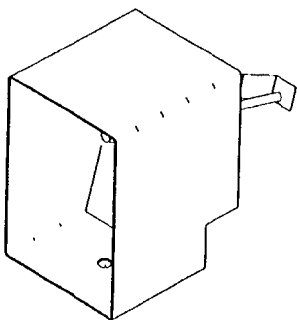
ASSEMBLED VIEW ROTATED 90°  
W/ GREENFIELD CONNECTORS



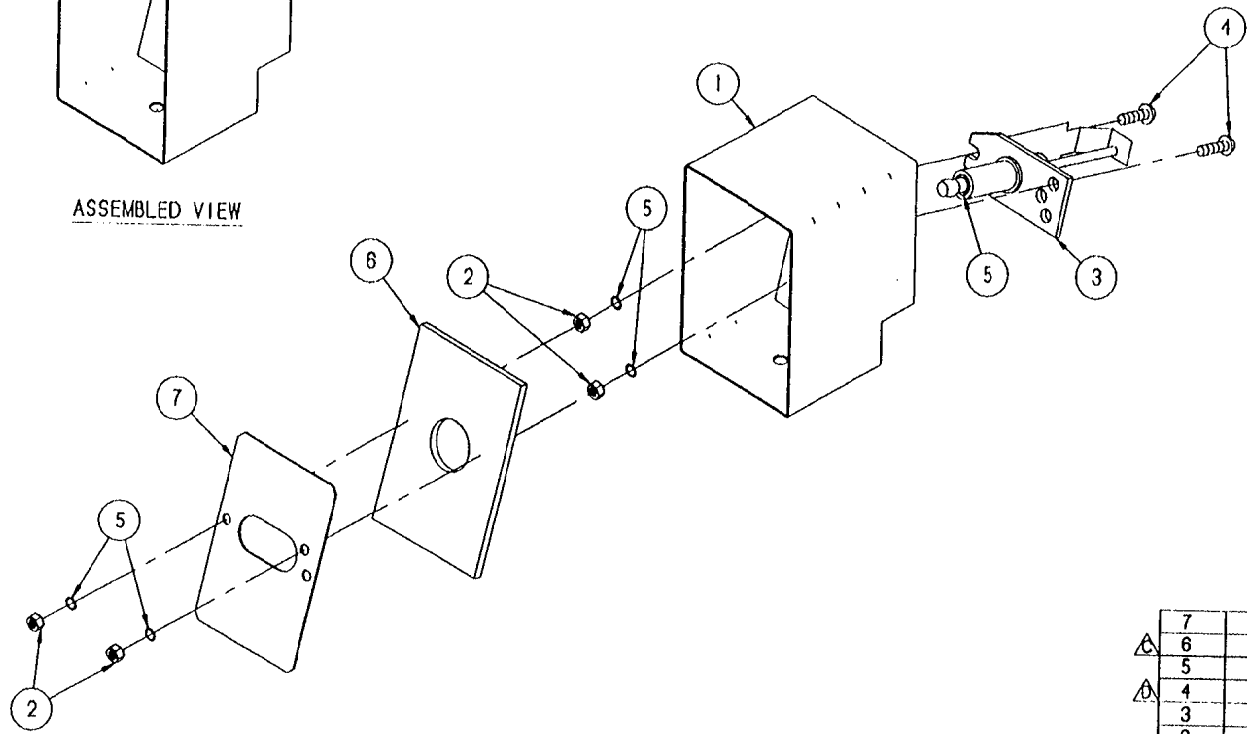
ITEM	QTY	PART NO.	DESCRIPTION
28	1	104718	TIMER, RECYCLING, GENERATOR W/BLOWDOWN
27	1	19914	STUD, WELD, STYLE F, 1/4-20 X 1-1/2, S/S
26	1	105248	CONNECTOR, GREENFIELD, 1/2" SHAPITITE
25	4	105243	CONNECTOR, GREENFIELD, 3/8" SHAPITITE
24	1	19329	PLUG, SNAP-IN, 1/2" FOR 1/8" HOLE
23	1	02398	COVER, HANDI-BOX
22	4	14814	NUT, LOCK, 1/2", ELECTRICAL
21	1	14334	HIPPLE, 1/2" x 4", BLACK
20	1	02381	BOX, HANDI-BOX, ELECTRICAL
19	2	14818	NUT, HEX, 1/4-20, S/S, FULL FINISH
18	4	14598	NUT, HEX, 8-32, ZINC PLATED
17	10	14874	NUT, HEX, 8-32, ZINC PLATED
16	2	23105	WASHER, SPLIT LOCK, 1/4", S/S
15	4	101337	WASHER, INTERNAL TOOTH LOCK, #8
14	10	23111	WASHER, INTERNAL TOOTH LOCK, #8
13	2	23118	WASHER, FLAT, 1/4" ID x .085" THK
12	1	19285	SCREW, ROUND HEAD, 1/4-20 x 1.5", S/S
11	8	19150	SCREW, ROUND HEAD SLOTTED, 8-32 x 1.25"
10	4	18149	SCREW, ROUND HEAD SLOTTED, 8-32 x 1.75"
9	2	19183	SCREW, ROUND HEAD SLOTTED, 8-32 x .75"
8	1	23198	CONTROL, WATER LEVEL
7	1	03524	RELAY, 120 V, 50/60HZ, AC, DPDT
6	1	03525	SOCKET, RELAY
5	1	44184	TERMINAL BLOCK ASM - 4 POLE, GAS UNITS
4	1	20478	TIMER, SOLID STATE INTERVAL, 3 MINUTE
3	1	20250	TRANSFORMER - SPARK IGNITION SUPPLY
2	1	03548	CONTROL, MODULE, DIRECT SPARK IGNITION
1	1	44139	BOX, WELDMENT, ELECTRIC FOR GAS, 2 PROBE

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

TOLERANCES UNLESS AS NOTED			
<b>CLEVELAND RANGE, INC.</b> 1333 East 1781st St., Cleveland, Ohio 44110-2574			
DESIGNAL	SCALE	DRAWN BY	APPROVED BY
± N/A	3/8"±1	E. GRIVEAS	
WORKMAN	TITLE		
± N/A	BOX, ELECTRIC, ASSEMBLY		
	W/INTERMITTENT BLOWDOWN, G	JOB#	
DATE	DRAWING NO.	REV	
2-15-94	C - 10092902		



ASSEMBLED VIEW



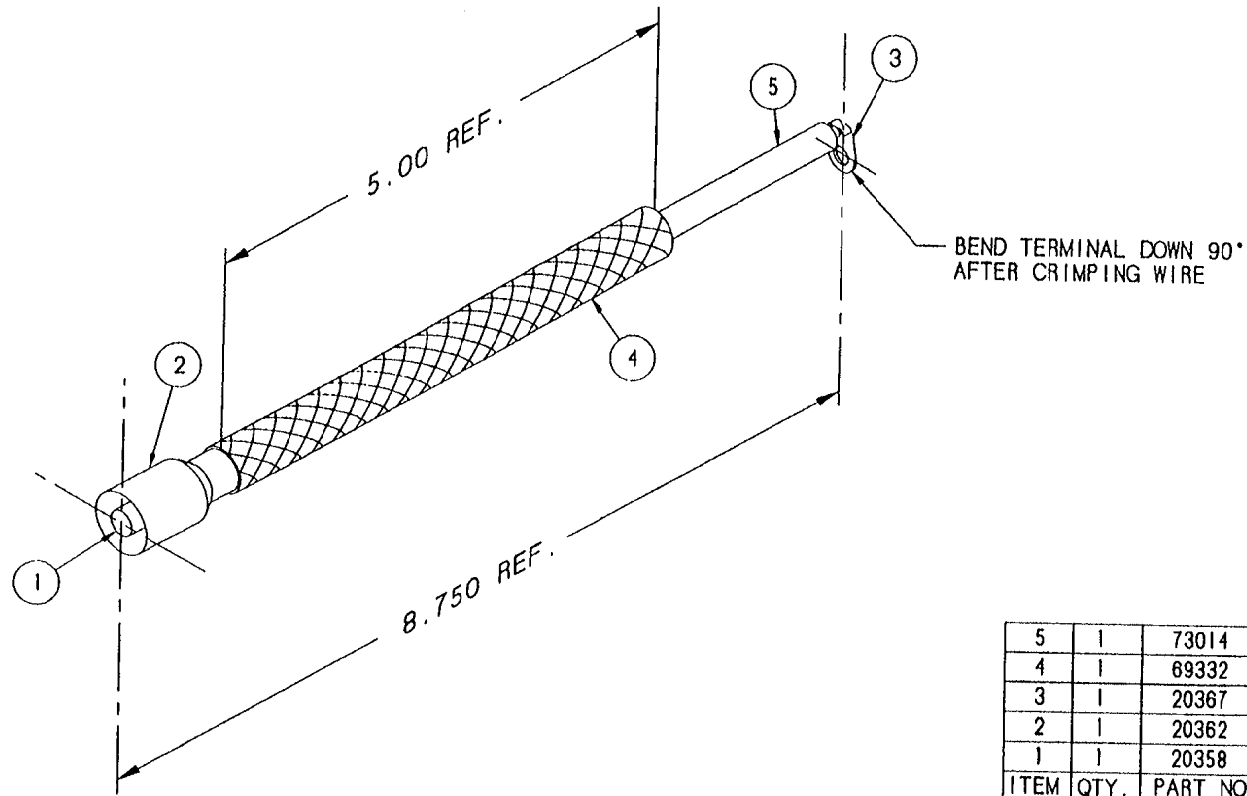
LET.	REVISIONS	DATE	BY
A	WAS C-44097	1-24-84	NEAL
B	ITEM 1 WAS C-52823, ECN 1054	3-6-86	DP
C	ADD P/N B-100314 FOR ITEM 6	3-12-86	DP
D	REDRAW WAS C SIZE, P/N 19163 WAS 19259, E.O. C-2558	2-7-94	EAG

7	1	88149	RETAINER, INSULATION
6	1	100314	INSULATION, IGNITOR BOX
5	5	23111	WASHER, LOCK, INTERNAL TOOTH, #6
4	2	19163	SCREW, #6-32 x .75" LG.
3	1	05101	ELECTRODE, COMBINATION IGNITOR/SENSOR
2	4	14874	NUT, #6-32, HEX
1	1	52808	BOX, IGNITOR, GEN. GAS, 2 PROBE
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	E. LAWRENCE	APPROVED BY	E. HENDESS
ANGULAR	± N/A	TITLE BOX ASM, IGNITOR					
CK	DATE	12-6-94	DRAWING NO.	B - 44096	REV.	D	

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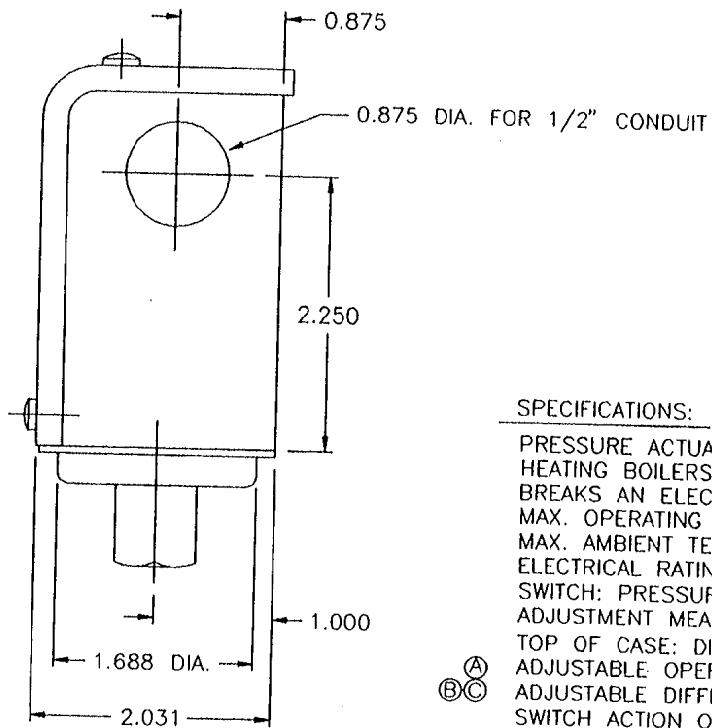
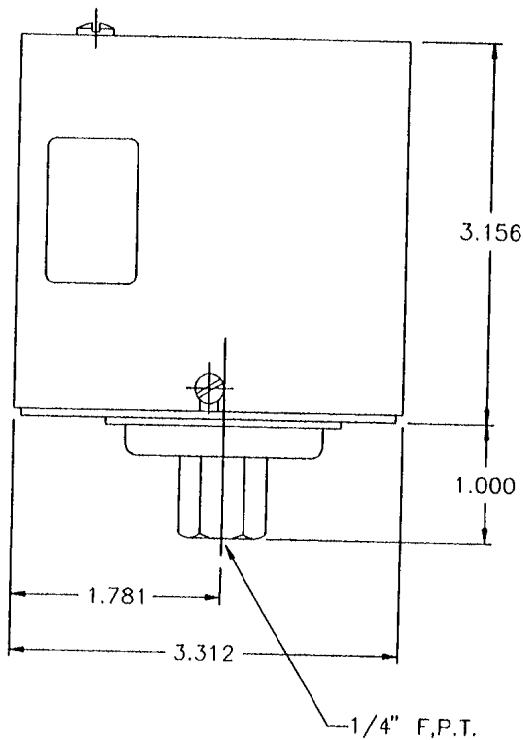
LET.	REVISIONS	DATE	BY
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ITEM	QTY.	PART NO.	DESCRIPTION
5	1	73014	WIRE, RADIX, 9" LONG
4	1	69332	SLEEVE, FIBERGLASS 5" INSULATING
3	1	20367	TERMINAL RING-#6, NON-INSULATED
2	1	20362	INSULATOR, RED SILICONE
1	1	20358	TERMINAL, IGNITION CABLE

TOLERANCES (EXCEPT AS NOTED)		<b>CLEVELAND RANGE INC.</b> 1333 East 179th St. Cleveland, Ohio 44110-2574	
DECIMAL ± N/A	SCALE 1=1	DRAWN BY E. GRIVEAS	APPROVED BY
ANGULAR ± N/A	TITLE CABLE, IGNITION ASSEMBLY		
CK	DATE 11-09-93	DRAWING NO. B -44169	REV. -

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	REVISED ADJ. OPERATING RANGE SPEC.	11-28-84	RMC
-	WAS: 0.5 TO 9 PSI,	-	-
B	WAS: ADDITIVE DIFFERENTIAL	07-07-86	TS
C	WAS: ADJ. DIFFERENTIAL: 1 TO 5 PSI, EO #C-2276	07-31-92	CJP
D	MODEL NO. WAS PA404A (SUBTRACTIVE DIFFERENTIAL)	10-13-92	NLT
	E.O. #2276R1		

SPECIFICATIONS:

PRESSURE ACTUATED HIGH LIMIT SAFETY CONTROL FOR STEAM HEATING BOILERS.  
 BREAKS AN ELECTRICAL CIRCUIT ON PRESSURE RISES.  
 MAX. OPERATING PRESSURE: 20 PSI  
 MAX. AMBIENT TEMPERATURE: 150° F.  
 ELECTRICAL RATING: 8.0 F.L.A. AT 120V. AC  
 SWITCH: PRESSURE ACTUATED SPST, SNAP-ACTION  
 ADJUSTMENT MEANS: OPERATING RANGE SET POINT-SCREW ON TOP OF CASE; DIFFERENTIAL SET POINT-DIAL INSIDE OF CASE.  
 ADJUSTABLE OPERATING RANGE: 3 TO 15 PSI.  
 ADJUSTABLE DIFFERENTIAL: 1 TO 5 PSI; FACTORY SET AT 1 PSI  
 SWITCH ACTION ON PRESSURE FALL: MAKES AT SET POINT MINUS DIFFERENTIAL.  
 SWITCH ACTION ON PRESSURE RISE: BREAKS AT SET POINT.  
 MOUNTING MEANS: 1/4" FEMALE PIPE THREADS

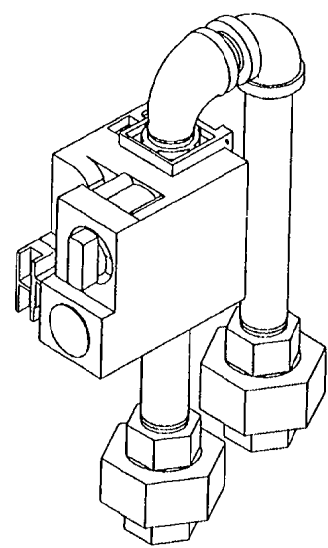
(A)  
(B)  
(C)

APPROVED SOURCE

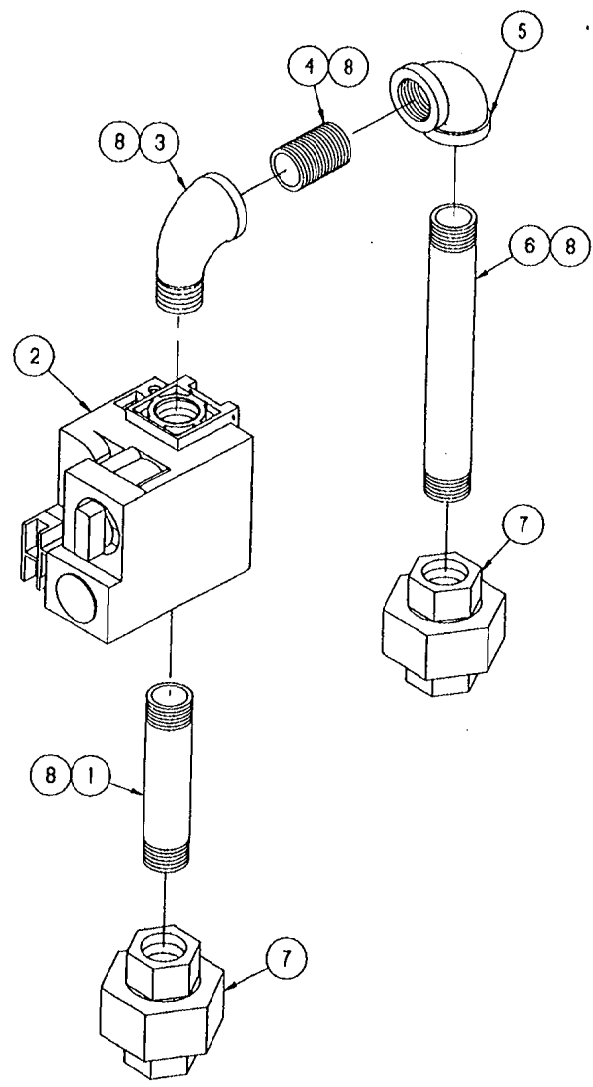
- HONEYWELL  
 MODEL NO. PA404A-1066 Ⓣ  
 U.L. FILE NO. MP466  
 C.S.A. FILE NO. LR1620

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ITEM	QTY	PART NO.	DESCRIPTION
TOLERANCES (EXCEPT AS NOTED)		<b>CLEVELAND RANGE INC.</b> 1333 East 179th St. Cleveland, Ohio 44110-2574	
DECIMAL ±	-	SCALE 1=1	DRAWN BY RJB APPROVED BY
ANGULAR ±	1'	TITLE CONTROL, PRESSURE	
AC	DATE 09-08-76	DRAWING NO. B-19947	REV D



ASSEMBLED VIEW



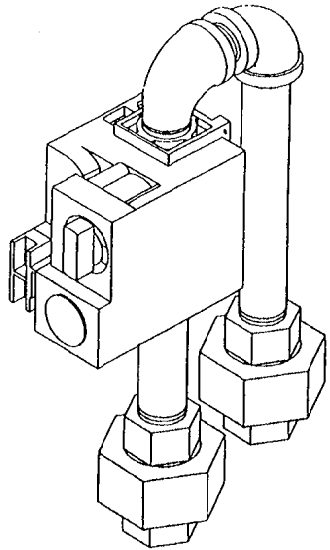
LET.	REVISIONS	DATE	BY
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ITEM	QTY.	PART NO.	DESCRIPTION
8	A/R	00934	SEALANT, RECTORSEAL
7	2	21305	UNION, 3/4", BLACK
6	1	14362	NIPPLE, 3/4" x 7.5" LG., BLACK
5	1	05258	ELBOW, 3/4", 90°, BLACK
4	1	14343	NIPPLE, 3/4" x CLOSE, BLACK
3	1	05259	ELBOW, STREET, 90°, 3/4", BLACK
2	1	22230	VALVE, GAS CONTROL, NATURAL GAS
1	1	14347	NIPPLE, 3/4" x 3" LG., BLACK

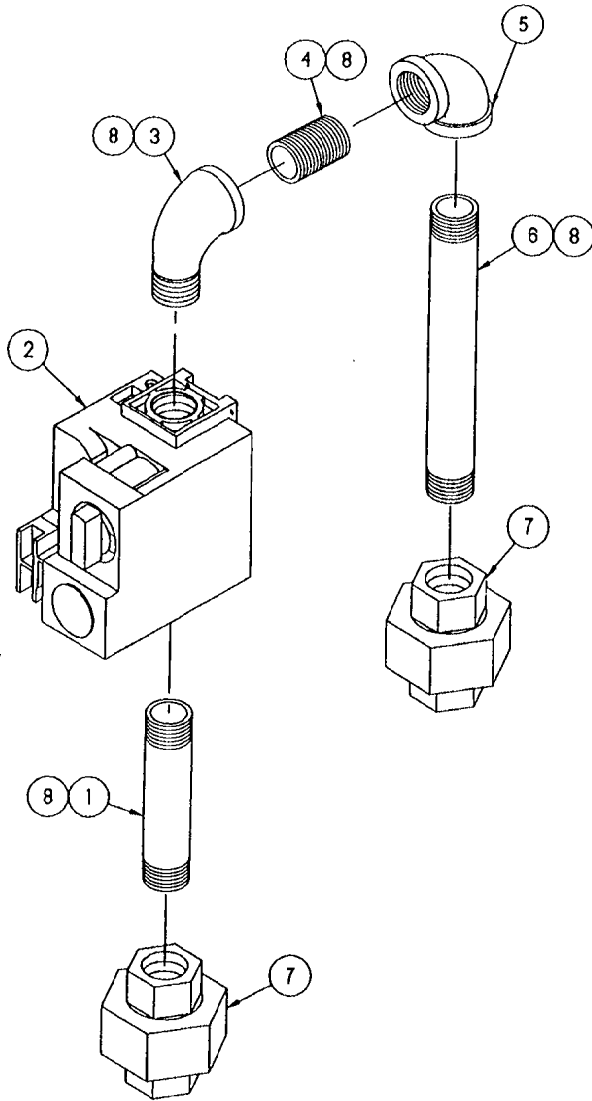
TOLERANCES (EXCEPT AS NOTED)		<b>CLEVELAND RANGE INC.</b> 1333 East 179th St. Cleveland, Ohio 44110-2574	
DECIMAL ± N/A	SCALE 3/8=1	DRAWN BY E. GRIVEAS	APPROVED BY NLT
ANGULAR ± N/A	TITLE VALVE ASSEMBLY, NATURAL GAS- 250/300 BTU		
CK	DATE 11-08-93	DRAWING NO. B - 43664	REV. -

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
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ASSEMBLED VIEW



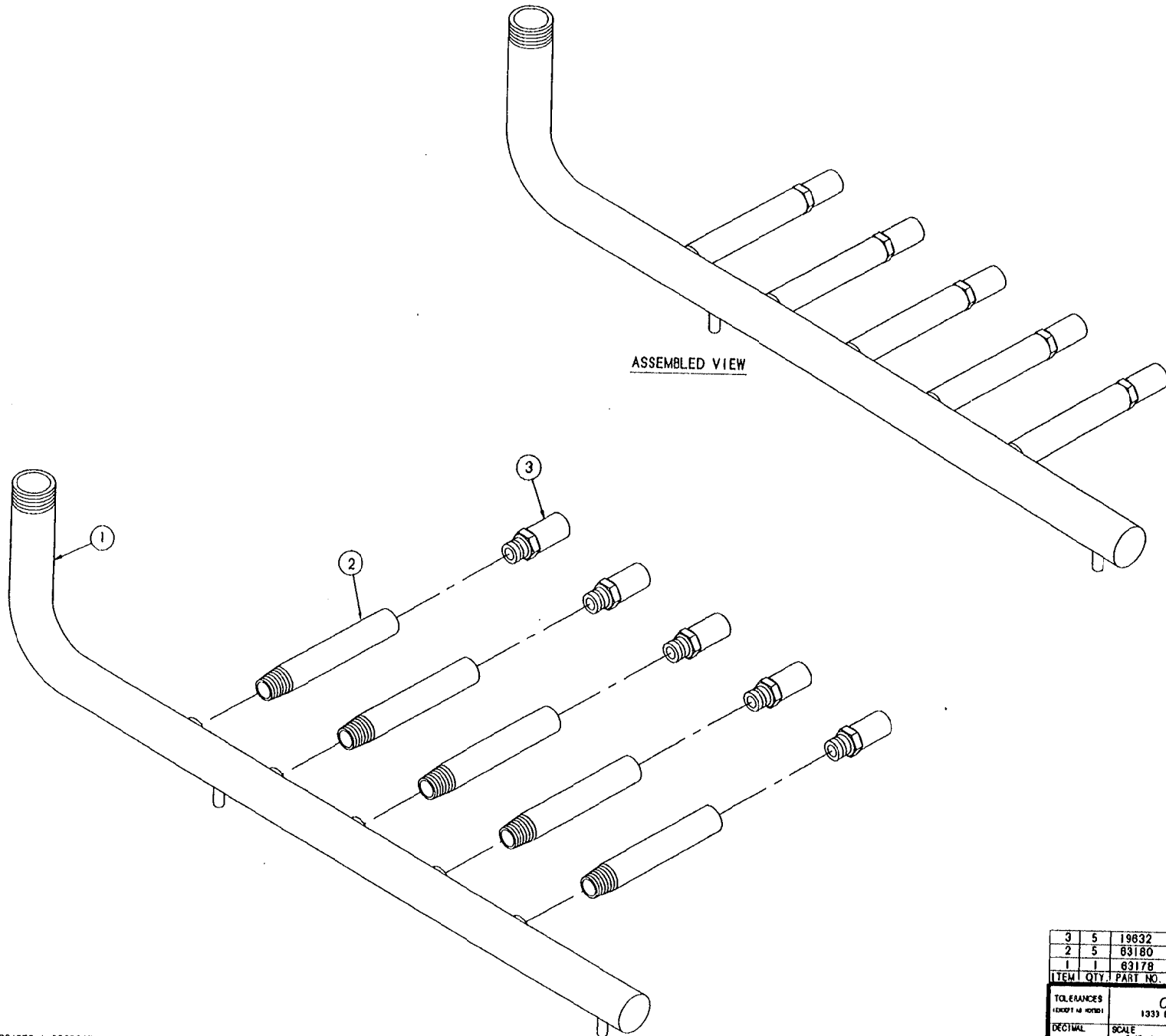
8	A/R	00934	SEALANT, RECTORSEAL
7	2	21305	UNION, 3/4", BLACK
6	1	14362	NIPPLE, 3/4" x 7.5" LG., BLACK
5	1	05258	ELBOW, 3/4", 90°, BLACK
4	1	14343	NIPPLE, 3/4" x CLOSE, BLACK
3	1	05259	ELBOW, STREET, 90°, 3/4", BLACK
2	1	22231	VALVE, GAS CONTROL FOR LP
1	1	14347	NIPPLE, 3/4" x 3" LG., BLACK

ITEM	QTY.	PART NO.	DESCRIPTION
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TOLERANCES (EXCEPT AS NOTED)		<b>CLEVELAND RANGE INC.</b> 1333 East 179th St. Cleveland, Ohio 44110-2574	
DECIMAL ± N/A	SCALE 3/8=1	DRAWN BY E. GRIVEAS	APPROVED BY NLT
ANGULAR ± N/A	TITLE VALVE ASSEMBLY, LIQUID PROPANE- 25' 300 BTU		
CK	DATE 11-09-93	DRAWING NO. B - 43674	REV. -

THIS DESIGN DESCRIBES A PROPRIETARY ITEM AND IS THE PROPERTY OF CLEVELAND RANGE. THIS DRAWING IS TO BE COPIED OR USED WITHOUT THE APPROVAL OF CLEVELAND RANGE.

ASSEMBLED VIEW



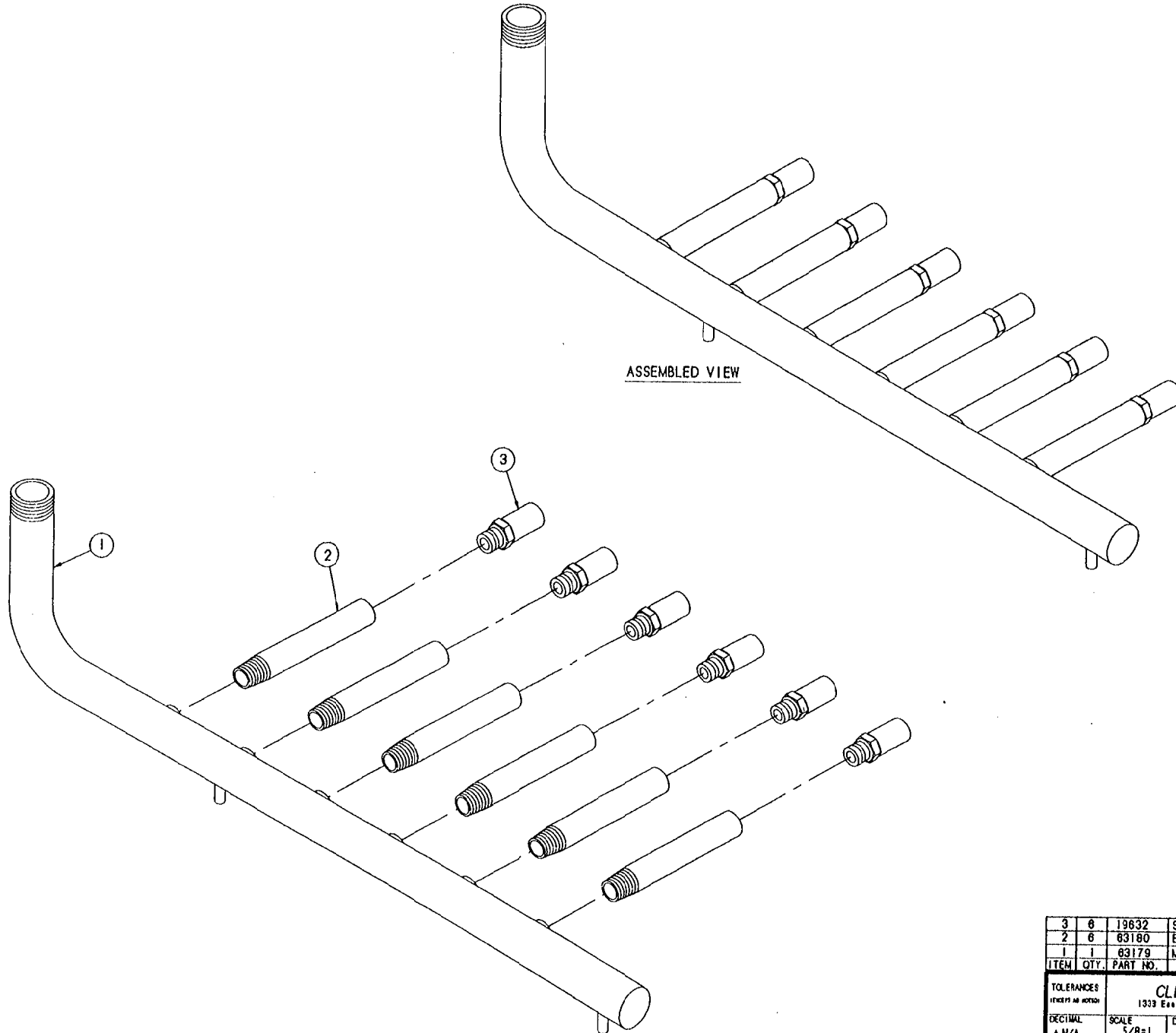
THIS DESIGN DESCRIBES A PROPRIETARY ITEM AND IS THE PROPERTY OF CLEVELAND RANGE. THIS DRAWING IS NOT TO BE COPIED OR USED WITHOUT THE APPROVAL OF CLEVELAND RANGE.

ITEM	QTY.	PART NO.	DESCRIPTION
3	5	19832	SPUDS, ORIFICE HOLDER, 5/8"
2	5	83180	EXTENSION, GAS MANIFOLD
1	1	83178	MANIFOLD, TUBE, 5 BURNER, GAS
			DESCRIPTION

<b>TOLERANCES</b> <small>(UNLESS OTHERWISE SPECIFIED)</small>			
DECIMAL	SCALE	DRAWN BY	APPROVED BY
+ N/A	5/8±1	E. GRIVEAS	NLT
ANGULAR	TITLE	CLEVELAND RANGE INC. 1333 East 179th St. Cleveland, Ohio 44110-2574	
+ N/A	MANIFOLD, ASSM, R/B 5 BURNER, GAS, 250 KBTU		
OK	DATE 11-10-93	DRAWING NO. C - 40921	REV. -

ASSEMBLED VIEW



THIS DESIGN DESCRIBED  
AND IS THE PROPERTY  
THIS DRAWING IS NOT  
WITHOUT THE APPROVAL OF CLEVELAND RANGE.

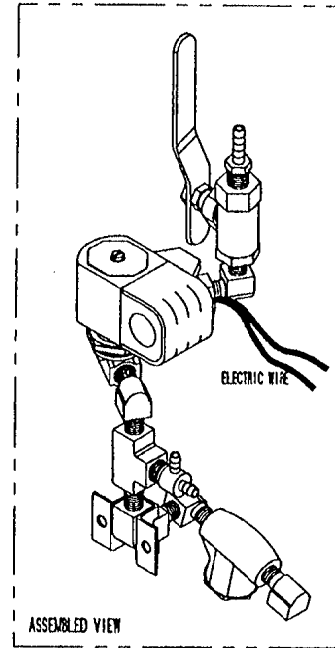
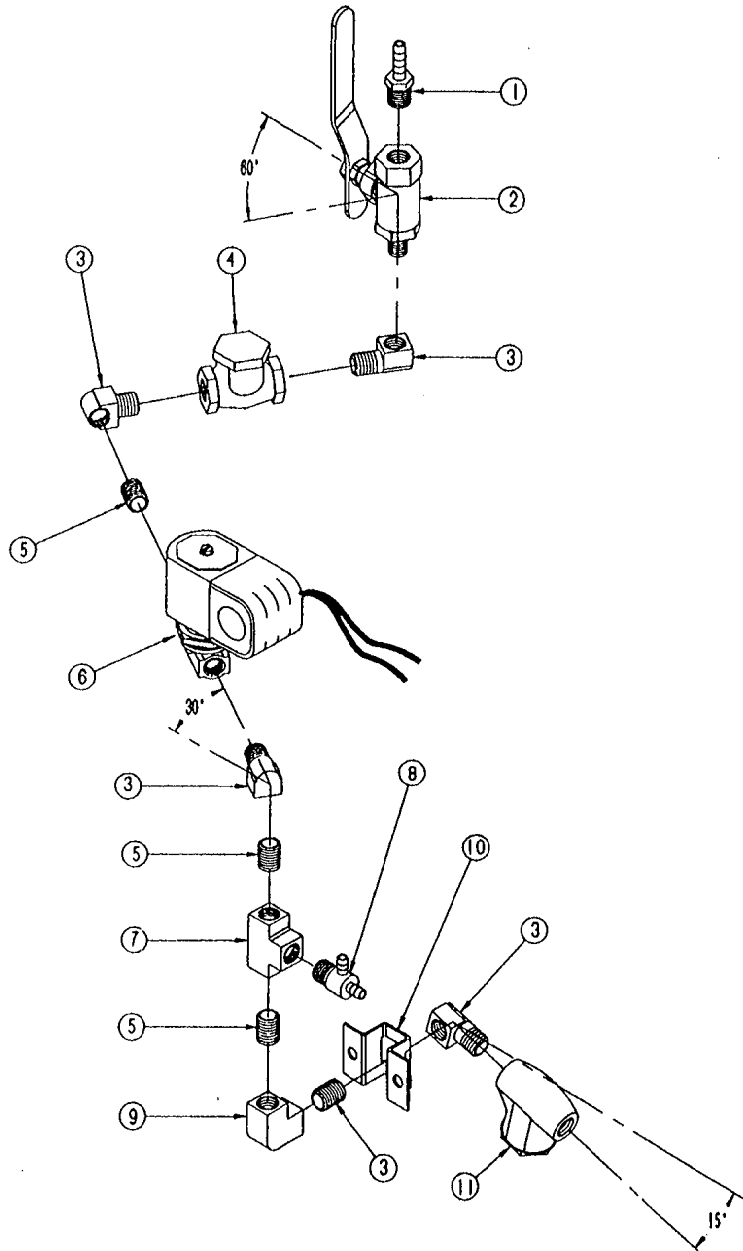
PROPRIETARY ITEM  
/ELAND RANGE.  
COPIED OR USED

3	6	19632	SPUDS, ORIFICE HOLDER, 5/8"
2	6	63180	EXTENSION, GAS MANIFOLD
1	1	63179	MANIFOLD, TUBE, & BURNER, GAS
ITEM	QTY.	PART NO.	DESCRIPTION

TOLERANCES (EXCEPT AS NOTED)			
DECIMAL	SCALE	CLEVELAND RANGE INC. 1333 East 179th St. Cleveland, Ohio 44110-2574	
± N/A	3/8±1	DRAWN BY E. GRI	APPROVED BY MLT
ANGULAR	TITLE	MANIFOLD, TUBE, & BURNER, GAS	
± N/A			1/8 KBTU
DATE	DRAWING NO.	REV	
11 10 00	C - 410022		

NOTE: 1. MOUNT P/N 100064 TO LOWER RIGHT FRONT CUSSET (BASE FRAME).



LET	DESCRIPTIONS	DATE	BY
G	ADDED 440702 PER E.O. C-1789	09-21-90	GS
H	P/N 08218 REMOVED FROM 440702 PER E.O. IC-1994	08-13-91	PJD
J	P/N 08195 REMOVED FROM 440702 PER E.O. IC-2082	11-26-91	SM
K	MOVED 440701 TO SEPERATE DRAWING	01-21-92	SM
L	NEW VALVE HOUSING ON P/N 22223 (PICTORIAL ONLY) E.O. IC-2221 RI	02-04-93	PJD
M	REMOVED ASSY 440702, P/N 104381 WAS 08218, P/N 108588 WAS 08195, PER E.O. IC-2448	08-22-93	EAG

SEE NOTE 1



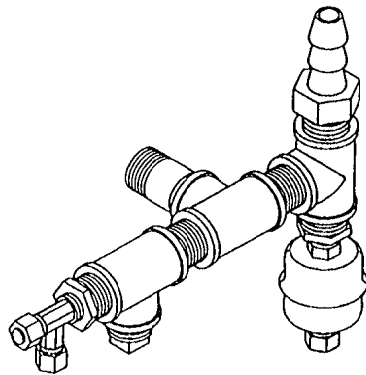
QTY.	ITEM	PART No.	DESCRIPTION
	11	19870	STRAINER, "V" 1/4
	1	100064	CLAMP, MOUNTING
	1	9	05236 ELBOW, 1/4 90° BRASS
	1	8	108588 TEE, 1/4" HOSE BARB
	1	7	20159 TEE, 1/4 BRASS
	1	6	22223 VALVE, SOLENOID 1/4 NPT 1G/2001
	4	4	14301 NIPPLE, CLOSE 1/4 BRASS
	1	4	22102 VALVE, CHECK 1/4 NPT
	4	3	05235 ELBOW, STREET 1/4-90 BRASS
	1	2	03278 VALVE, BALL 1/4 NPT
	1	1	104381 FITTING, HOSE 1/4 H X 1/4 NPT

TOLERANCES UNLESS OTHERWISE NOTED			
DECIMAL	SCALE	DRAWN BY	
2 N/A	1/2	ABDU	
ANGULAR	TITLE		APPROVED BY
2 1"	PIPING ASSY., WATER FEED CONVECTION STEAMER ELECTRIC, AND GAS		D.S.
OK	DATE	DRAWING NO.	REV.
	09-14-90	C- 44070	M

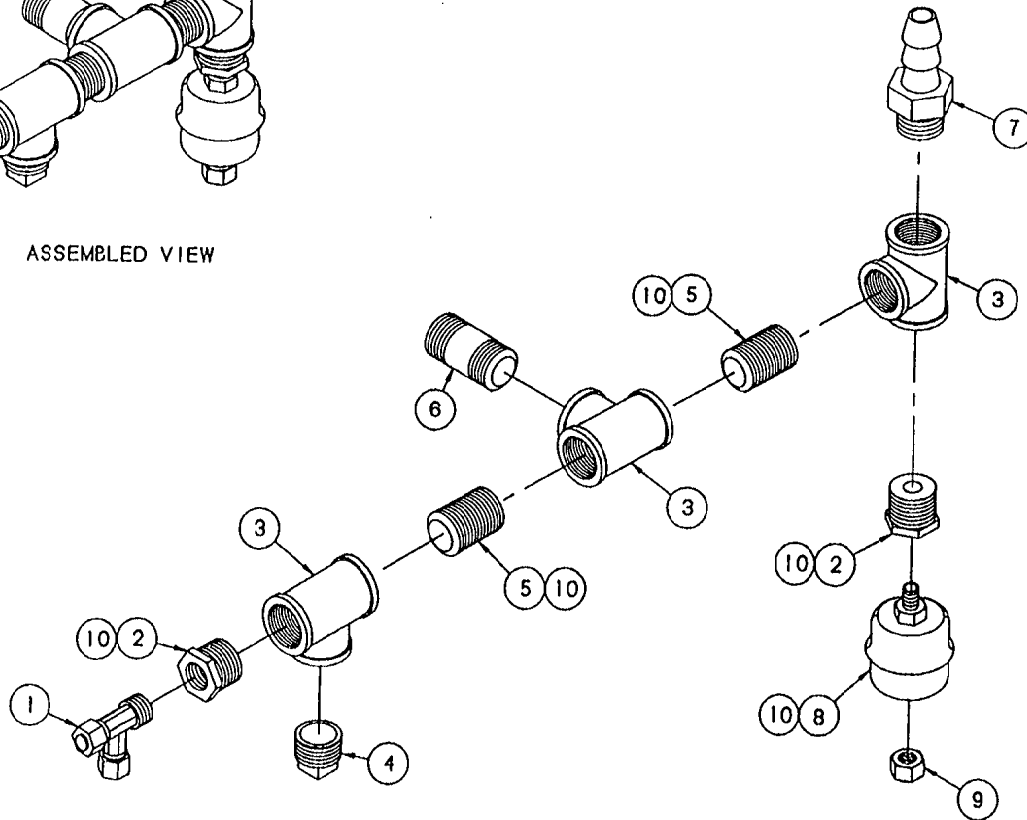
THIS DESIGN DESCRIBES A PROPRIETARY ITEM AND IS THE PROPERTY OF CLEVELAND RANGE. THIS DRAWING IS NOT TO BE COPIED OR USED WITHOUT THE APPROVAL OF CLEVELAND RANGE.

LET.

DATE BY



ASSEMBLED VIEW



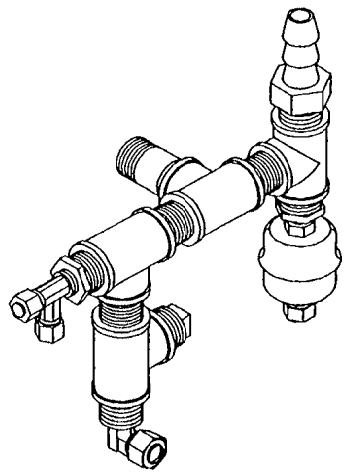
THIS DESIGN DESCRIBES A PROPRIETARY ITEM AND IS THE PROPERTY OF CLEVELAND RANGE. THIS DRAWING IS NOT TO BE COPIED OR USED WITHOUT THE APPROVAL OF CLEVELAND RANGE.

ITEM	QTY.	PART NO.	DESCRIPTION
10	A/R	00934	SEALANT, RECTORSSEAL
9	1	14681	NUT, COMPRESSION, 1/4 TUBE, BRASS
8	1	101207	TRAP, THERMOSTATIC, 1/4" X 1/4"
7	1	08240	FITTING, HOSE BARB 3/4 HOSE X 3/4 MPT BRASS
6	1	14431	NIPPLE, 3/4 X 2, BRASS
5	2	14342	NIPPLE, 3/4 X CLOSE, BRASS
4	1	18807	PLUG, SQUARE HEAD, 3/4, BRASS
3	3	20298	TEE, 3/4 BRASS
2	2	02583	BUSHING, REDUCING, 3/4 X 1/4, BRASS
1	1	100883	FITTING, COMP., TEE 3/8T X 3/8MPT X 3/8T

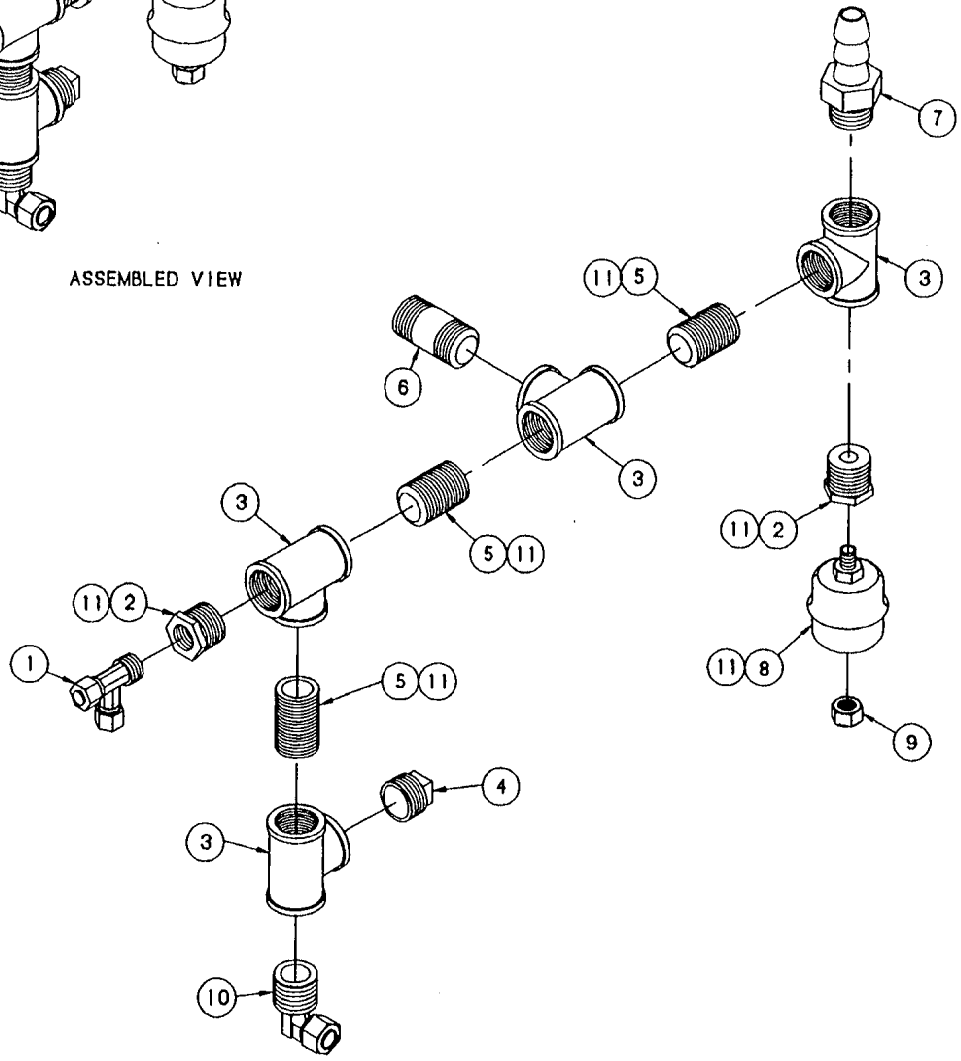
TOLERANCES  
(EXCEPT AS NOTED)

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

DECIMAL ± N/A	SCALE 1/2=1	DRAWN BY E. GRIVEAS	APPROVED BY NLT
ANGULAR ± N/A	TITLE STEAM OUTLET ASSEMBLY REV. BEND GENERAL	DATE 10-07-00	
DRAWING NO. C-100100		REV.	



ASSEMBLED VIEW

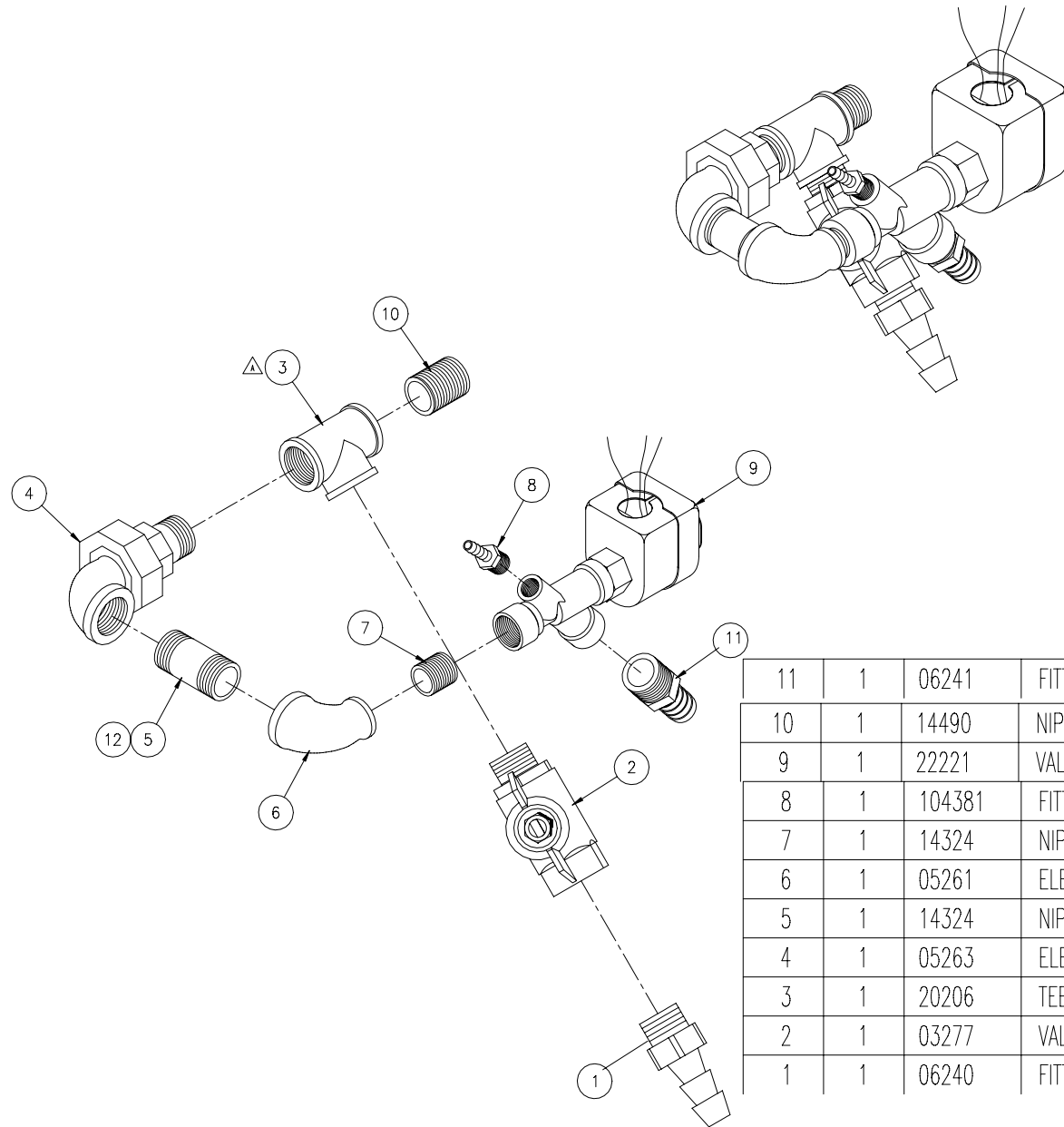


ITEM	QTY.	PART NO.	DESCRIPTION
11	A/R	00934	SEALANT, RECTORSEAL
10	1	06187	FITTING, COMPR., 90 DEG. 1/2T X 3/4MPT
9	1	14881	NUT, COMPRESSION, 1/4 TUBE, BRASS
8	1	101207	TRAP, THERMOSTATIC, 1/4" X 1/4"
7	1	06240	FITTING, HOSE BARB 3/4 HOSE X 3/4 MPT BRASS
6	1	14431	NIPPLE, 3/4 X 2, BRASS
5	3	14342	NIPPLE, 3/4 X CLOSE, BRASS
4	1	18807	PLUG, SQUARE HEAD, 3/4, BRASS
3	4	20208	TEE, 3/4 BRASS
2	2	02563	BUSHING, REDUCING, 3/4 X 1/4, BRASS
1	1	100883	FITTING, COMPR., TEE 3/8T X 3/8MPT X 3/8T

TOLERANCES (EXCEPT AS NOTED)			
<b>CLEVELAND RANGE INC.</b> 1333 East 179th St. Cleveland, Ohio 44110-2574			
DECIMAL ± N/A	SCALE 1/2=1	DRAWN BY D. DODSON	APPROVED BY MLT
ANGULAR ± N/A	TITLE STEAM OUTLET ASSY., 42CREW/42CHGM REV. BEND GENERATOR		
CK	DATE 2-03-94	DRAWING NO. C - 428126	REV. -

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LET.	REVISIONS	DATE	BY
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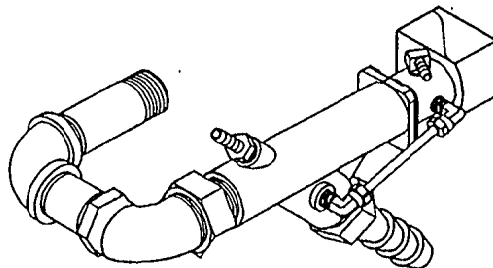
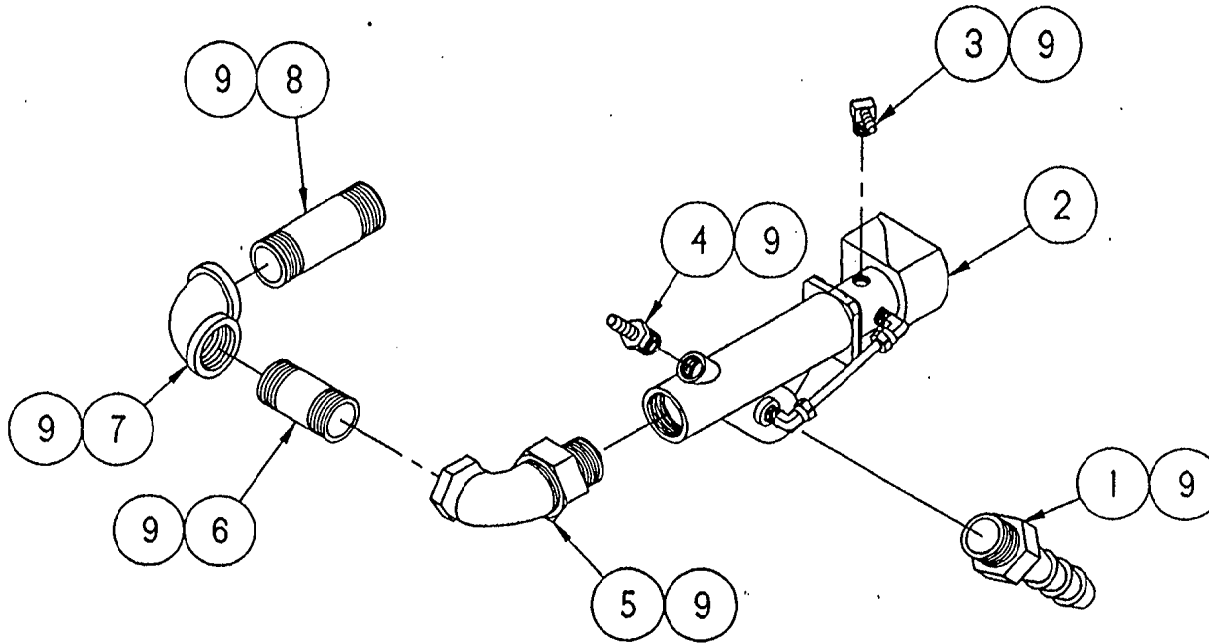
11	1	06241	FITTING, HOSE BARB, 3/4"H x 1/2"MPT
10	1	14490	NIPPLE, 3/4" x CLOSE, S/S
9	1	22221	VALVE, ASCO HV220649
8	1	104381	FITTING, HOSE BARB, 1/4"H x 1/4" NPT
7	1	14324	NIPPLE, 1/2" x CLOSE, BRASS
6	1	05261	ELBOW, 3/4" x 1/2" x 90°
5	1	14324	NIPPLE, 3/4" x 2", BRASS
4	1	05263	ELBOW, 90° RADIATOR, 3/4"
3	1	20206	TEE, 3/4", BRASS
2	1	03277	VALVE, BALL, 3/4" (W/OUT HANDLE)
1	1	06240	FITTING, HOSE BARB, 3/4"H x 3/4" MPT

ITEM	QTY	PART NO.	DESCRIPTION
<b>CLEVELAND RANGE, LLC</b>			
1333 East 179th St., Cleveland, Ohio 44110-2574			
<small>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.</small>			
TOLERANCES (UNLESS OTHERWISE NOTED)	DO NOT SCALE PRINTED DRAWING	DRAWN BY S.MILEWSKI	DATE 7-18-91
DECIMAL ±.030	TITLE PIPING ASSEMBLY, BLOWDOWN 600 MM, GAS		
ANGULAR ± 1°	SIZE C	DRAWING NO. 40811	SHEET 1 OF 1 REV J

NOTES:

1. ROTATE TOWARDS S/S NIPPLE ABOUT 45° FOR SMALL GAS PRESSURES (1J).

LET	REVISIONS	DATE	BY
A	P/N 20208 WAS 20219. EO #2013	11-13-91	SM
B	ROTATED P/N 03277 & ADDED NOTE 1	01-18-92	SM
C	P/N 08210 WAS 08211, P/N 22211 WAS 22221, P/N 104381 WAS 08218, P/N 05280 WAS 05281, P/N 14495 WAS 14490, P/N 105787 ADDED, AND P/Ns 03277, 20208 & 14324 OMITTED PER E.O. #C-2118	08-18-93	PJO



NO.	QTY.	PART NO.	DESCRIPTION
9	1	00931	SEALANT, RECTORSOL
8	1	14495	NIPPLE, 3/4 NPT X 3, S/S
7	1	05280	ELBOW, 3/4 X 3/4, 90°
6	1	14431	NIPPLE, 3/4 X 2, BRASS
5	1	05283	ELBOW, RADIATOR, 3/4 X 90°
4	1	104381	FITTING, HOSE BARB, 1/4 H X 1/4 NPT
3	1	105787	FITTING, HOSE BARB, 1/4 H X 1/8 NPT 90°
2	1	22211	VALVE, SOLENOID, 1/2", 15 PSI
1	1	08210	FITTING, HOSE BARB, 3/4 H X 3/4 NPT

<b>CLEVELAND RANGE INC.</b> 1333 East 179th St. Cleveland, Ohio 44110-2571			
DECIMAL	SCALE	DRAWN BY	APPROVED BY
± N/A	H. I. S.	S. MILEWSKI	DIP
ANGULAR	TITLE		
± N/A	PIPING ASSEMBLY, BLOWDOWN 380CCH, 380CM16, 380PCCH, PCM		
OK	DATE	DRAWING NO.	REV.
	11-07-91	C - 408111	C

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