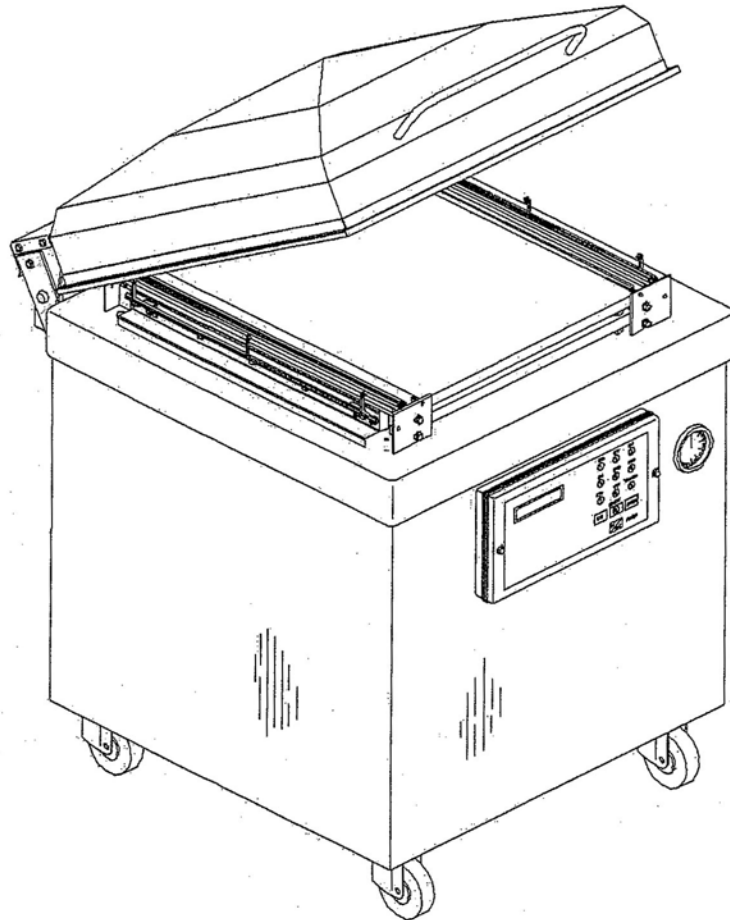


VACUUM PACKAGING MACHINE

MODEL 550A



OWNERS MANUAL **(MANUEL D'UTILISATION)** **(MANUAL DE UTILIZACION)**

Safe Operation Practices



This symbol points out important safety instructions which, if not followed, could endanger the personal safety and/or property of yourself and others. Read and follow all instructions in this manual before attempting to operate your machine.

Failure to comply with these instructions may result in personal injury.

General Operation

- Read, understand, and follow all instructions in the manual and on the machine before starting. Keep this manual in a safe place for further and regular reference and for ordering replacement parts.
- Only allow responsible individuals familiar with the instructions to operate the machine. Be sure to know controls and how to stop the machine quickly.
- Never put your hands near moving parts.
- Only allow qualified individuals for the maintenance of your machine.
- Remove all obstacles, which may interfere with the machine functions.
- Clear the work area such as electrical wires, buckets, knives etc.
- Be sure that everyone else is clear of your work area before operating the machine.
- Do not sit nor stand on the machine.
- Always turn off the machine after your work is done. Never leave a running machine unattended.
- Always disconnect and wait till the machine has cooled before attempting any maintenance.
- Do not wear loose fitting clothes or jewelry as they may get caught in moving parts of the machine.
- Always wear security shoes, to prevent injury caused by moving the machine or objects falling from the machine.
- Never exceed the time limit to seal, which is recommended by the manufacturer. This is to avoid any damage that may be caused to the sealing bars and to eliminate the risk of fire in the machine. Thus avoiding corporal burns.
- Never touch the sealing bars after they have been used, this will avoid corporal burns. Wait a few minutes to let the machine cool down before touching.
- Always make sure that the sealing bars are well installed in their "Guide Blocks" before starting a cycle.
- Never incline the machine more than 30 degrees, it may tip over and hurt someone seriously.
- Work only in daylight or good artificial light.

Do not operate the machine while under the influence of alcohol or drugs!

Service

- Use proper containers when draining the oil. Do not use food or beverage containers that may mislead someone into drinking from them. Properly dispose of the containers, or store in a safe place immediately following the draining of the oil.
- Prior to disposal, determine the proper method to dispose of waste from your local office of Environmental Protection Agency. Recycling centers are established to properly dispose of materials in an environmentally safe fashion.

Do not pour oil or other fluids into the ground, down a drain or into a body of water.



Warning-Your responsibility:

This machine should only be operated by personal who can read, understand and respect warnings and instructions regarding this machine in the owners manual.

INSTALLATION NOTICE FOR MODELS:

420A, 450T, 450A, 550A, 580A, 600A, 620A, 650A, 680A and 700A

IN ORDER TO RESPECT NSF REGULATIONS:

A plastic cap has been installed over the table top vacuum inlet. Used for cleaning purposes only and is to be removed prior to operating the machine.

VACUUM PACKAGING MACHINE

MODEL 550A

(MC-40)

GENERAL TABLE OF CONTENTS

I OPERATION INSTRUCTIONS

II MECHANICAL

- A- 550A Front view assembly drawing
- B- 550A Rear view assembly drawing
- C- P.C. board support drawing
- D- 550A Structure assembly drawing
- E- Seal bar assembly drawings (twin seal)
- F- Seal bar assembly drawings (electrical bag cut option)
- G- Seal bar assembly drawings (top and bottom sealing option)
- H- Cover assembly drawings
- J- Gas injection kit installation drawing
(gas injection option)

III ELECTRICAL

- A- Electrical drawings

IV PNEUMATIC

- A- Pneumatic drawing

VACUUM PACKAGING MACHINES

OPERATION INSTRUCTIONS

TABLE OF CONTENTS

1. Setting up the machine
2. Electrical connection
3. Operation
 - 3.1 Working principles
 - 3.2 Special packaging
 - 3.2.1 Gas flushing
 - 3.2.2 Top and bottom sealing (bi-active)
 - 3.2.3 Electrical bag cut
 - 3.3 Setting of digital controls
 - 3.4 Daily cleaning
4. Trouble shooting
 - 4.1 Failure during a packaging cycle
 - 4.2 Insufficient vacuum
 - 4.2.1 Leakage in the bag
 - 4.2.2 No leakage in the bag
 - 4.2.3 Insufficient vacuum in the chamber
 - 4.3 Faulty seal
 - 4.3.1 Insufficient seal
 - 4.3.2 No seal
 - 4.3.3 Permanent sealing current
 - 4.3.4 Seal does not stick
 - 4.4 Fault in the valves
 - 4.5 Control board failure
5. Regular maintenance

SIPROMAC INC. VACUUM PACKAGING MACHINES

I. SETTING UP THE MACHINE:

Before choosing the site for the machine, please consider that you will also need room for packaged and non-packaged products apart from the space needed for the machine itself.

Keep in mind that the machine must not be set up upon uneven ground. Especially with mobile models, the weight of the pump might then cause warping of the machine. Then the lid will not fit correctly.

Before starting to work, check the oil view glass on the pump, if there is a sufficient quantity of oil in the pump. Never use oil other than recommended by the producer. Never exceed maximum quantity of oil indicated, when adding or changing oil. Verify weekly.

Due to the oil viscosity, the machine is hard to start when temperatures are very low. Therefore the pump should be put in a room with an air temperature of at least 50°F (+10°C). On the other hand, there must be free access of air to the pump to allow for cooling so that operation temperature of 160°F (70°C) is not exceeded.

2. ELECTRICAL CONNECTION:

Electrical connections must be made by qualified personnel. This person must make sure that the electrical entries corresponds to the proper voltage and amperage of the machine.

All vacuum machines are supplied with an electrical schematic drawing.

An important step in connecting the machine is to make sure that the pump turns in its correct rotation.



The pump should not rotate more than 3 to 4 seconds in the wrong rotation or it may cause serious damage. The proper rotation is indicated by an arrow on the pump motor.

3. OPERATION:

3.1 Working principles:

A vacuum packaging cycle is made of 3 stages. First the vacuum is made, the air is completely taken out of the chamber and from bag containing the product. (See figure 1). Then it is possible to inject neutral gas from the nozzles, if the product is delicate. Finally, a mechanism pushes the sealing bar to the rubber support to seal the bag.

To obtain nice packages, the products and the bags have to be of proportional sizes. The bag's opening should never exceed 50 cm(2") past the seal bars. The product should be centered in height in relation to the seal bar by adjusting the spacers provided.

To obtain a good seal, make sure that no residue of fat is left between the bag's inner sides where sealing is done.

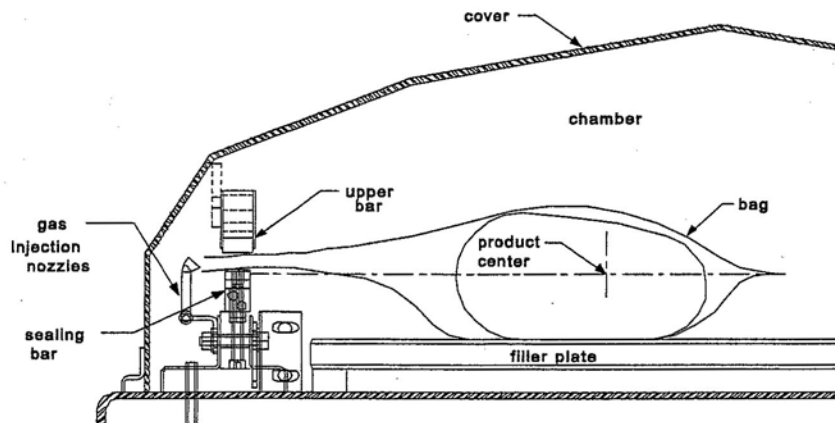


FIGURE 1

3.2 Special packaging:

3.2.1 Gas flushing (option):

There is an atmospheric pressure of 1 kg/ sq. cm (14 lbs/sq. inch) upon products when fully evacuated. Products which can be damaged by high pressure must be packaged with a partial vacuum, or the pressure must be counterbalance by inflating the bag with gas (nitrogen or carbon dioxide) before sealing after evacuation.

For gas flushing, the bags are placed on the sealing bars, the open end placed over the gas nozzles mounted alongside the sealing bar. After evacuation, the vacuum valve closes and the gas valve opens. Gas time (sec.) can be set in the program menu.

The necessary gas tank and pressure valve mounted on tank is not supplied, The pressure of the gas regulator should be set at approximately 1/3 kg/sq. cm (5 lbs/sq.inch.). Each machine has an adaptor for gas connection when gas flush option is ordered.

3.2.2 Top and bottom sealing (optional):

When sealing aluminium laminate bags (especially bags for e.g. coffee) it is imperative to have an upper and a lower sealing bar.

3.2.3 Electrical bag cut (optional):

This option is used to obtain a package that the excess bagtail is cut off close to the seal (cannot be used with top and bottom sealing).

3.3 Vacuum packaging operation:

3.3 Vacuum packaging operation:

Note: Refer to the menus structure on page 10 and the keyboard detail on page 11.

3.3.1 Basics:

Use key "POWER" to power ON / OFF the vacuum packaging machine. When the unit is energized, the identification of the last executed program is displayed on LCD screen.

Use the "ESC" key to change over from the programs menu to the functions menu and from the functions menu to the programs menu.

In functions menu, use key "SELECT" to select a function and key "ENTER" to accede and executed the selection.

In programs menu, use key "SELECT" to select a program and key "ENTER" to accede and modify the selection.

In programs submenu, use key "ENTER" to pass over the parameters and point to the following one; the parameters are blinking to point out the acquisition mode. A return to programs menu is performed automatically following the last parameter acquisition.

In program submenu, use key "ESC" to get back to the programs menu. Strike any key to clear the error messages which may be displayed on LCD screen.

3.3.2 Functions:

3.3.2.1 Create a program:

When executing the "create a program" function, the program submenu is acceded, starting with the identification. The initial identification "Pxx NO NAME" is given to the program and all parameters are established to zero; the program number is allocated automatically.

3.3.2.2 Delete a program:

When executing the "delete a program" function, the programs menu is acceded and the number of the first program in memory is blinking to point out the deletion mode. Use key "SELECT" to select a program and key "ENTER" to accede and confirm deletion of the selection. Use key "ESC" to unconfirm a deletion and to leave the function. When leaving the function, the number of the actual program on LCD screen cease to blink.

3.3.2.3 Select operating mode:

When executing the "select operating mode" function, which is available only for the automatic units, the actual selection is blinking to point out the acquisition mode. Use key "SELECT" to get through the operating modes, which are automatic, semi-automatic and manual; the validation of the selected operating mode is performed automatically. Use key "ESC" or "ENTER" to leave the function and get back to the program menu.

3.3.3 Programs menu:

3.3.3.1 Program identification:

For a selected program, set the identification, using the numeric keyboard characters chart; press numeric key until the desired character is selected (4 times for the numeric value). Use key "ENTER" to validate the character and to validate the characters string at the end (the new characters string is blinking). In a middle of an acquisition, use key "ESC" to come backward and erase one or several characters.

Example:EXAMPLE 1 →
(9 characters)

keys 2, 2, ENTER	→ E
keys 8, 8, 8, ENTER	→ X
keys 1, ENTER	→ A
keys 5, ENTER	→ M
keys 6, ENTER	→ P
keys 4, 4, 4, ENTER	→ L
keys 2, 2, ENTER	→ E
keys 9, 9, 9, ENTER	→ space
keys 1, 1, 1, 1, ENTER	→ 1

key ENTER to validate the characters string

3.3.3.2 Vacuum time setting:

For a selected program set the vacuum time, in seconds; the validation is automatically performed following the second digit entry (the new vacuum time is blinking). In a middle of an acquisition, use key "ENTER" to validate the vacuum time and key "ESC" to come backward and start over with a new acquisition (the old vacuum time is blinking).

Examples: 1s → keys 0, 1 or 1, ENTER
15s → keys 1, 5

3.3.3.3 Gas time setting:

For a selected program set the gas time setting following the same procedure as for the vacuum time. Keep in mind that increasing gas time decrease sealing pressure. Some vacuum must be kept inside to assure proper functioning.

3.3.3.4 Sealing time setting:

For a selected program set the sealing time, starting with the seconds; the decimal point is automatically inserted following the first digit entry and the validation is automatically performed following the third digit entry (the new sealing time is blinking). The sealing time is truncated to the nearest half hundredth. In a middle of an acquisition, use key "ENTER" to validate the sealing time and key "ESC" to come backward and start over with a new acquisition (the old sealing time is blinking).

Examples: 4.50s → keys 4, 5, 0 or 4, 5, ENTER or
 keys 4, 5, 1 or 4, 5, 2 or 4, 5, 3 or 4, 5, 4
 2.35s → keys 2, 3, 5 or
 keys 2, 3, 6 or 2, 3, 7 or 2, 3, 8 or 2, 3, 9
 0.00s → keys 0, 0, 0 or 0, ENTER

3.3.4 Vacuum cycle execution:

For the manual units and the automatic units set on manual, close the cover to initiate a vacuum cycle. For the automatic units set on semi-automatic or on automatic, use push button "STOP / START" to initiate or interrupt a vacuum cycle. A selected program can be initiated only in the programs menu, when no modifications are in progress, and the access to the other programs and functions is denied. During cycle execution the operation status is sequentially displayed on LCD screen, except for the parameters established to zero, which are not displayed:

- vacuum time status during vacuum sequence,
- gas time status during gas flush sequence,
- sealing time status during sealing sequence,
- ATM message level during atmosphere sequence.7

During cycle execution, use key "1" to abort the vacuum sequence and execute the following sequence, which is gas flush or sealing, and key "ENTER" to accede and modify the program; the parameters become valid only for the following vacuum cycles.

3.3.5 System monitor:

To accede the diagnostics menu, power up the vacuum packaging machine while keeping pushed in the "ESC"key. Use key "SELECT" to select the system monitor function and key "ENTER" to accede and visualize the monitored parameters. Use key "SELECT" to change over from the software revision, the amount of working hours done and the amount of complete cycles performed since first initialization.

-MENUS STRUCTURE-

- **Functions menu:**

"F1 CREATE A PRGM"

"F2 DELETE A PRGM"

"F3 SELECT OPMODE" (automatic units only)

- **Programs menu:**

"Pxx NAME"

Program submenu:

"VACUUM: xx.xs" (10 – 199s)

"GAS FLUSH: xx.xs" (0 – 99s) (units with gas option)

"SEAL TIME: x.xxs" (0.00s - maximum unit allocated setting)

"Pxx NAME" (12 characters)

- **Diagnostics menu** (keys "ESC" & "POWER" for access):

"DIAGNOSTICS MENU" (access code required)

"D1 INPUTS TEST"

"D2 OUTPUTS TEST"

"D3 MODEL SELECT"

"D4 GAS OPTION"

"D5 SEALING TIME"

"D6 COOLING TIME"

"D7 OFFSET CALIB."

"D8 VACUUM SENSOR"

"D9 SIPROMAC PUB"

"D10 LOADING TIME" (automatic units only)

"D11 UNLOADNG TIME" (automatic units only)

"SYSTEM MONITOR" (no access code required)

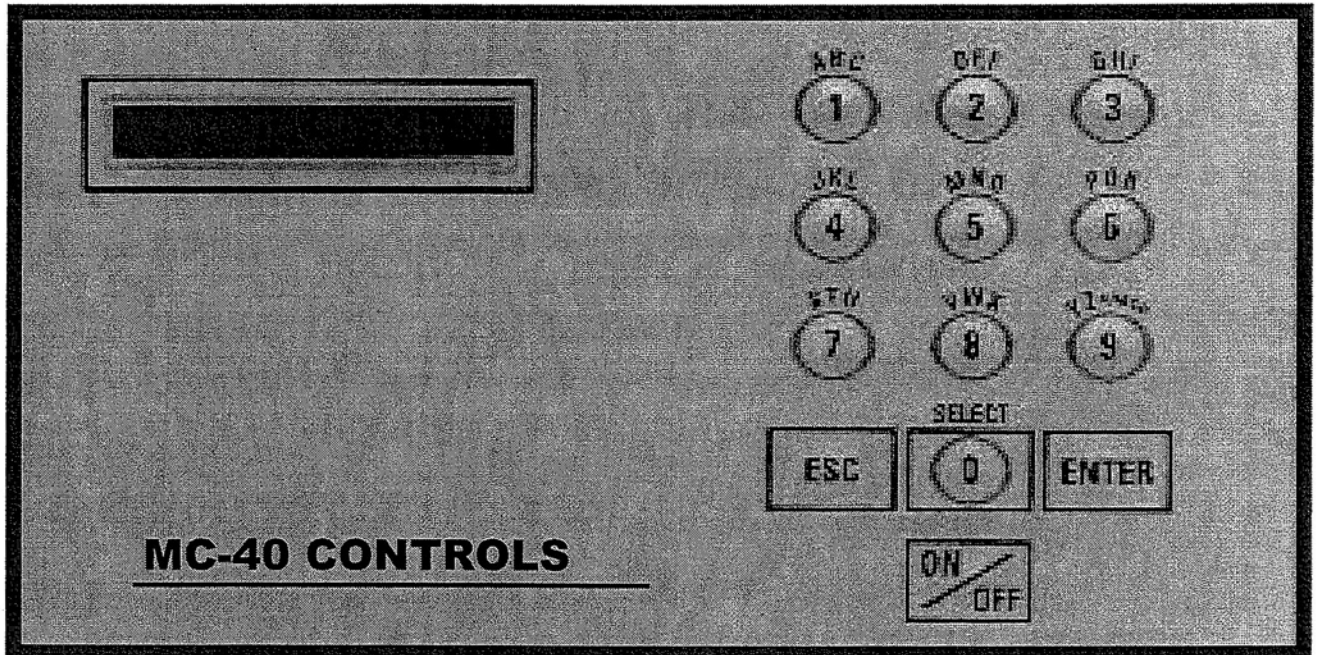
"SOFTWARE: R x.xx"

"WORK HRS: xxxxx"

"CYCLES: xxxxxxx"

-KEYBOARD DETAILS-

MC-40 CONTROLS





WARNING: All electrical work described in this brochure should be done by a QUALIFIED and AUTHORIZED technician.

3.4 Daily cleaning:

For hygienic cleanliness, it is imperative to clean chamber and spacers daily. Also clean the lid rubber to assure tight seat of the lid.

4. TROUBLE SHOOTING:

4.1 Failure during packaging cycle:

4.1.1 "COVER DOWN ERROR" message is displayed on LCD(manual units):

The input signal of the down position switch has been lost during cycle execution.
- Check limit switch adjustment.

4.2 Insufficient vacuum:

4.2.1 Leakage in the bag:

Most frequently, insufficient vacuum in bags is due to leakage in bag and not due to any fault of the machine.

Pin-hole leak for which there is no obvious explanation is due to faulty bag material.

Pin-hole leak caused by sharp edge of the product (bone, etc.). Use bone-guard or thicker film.

Tear in bag by careless handling (sharp edge on filling table, damage made by retailer or customer).

Leakage in lateral or bottom seal, complain to supplier of bags or film.

4.2.2 No leakage in the bag:

Bag is too large, therefore the surplus of air remains visible (there is surplus of air in 0.4% of the bag volume in each bag). Use bags of suitable size.

Vacuum time is too short:

Pressure bar is jammed and closes opening of bag during evacuation.

4.2.3 Insufficient vacuum in chamber:

If troubles described under 4.2.1 and 4.2.2 do not apply, there is something wrong with the evacuation. To find the leakage quickly, check for leaks with a precision vacuumeter, going back step by step from the chamber to the pump.

At the chamber (measuring point at base of valve) at maximum time of evacuation. If more than 6 torr, proceed directly to the pump, if more than 3 torr: have pump service by pump supplier. If pressure at pump is good, reconnect hoses to pump and measure again.

Verify at vacuum hose connections and valve connections.

When proceeding this way, starting from pump, loss of pressure per step must not exceed 0.5 to 1 torr.

Warning: Verify connections of measuring equipment before verifying machine.

Most frequent points of leakage: lid gasket, damaged vacuum hose or loose hose clamps.

4.3 Faulty seal:

4.3.1 Insufficient seal:

Damaged teflon or silicone rubber.

Sealing pressure too low, bellows leaking or pressure bar jammed.

Leakers in seal: heating wire mechanically damaged (knicked) or silicone rubber uneven.

4.3.2 No seal:

Sealing wire burnt.

Faulty contact in sealing circuit.

Sealing transformer burnt through.

Contactor does not work.

4.3.3 Permanent sealing current:

Contactor is jammed check sealing transformer for damage through overload.

4.3.4 Seal does not stick:

Insufficient layer of polyethylene (inferior quality of bags).

Seal area extremely contaminated by fat or meat juice. Use filling aid.

Sealing temperature is too low (when using very thick films).

Warning: Do not increase sealing time more than really necessary; higher temperature will reduce working life of teflon and silicone rubber.

4.4 Fault in the valve:

Vacuum or air valve does not open.

Check whether there is voltage on the magnetic valves during their period of operation. If there is no voltage a wire is broken or the PC board is damaged.

Lid does not open at the end of the cycle; air enters, but there is still 20 - 40% vacuum in chamber. Vacuum valve does not close.

4.5 MC40 Control board failure

NOTE: Refer to menu structure on page 9.

This board software is allowing access to a "Diagnostics Menu". Only qualified service technicians are authorized to access this menu by entering a security password.

By acceding either the "D1 input test" feature or the "D2 output test" feature, a trained technician will be able to quickly know the origin of the problem: pump, sealing system, pneumatic problem, security switches problem, etc...

Keep in mind that in most cases trouble is due to a leakage, loose electrical Keynesian or evident damage to the main component: vacuum pump, valves..., electrical contactors, thermal overload, fuses holder or transformer.

For assistance do not hesitate to contact your local service technicians.

5. Regular maintenance:

Routine controls to be made at regular intervals:

Check teflon for wear.

Check silicone rubber for burnt spots and smooth even position.

Check pressure bar for jamming.

Check lid sealing for damage and hardened spots.

Check switch-point of micro switch, adjust if necessary.

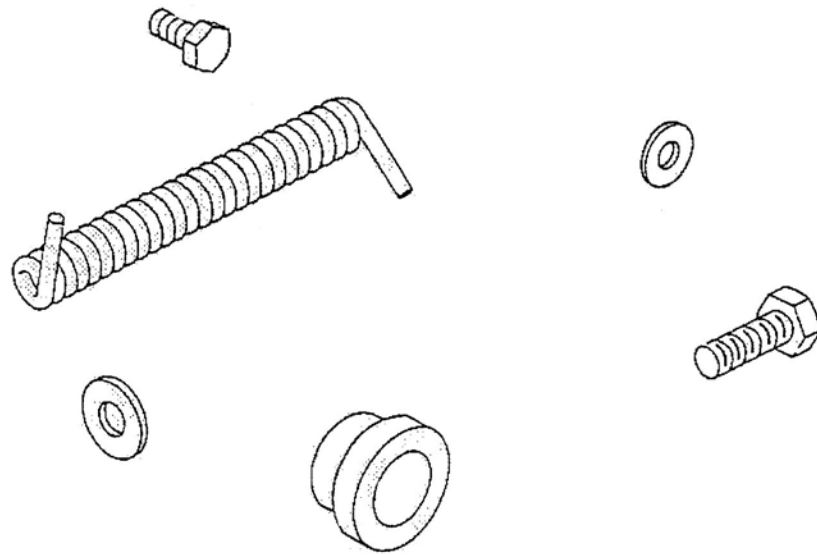
Check evacuation hose for damage (contraction of diameter, or abrasions).

Check vacuum connections for tightness.

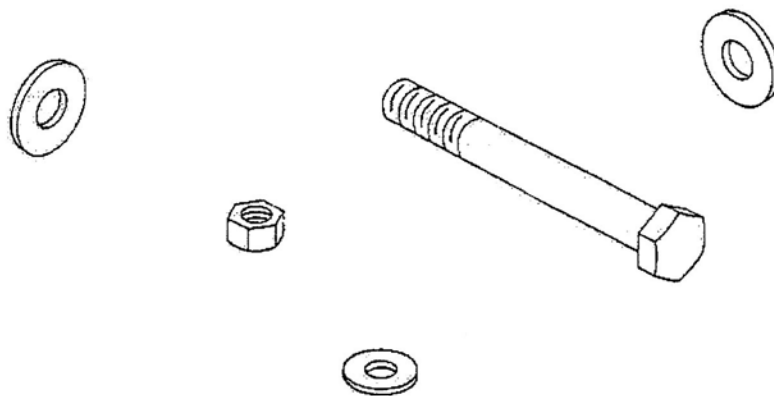
Check oil in pump (oil level in view glass; add if necessary. Regular change of oil - necessity indicated by change of color).

Check vacuum in chamber with precision vacuumeter.

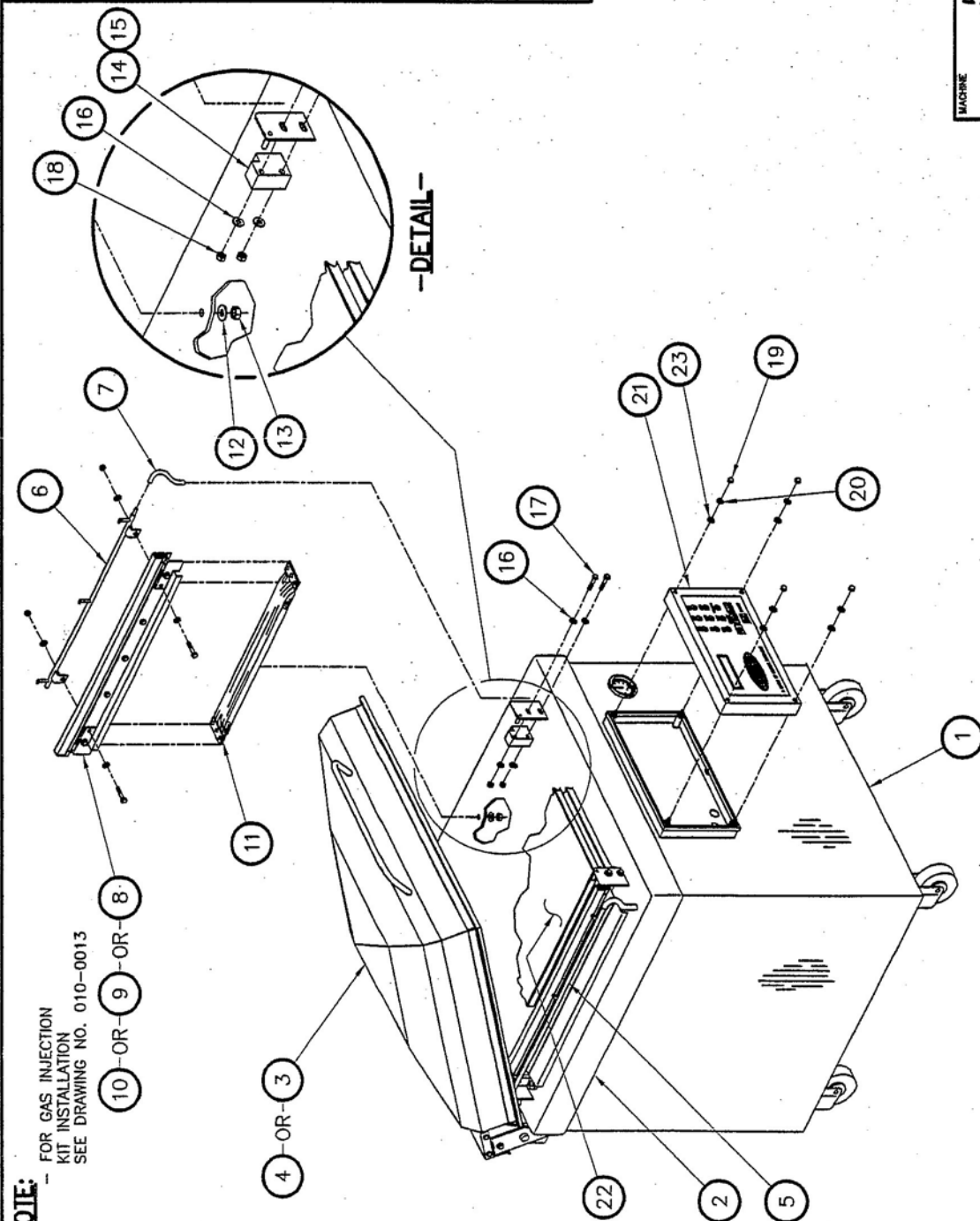
Check function of cycle with various settings of timers.



MECHANICAL DRAWING



ITEM	PART #	DESCRIPTION	QTY.
1	005B0606	MC-40 STRUCTURE ASSEMBLY	1
2	005-0341	TABLE ASSEMBLY	1
3	005-0461	8"COVER ASSEMBLY	1
4	005-0462	12" COVER ASSEMBLY (OPTION)	1
5	005-0571	GAS INJECTION BAR ASS'Y (OPTION)	1
6	005A0810	GAS INJECTION BAR ASS'Y (OPTION)	1
7	008-0464	GAS INJECTION CONN. TUBE (OPTION)	2
8	005A0568	SEAL BAR ASS'Y W/ SUPPORT	2
9	005A0569	SEAL BAR ASS'Y W/ SUPPORT (BAG CUT OPT.)	2
10	005A0570	SEAL BAR ASS'Y W/ SUPPORT (TBS OPT.)	2
11	005-0320	BELLOWS ASSEMBLY	2
12	051-0780	FLAT WASHER 3/8" S/S	2
13	051-0620	HEX. NUT 3/8"-16 NC. S/S	2
14	002-0327	RIGHT SEAL BAR GUIDE BLOCK	2
15	002-0326	LEFT SEAL BAR GUIDE BLOCK	2
16	051-0740	FLAT WASHER 1/4" S/S	16
17	051-0250	HEX. BOLT 1/4"-20 NC. X 1 1/2" S/S	8
18	051-0581	HEX. NUT 1/4"-20 NC. NYLON LOCK S/S	8
19	051-0691	ACORN NUT 1/4"-20 NC. S/S	4
20	051-0740	FLAT WASHER 1/4" S/S	4
21	005A0583	P.C. BOARD SUPPORT ASSEMBLY	1
22	005-0340	FILLER PLATE ASSEMBLY	2
23	057-0089	1/4" x 5/8"O.D. EPDM RUB. SEAL WASHER	4



NOTE:

FOR GAS INJECTION
KIT INSTALLATION
SEE DRAWING NO. 010-0013

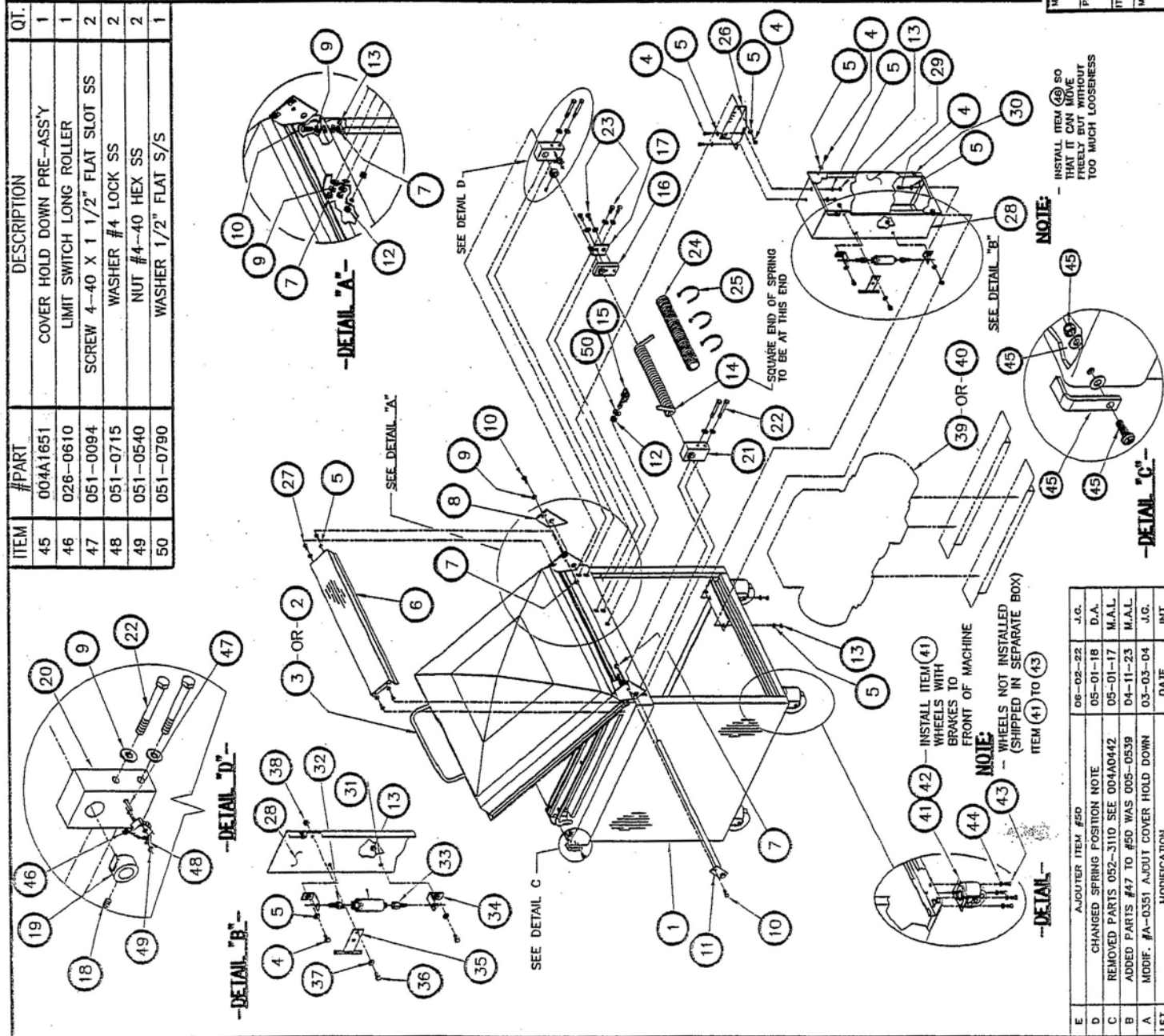
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PART	550A MC-40 FRONT VIEW		ST-GERMAIN DE GRANTHAM QUEBEC CANADA
TITLE:	CNC	DEPT	M-I Q.
DRAWN BY: M. ALEBLANC	DATE: 05-09-02	NO.	005A0605
APP.			

D	REDRAWN	05-09-02	M.A.L.
ET	MODIFICATION	DATE	INT

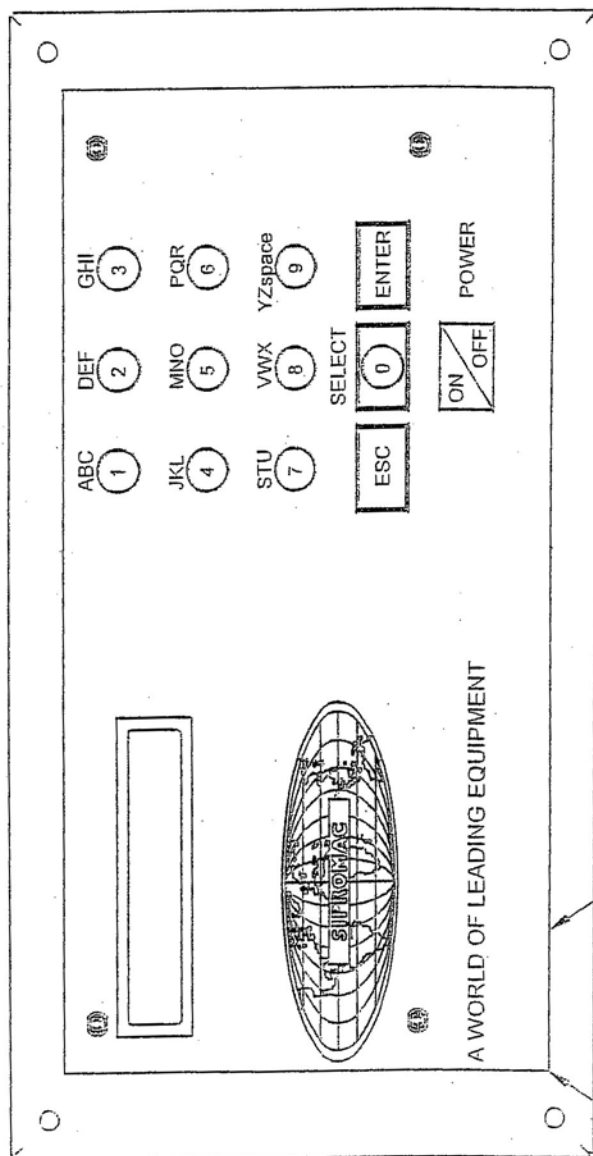
1005-0608

ITEM	#PART	DESCRIPTION	QTY.
1	005-0605	550A MC-40 FRONT VIEW	1
2	005-0461	8" COVER ASSEMBLY	1
3	005-0462	12" COVER ASSEMBLY (OPTION)	1
4	051-0180	HEX. BOLT 1/4"-20 NC. X 1 1/2" S/S	11
5	051-0740	FLAT WASHER 1/4" S/S	19
6	004-0171	SPRING COVER PRE-ASSEMBLY	1
7	051-0620	HEX. NUT 3/8"-16 NC. S/S	12
8	001-1335	COVER STOPPER	1
9	051-0783	FLAT WASHER 3/8" (THICK) S/S	23
10	051-0360	HEX. BOLT 3/8"-16 NC. X 1" S/S	10
11	004-0129	COVER AXIS PRE-ASSEMBLY	1
12	051-0630	HEX. NUT 1/2"-13 NC. S/S	2
13	051-0581	HEX. NUT 1/4"-20 NC. NYLON LOCK S/S	7
14	008-0322	COVER SPRING	1
15	005-0346	SPRING TENSION SUPPORT PRE-ASS'Y	1
16	004-0276	CENTRAL COVER AXIS SUPPORT	1
17	001-1540	CENTRAL COVER AXIS SUPPORT FIXATION	1
18	051-0178	SET SCREW 1/4"-20 NC. X 5/16" S/S	1
19	005-0348	MICRO-SWITCH COLLAR	1
20	004-0274	LEFT COVER AXIS SUPPORT	1
21	004-0275	RIGHT COVER AXIS SUPPORT	1
22	051-0424	HEX. BOLT 3/8"-16 NC. X 3 1/2" S/S	4
23	051-0360	HEX. BOLT 3/8"-16 NC. X 1" S/S	4
24	038-0350	SLIT COORUG LOOM 2" ID X 370 MM	1
25	057-0330	CABLE TIES 14" LONG BLACK	3
26	001-1364	RIGHT/ ELECTRICAL BOX UPPER SUPPORT	1
27	051-0192	BOLT 1/4"-20 NC. X 3/4" PAN PHILL. S/S	4
28	005-0347	ELECTRICAL BOX ASSEMBLY	1
29	004-0273	ELECTRICAL BOX COVER ASSEMBLY	1
30	056-0020	SPRING NUT 1/4"-20 NC. STEEL	4
31	114-0200	DRYER FILTER	1
32	101-0200	STRAIGHT 1/4" MNPT X 1/4" HOSE	1
33	101-0210	STRAIGHT 1/4" FNPT X 1/4" HOSE	1
34	001-2062	DRYER SUPPORT	2
35	005-0323	GAS INLET ASSEMBLY (OPTION)	1
36	051-0180	HEX BOLT 1/4"-20NC X 1 1/2" S/S (OPTION)	1
37	051-0740	FLAT WASHER 1/4" S/S (OPTION)	1
38	051-0581	HEX NUT 1/4"-20NC NYLON LOCK S/S (OPTION)	1
39	004-0271	"BUSCH" PUMPS INSTALLATION	1
40	004-0272	"LEYBOLD" PUMPS INSTALLATION	1
41	130-4PHB	4" PL. CASTER SWIVEL W/ BRAKE	2
42	130-4PHO	4" PL. CASTER SWIVEL W/O BRAKE	2
43	052-0520	BOLT 5/16"-18 NC. X 3/4" ZINC	16
44	051-0760	FLAT WASHER 5/16" S/S	16

MACHINE		550A		TO LOAD		SIPROMAC	
PART		MC-40 REAR VIEW		USNAGE TOUGHNESS STRENGTH		N.S. 	
DEAL:		CNC:		DATE 98-05-28		M-1 1	
DATE:		SHIP BY APP.		DATE 98-06-17		005-0608	

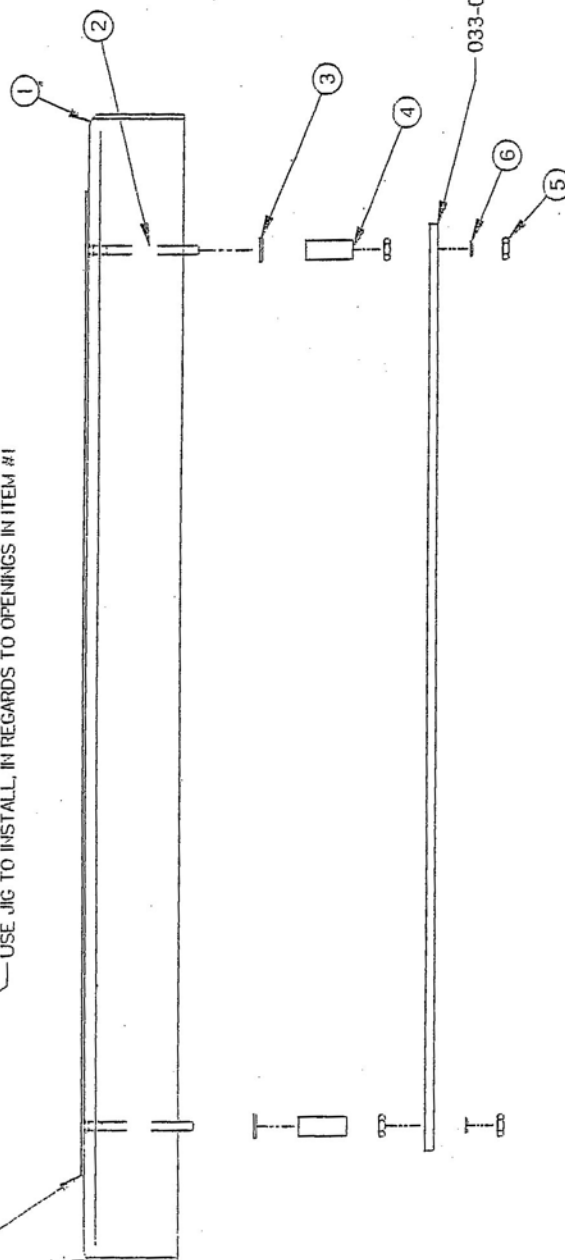


ITEM	PART #	DESCRIPTION	QTY.
1	004A0425	FRONT MC-40 SUPPORT PREASSY	1
2	051-0092	SCREW #4-40 x 1 1/4" FLAT SLT S/S	4
3	051-0713	WASHER #4 FLAT S/S	4
4	058-0120	CPVC SPACER 0.120" x 1/4" x 5/8"	4
5	051-0540	NUT #4-40 HEX S/S	8
6	051-0715	WASHER #4 LOCK SS	4



033-0015 OR
033-0017 OR
033-0018 OR
KEY BOARD REF.
(NOT INCLUDED).

USE JIG TO INSTALL, IN REGARDS TO OPENINGS IN ITEM #1

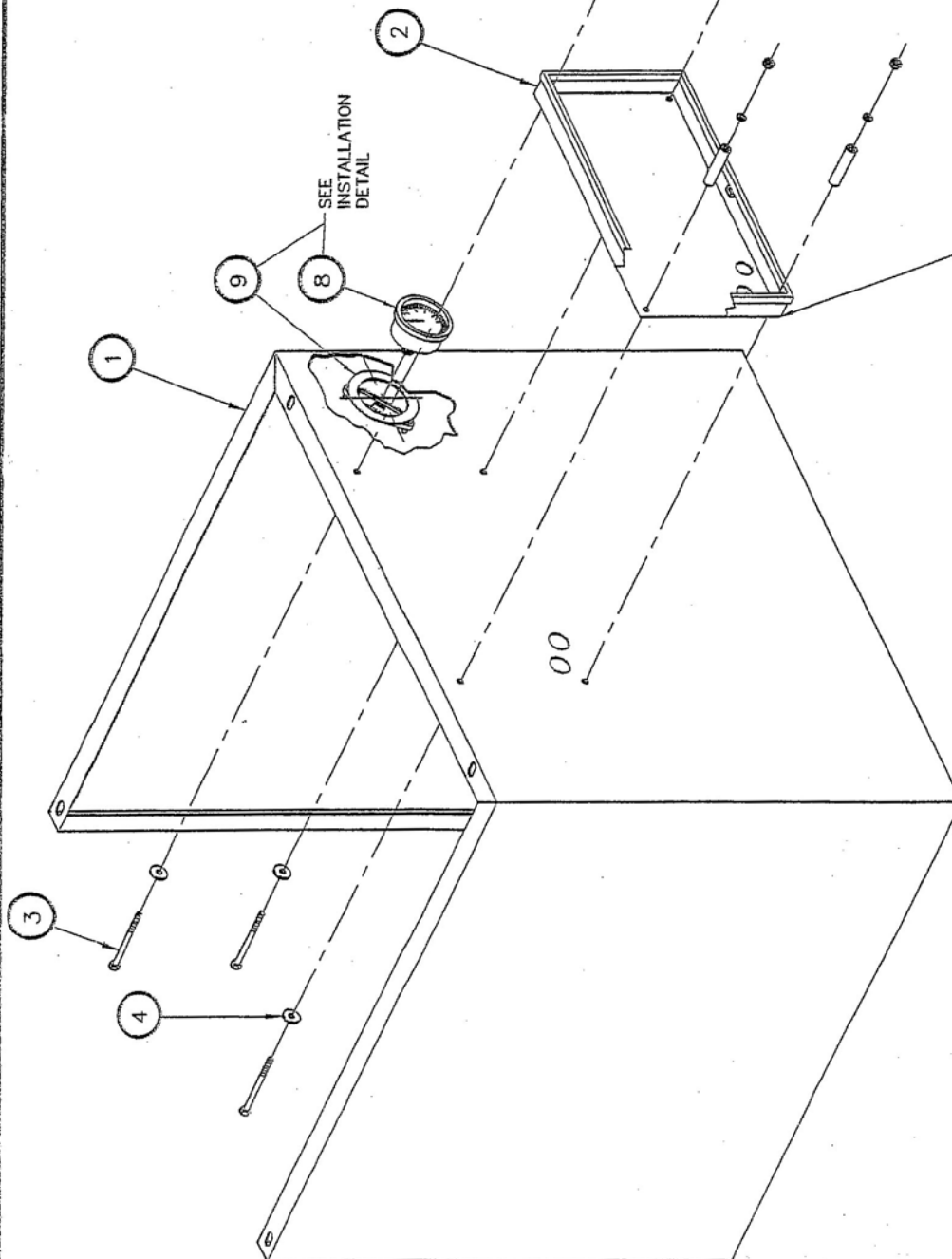


-033-0038 P.C. BOARD REF. (NOT INCLUDED)

[illegible]

G	DRAWN	050901	M.A.
ET.	IFICATION	DATE	INT.

ITEM	PART #	DESCRIPTION	QTY.
1	004B0442	STRUCTURE PRE-ASSY	1
2	005A05B4	REAR MC-40 SUPPORT ASSY.	1
3	051-0287	BOLT 1/4"-20 x 3 1/4"	4
4	051-0757	FLAT WASHER 1/4" THICK	4
5	058-0140	PLAST. SPACER .266" x 1/2" x 2 1/4"	4
6	051-0750	WASHER 1/4" LOCK SS	4
7	051-0580	NUT 1/4"-20	4
8	114-0260	VACUUM GAGE W/ SUPPORT	1
9	001-1869	HOLDING WASHER (FOR VAC. GUAGE)	1
10	101-0038	STR. 1/4" FNPT x 3/8" T.P. COMP. BR.	1



--INSTALLATION DETAIL--

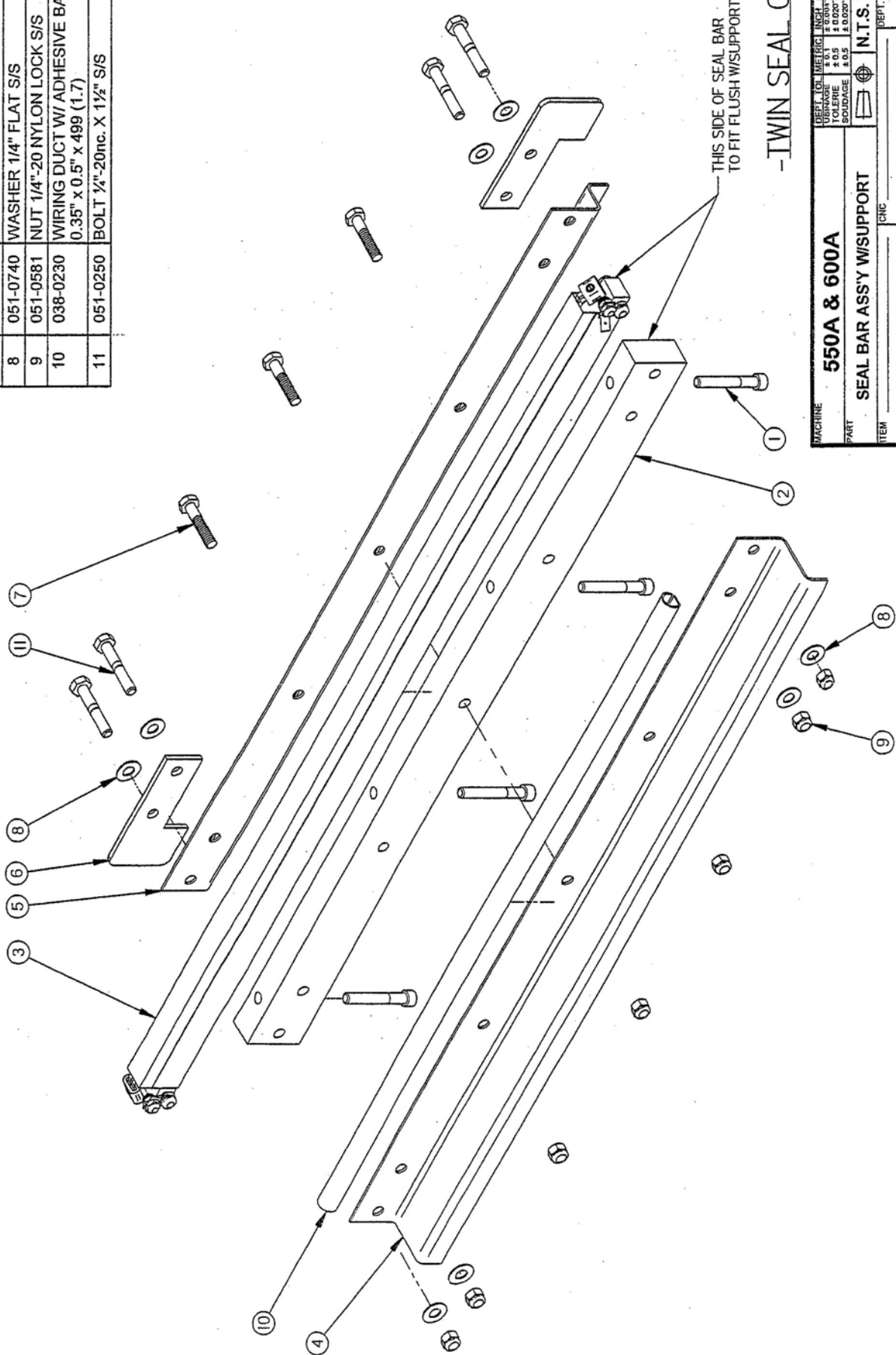
--UNE FOIS L'ITEM 2 INSTALLÉ, UTILISER DE L'ADHÉSIF MARIN 5200 #169-0210 POUR SCELLER LE HAUT, LES CÔTÉS ET LES COINS DU BAS (LE CÔTÉ DU DESSOUS N'EST PAS SCELLÉ)
 --ONCE ITEM 2 IS INSTALLED, USE 169-0210 5200 MARINE ADHESIVE TO SEAL TOP, SIDES & BOTTOM CORNERS (UNDER SIDE NOT SEALED).

MACHINE		550A		SIPROMAC	
PART		STRUCTURE ASS'Y		ST-GERMAIN DE GRANTHAM QUEBEC CANADA	
ITEM	DATE	BY	DATE	DEPT	QTY.
	05-09-07	M. ALEBLANC	05-09-07	M	1
REVISION	DATE	BY	DATE	DEPT	QTY.
	05-09-07	M. ALEBLANC	05-09-07	M	1

REDRAWN	DATE	M.A.L.
MODIFICATION	DATE	INT.

1005A0568

ITEM	PART #	DESCRIPTION	QT.
1	051-0256	BOLT 1/4"-20nc. X 1 3/4" CAP SKT S/S	4
2	002-0514	SEAL BAR SUPPORT	1
3	005A0152	SEAL BAR PRE-ASS'Y	1
4	001-1962	EXTERIOR BELLOWS COVER	1
5	001-1963	EXTERIOR BELLOWS COVER	1
6	001-0269	SEAL BAR GUIDE	2
7	051-0230	HEX BOLT 1/4"-20 x 1 1/4" SS	3
8	051-0740	WASHER 1/4" FLAT S/S	8
9	051-0581	NUT 1/4"-20 NYLON LOCK S/S	7
10	038-0230	WIRING DUCT W/ ADHESIVE BACKING (0.35" x 0.5" x 499 (1.7)	1
11	051-0250	BOLT 1/4"-20nc. X 1 1/2" S/S	4



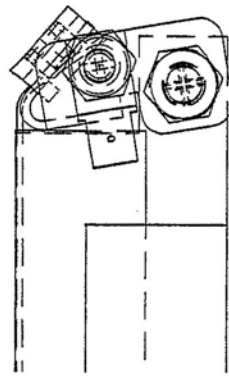
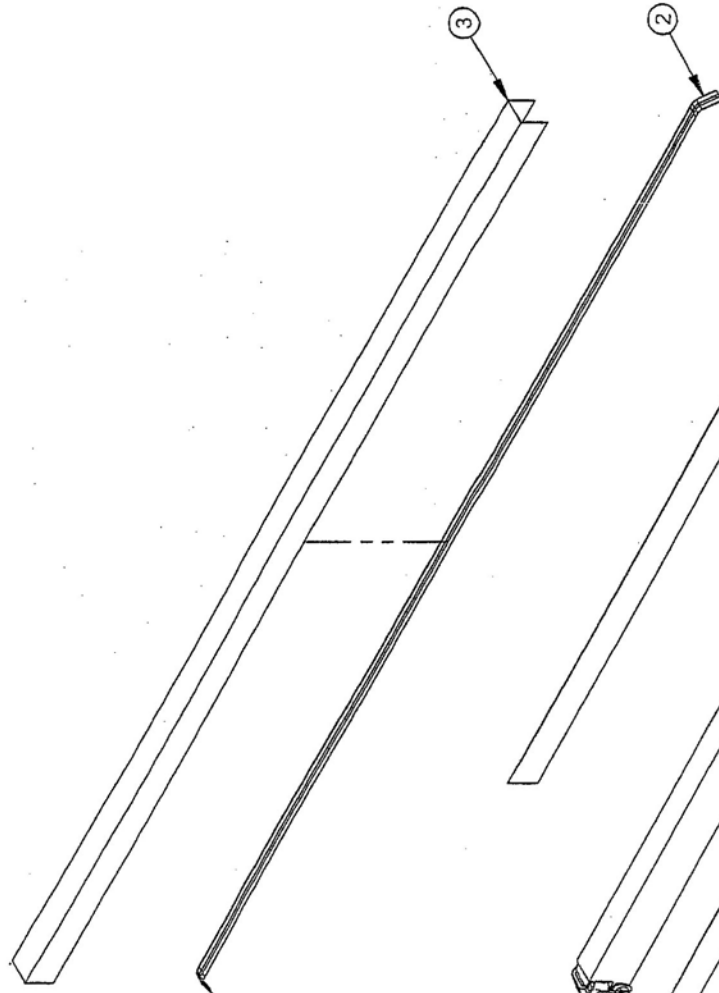
-TWIN SEAL OPTION-

MACHINE 550A & 600A		DEPT. FOR METRIC INCH CONVERSION TOLERANCE SOLIDAGE	± 0.001 ± 0.001 ± 0.001	DEPT. N.T.S.	DATE 05-09-13	NO.
PART SEAL BAR ASS'Y W/SUPPORT		GNC		DATE 05-09-13	NO.	
ITEM		M.A.L.		DATE 05-09-13	NO.	
MAT.		APP. BY		DATE 05-09-13	NO.	
SIPROMAC		ST-GERMAIN DE GRANHAM		M-1		LISTE
QUEBEC CANADA				5A0568		

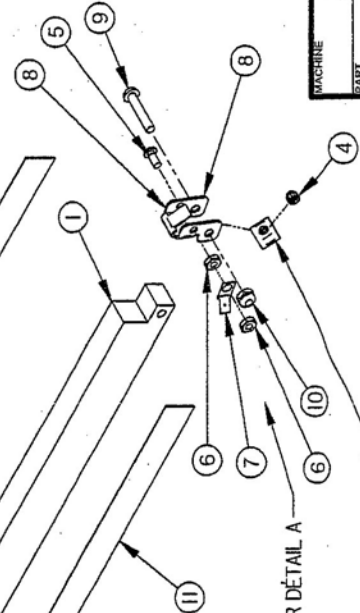
C	REDRAWN	05-09-13 M.A.
LET.	MODIFICATION	DATE INT.

005A0152

ITEM	PART #	DESCRIPTION	QT.
1	002A0314	SEAL BAR	1
2	039-0268	DOUBLE SEAM BAND (8MM) (2.3)	1
3	176-0200	TEFLON TAPE, 5MIL (0.78)	1
4	056-1401	3/8" SET SCREW BANDING BUCKLE S/S	2
5	051-0104	SCREW 8-32 x 3/8" RND PHIL S/S	2
6	051-0550	NUT #8-32 SS	4
7	027-0400	CONNECTOR ADAPTOR	2
8	001A2742	8mm ELEMENT BINDER	2
9	051-0146	SCREW 10-24 X 1" PAN PHIL S/S	2
10	051-0572	LOCK NUT #10-24 S/S	2
11	171-0180	TAPE CLEAR SUPER BOND 3/4" (0.009)	2



-DÉTAIL A-



VOIR DÉTAIL A

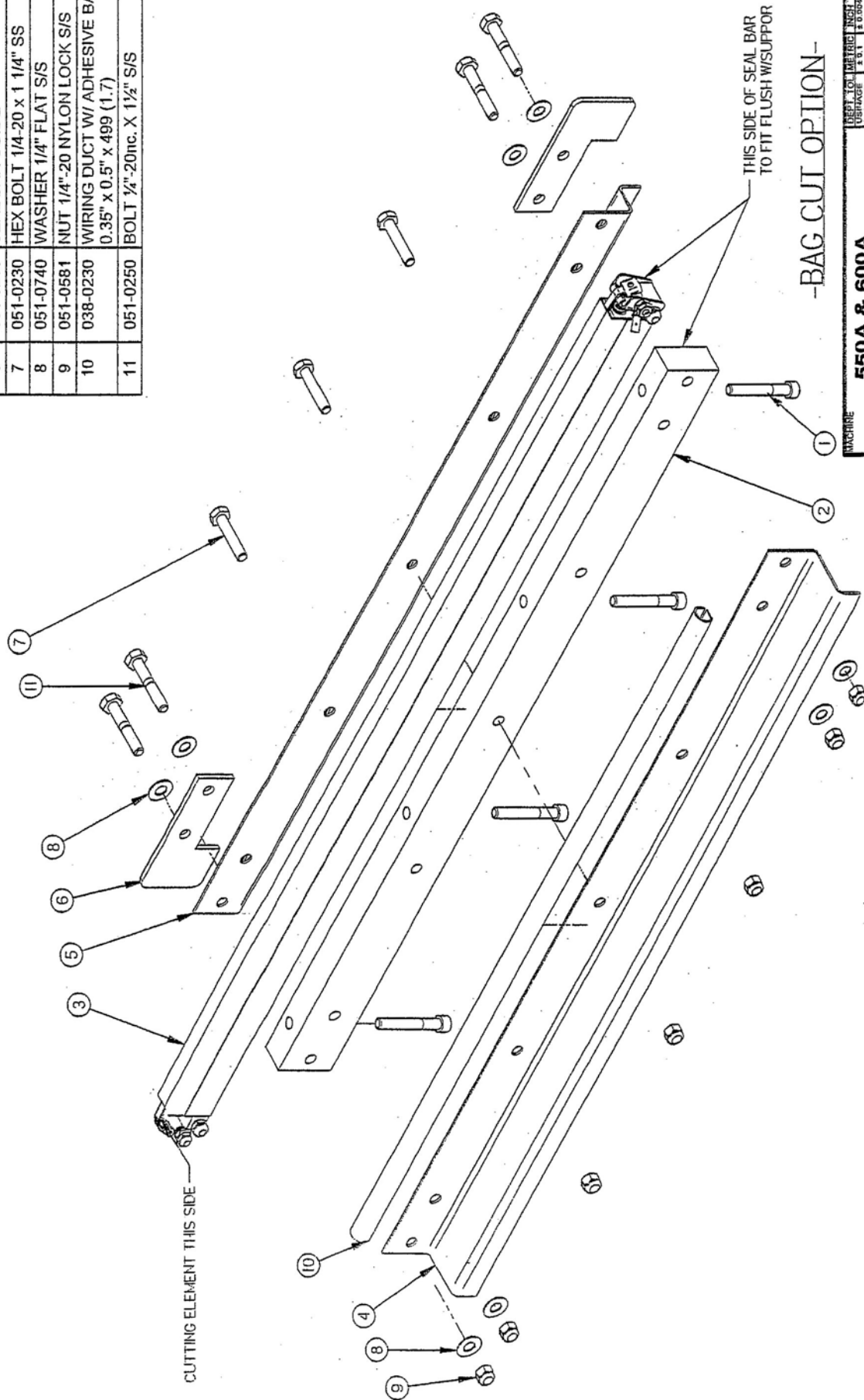
INSTALLER CONTRE L'ENCOCHE DE L'ITEM #8 (4) INSTALL AGAINST NOTCH OF ITEM #8

-TWIN SEAL OPTION-

MACHINE		550A & 600A		SIPROMAC		ST-GERMAIN DE GRANTHAM		QUÉBEC CANADA	
PART		SEAL BAR PRE-ASSY		N.T.S.		MACHINE		QTY	
ITEM		CHC		DATE		M-1		LISTE	
DRAWN BY		M.A.L.		DATE		05-09-13		NO	
APP. BY		J.S.		DATE		26-03-07		005A0152	
MODIFICATION		REDRAWN		DATE		06-03-13		M.A.	
LET.		F		051-0104 & 001B2742 ÉTAIT 051-0100 & 009A0187		06-03-06		J.G.	

1005B0569

ITEM	PART #	DESCRIPTION	QT.
1	051-0256	BOLT 1/4"-20nc. X 1 3/4" CAP SKT S/S	4
2	002-0514	SEAL BAR SUPPORT	1
3	005B0153	SEAL BAR PRE-ASSY	1
4	001-1962	EXTERIOR BELLOW'S COVER	1
5	001-1963	EXTERIOR BELLOW'S COVER	1
6	001-0269	SEAL BAR GUIDE	2
7	051-0230	HEX BOLT 1/4-20 x 1 1/4" SS	3
8	051-0740	WASHER 1/4" FLAT S/S	8
9	051-0581	NUT 1/4"-20 NYLON LOCK S/S	7
10	038-0230	WIRING DUCT W/ ADHESIVE BACKING (0.35" x 0.5" x 499 (1.7)	1
11	051-0250	BOLT 1/4"-20nc. X 1 1/2" S/S	4



-BAG CUT OPTION-

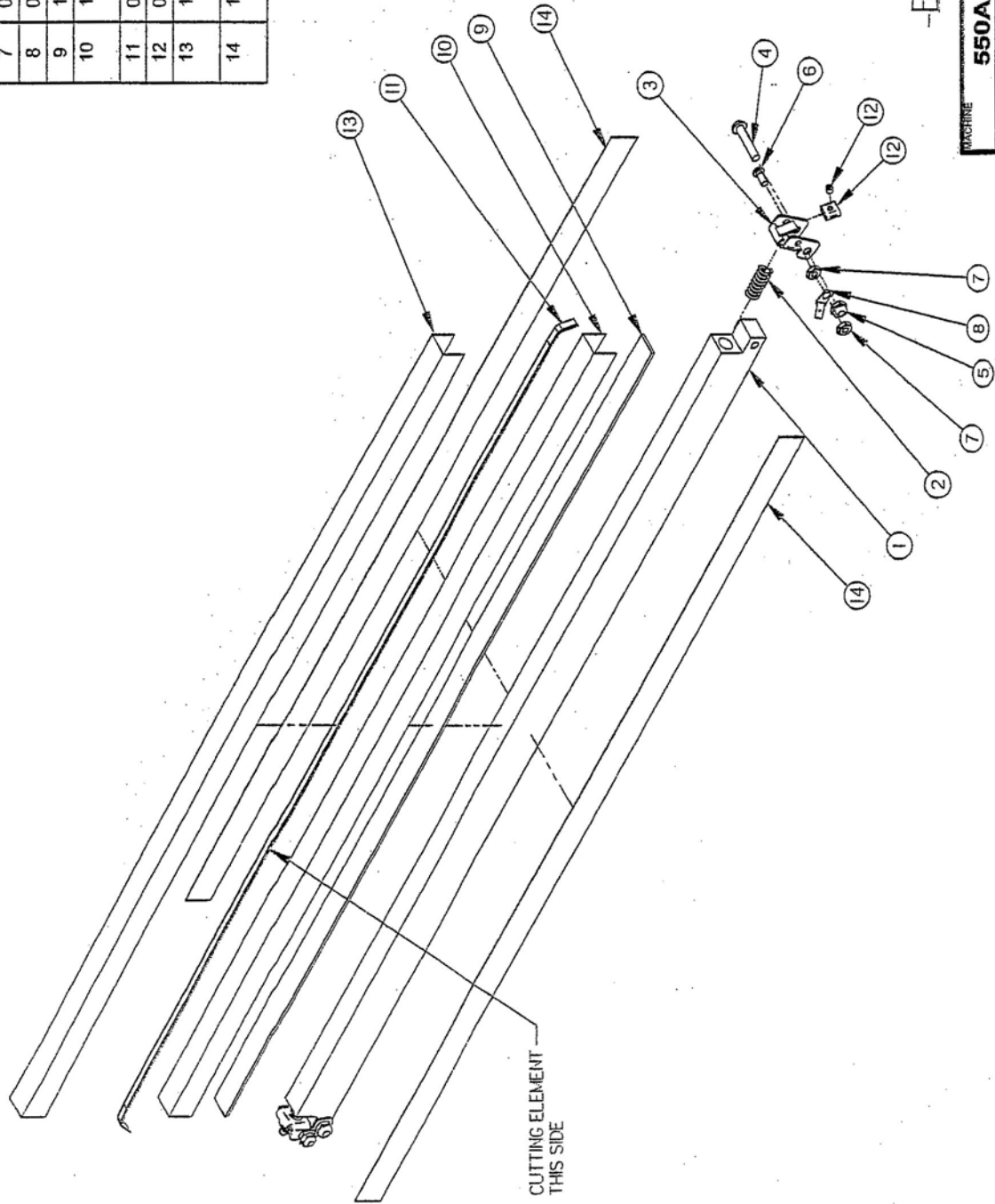
600A	4
550A	2
MACHINE	QTY
SIPROMAC	
ST-GERMAIN DE GRANVILLE	
QUEBEC CANADA	

550A & 600A		DATE 06-05-29	
SEAL BAR ASS'Y WSUPPORT		DATE 06-05-29	
N.T.S.		DATE 06-05-29	
MACHINE		DATE 06-05-29	
PART		DATE 06-05-29	
ITEM		DATE 06-05-29	
DATE		DATE 06-05-29	

REDRAWN	06-05-29	M.A.
MODIFICATION	DATE	INT.

005B0153

ITEM	PART #	DESCRIPTION	QTY
1	009A0191	ECO SEAL BAR	1
2	077-0095	SPRING C 0360-059-1250 S/S	2
3	001-2666	ELEMENT BINDER	3
4	051-0146	SCREW 10-24 X 1" PAN PHIL S/S	2
5	051-0572	LOCK NUT #10-24 S/S	2
6	051-0104	SCREW 8-32 x 3/8" RND PHIL S/S	2
7	051-0550	NUT #8-32 SS	4
8	027-0400	CONNECTOR ADAPTOR	2
9	179-0003	SILICONE 2mm x 15mm 641.5mm (0.64)	1
10	176-0220	TEFLON TAPE, PRESS SENSITIVE 2" 641.5mm (0.078)	1
11	039-0269	SEAL CUT ELEMENT (0.0688)	1
12	056-1400	1/4" SET SCREW BANDING BUCKLE S/S	2
13	176-0203	TEFLON TAPE, 5MIL UNCOATED ZONE 641.5mm (0.064)	1
14	171-0180	TAPE CLEAR SUPER BOND 3/4" 641.5mm (0.019)	2

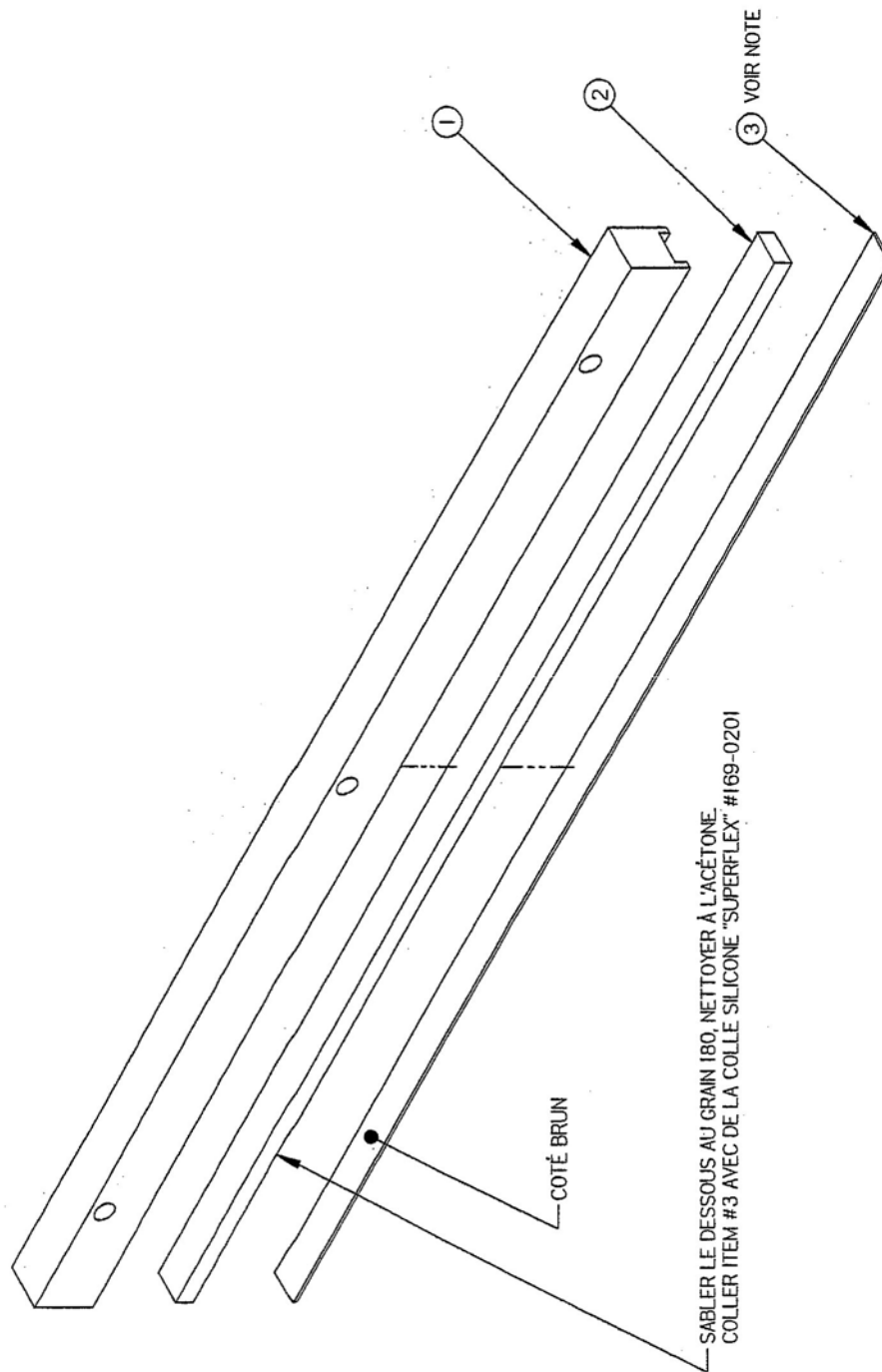


-BAG CUT OPTION-

MACHINE		550A & 600A	DATE	06-05-29	BY	M.A.
PART		SEAL BAR PRE-ASSY				
ITEM		1				
MAT.						
UNIT						
QTY						
N.T.S.						
SOLDAGE						
TOLERANCE						
INCH						
METRIC						
MACHINE		550A				
QTY		4				
MACHINE		550A				
QTY		2				
MACHINE		SIPROMAC				
QTY						
MACHINE		ST-GERMAIN DE GRANTHAM				
QTY						
MACHINE		QUEBEC CANADA				
M-I						
LISTE						
005B0153						

G	REDRAWN	06-05-29	M.A.
LET.	MODIFICATION	DATE	INT.

ITEM	PART #	DESCRIPTION	QT.
1	002A2063	UPPER SEAL BAR SUPPORT (E.C.O.)	1
2	008-0320	UPPER SEAL BAR RUBBER	1
3	008A0842	TEFLON CUTTING STRIP	1



NOTE:

-INSTALLER ITEM #3 SEULEMENT SI L'OPTION "SHRINKABLE BAG" EST COMMANDÉ.

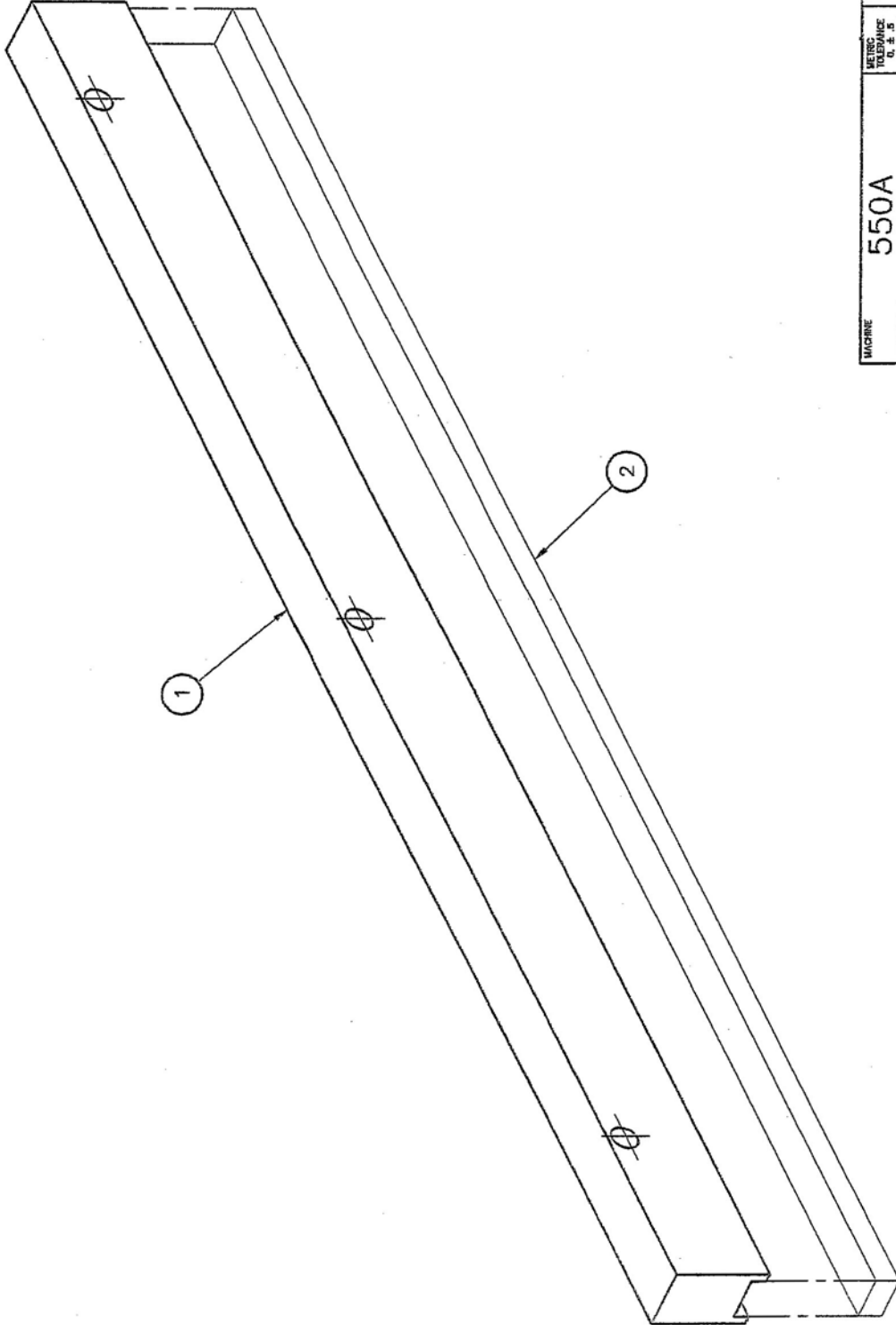
-BAG CUT OPTION-

MACHINE	550A				DEPT. 101 METRIC INCH TOLERANCE ± 0.025" ± 0.002" SQUADGE ± 0.5 ± 0.005"		SIPROMAC	
PART	UPPER SEAL BAR ASSEMBLY (E.C.O.)						ST-GERMAIN DE GRANTHAM QUEBEC CANADA	
ITEM	CNC				DEPT.		M-1 QTY. 2	
DATE	DWG BY J.G.				DATE 06-03-28		NO	
	APP. BY 				DATE 28-04-28		4A1117	

LET.	MODIFICATION	DATE	INT.
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1004A0132

ITEM	PART #	DESCRIPTION	QTY.
1	002A0404	UPPER SEAL BAR SUPPORT	1
2	008-0320	UPPER SEAL BAR RUBBER	1



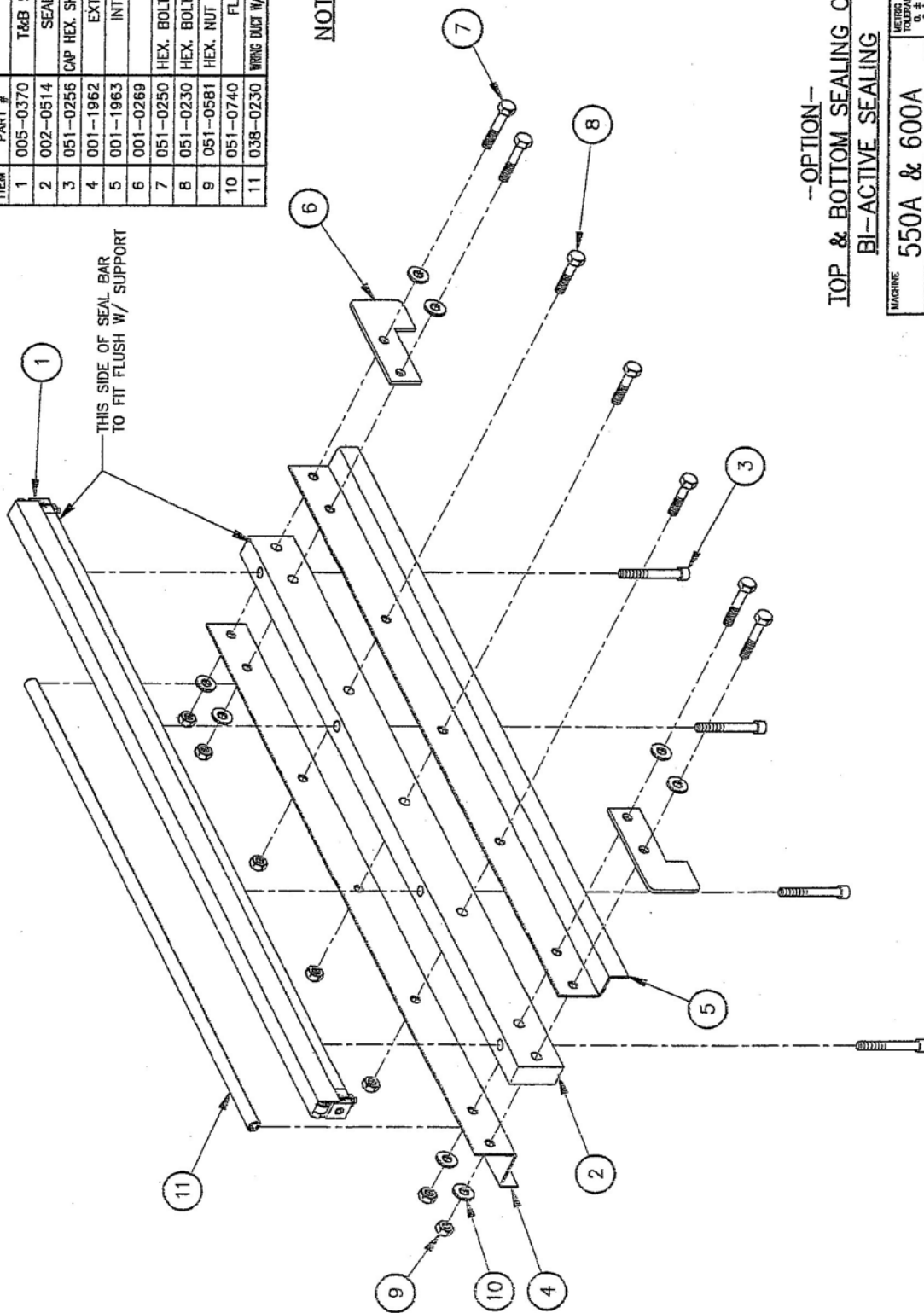
MACHINE		550A		SIPROMAC	
PART		UPPER SEAL BAR ASSEMBLY		ST-GERMAIN DE GRANTHAM	
ITEM:		CNC		QUEBEC CANADA	
DATE		99-07-15		SCALE	
S.L.		D		QTY. 2	
DATE		99-07-15		NO. 004A0132	
DATE		99-07-15		DATE	
DATE		99-07-15		DATE	

B	REDRAWN	99-07-15	S.L.
LET.	MODIFICATION	DATE	INT.

1005-0570

ITEM	PART #	DESCRIPTION	QTY.
1	005-0370	T&B SEAL BAR PRE-ASSEMBLY	1
2	002-0514	SEAL BAR SUPPORT (TABLE)	1
3	051-0256	CAP HEX. SKT. BOLT 1/4"-20 NC X 1 3/4" S/S	4
4	001-1962	EXTERIOR BELLOW COVER	1
5	001-1963	INTERIOR BELLOW COVER	1
6	001-0269	SEAL BAR GUIDE	2
7	051-0250	HEX. BOLT 1/4"-20 NC. X 1 1/2" S/S	4
8	051-0230	HEX. BOLT 1/4"-20 NC. X 1 1/4" S/S	3
9	051-0581	HEX. NUT 1/4"-20 NC. NYLON LOCK S/S	7
10	051-0740	FLAT WASHER 1/4" S/S	8
11	038-0230	WRING DUCT W/ ADHESIVE BACKING (0.35" X 0.5" X 476) PVC	1

NOTE:
QTY FOR ONE
SEAL BAR ONLY
SEE LIST



-OPTION-
TOP & BOTTOM SEALING OR
BI-ACTIVE SEALING

550A & 600A

SEAL BAR ASSEMBLY W/ SUPPORT

ITEM: _____
DATE: 97-10-24
BY: A. PROVENCER
APP: _____

SCALE: _____
BT: SEE LIST

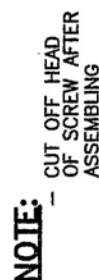
ST-GERMAIN DE GRANTHAM
QUEBEC CANADA

005-0570

A 550A ADDED/ MODIF. NO. A-0241
DATE: 98-02-24
A.P. INT.

LET. MODIFICATION

ITEM	#PART	DESCRIPTION	QT.
1	002-0314	SEAL BAR (TABLE)	1
2	009-0029	CONNECTOR	2
3	039-0220	BI-ACTIVE SEALING ELEM. (780MM EA.)	0.078
4	052-0395	SCREW 1/4"-20 NC. X 5/16" SET HEX SKT OVAL PT	2
5	052-0250	SCREW #8-32 X 1 1/2" RND SLOT BRASS	2
6	051-0550	NUT #8-32 S/S	4
7	176-0200	TEFLON TAPE 5S ADHESIVE X 2" X (650mm EA.)	0.083
8	027-0400	CONNECTOR ADAPTOR 1/4" X #10 STUD	2

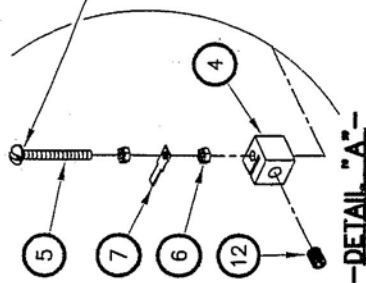


MACHINE	550A & 600A		FOR PRODUCE		SIPROMAC	
PART	SEAL BAR PRE-ASSEMBLY		USURANCE ± 0.1	METRIC ± 0.004"	NCH	
			SOULDS ± 0.5	± 0.020	± 0.004"	
			N.T.S.		ST-GERMAIN DE GRANTHAM	
					QUEBEC CANADA	
ITEM:	QWS		CNC		M-1	
MAT.	BY APP.		DATE 98-02-10		107. SEE LIST	
	DATE 04-07-06				005-0370	

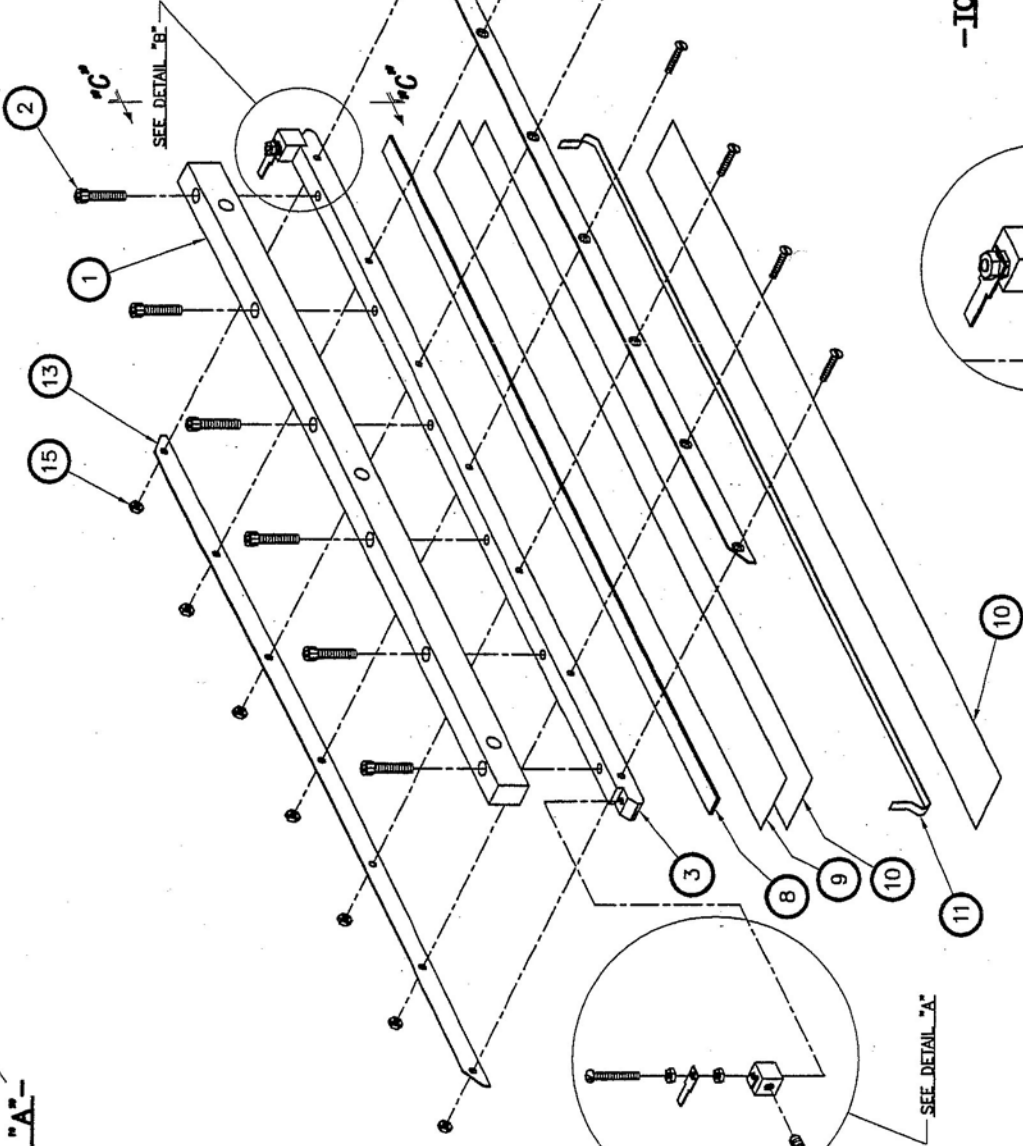
D	MODIFICATION #A-039B (CONNECTEUR)	04-04-19	J.G.
C	REDRAWN	98-02-10	A.P.
LET.	MODIFICATION	DATE	INT.

1005A0371

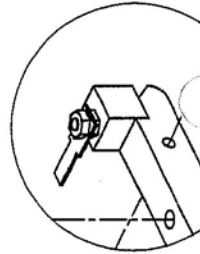
NOTE: CUT OFF HEAD OF SCREW AFTER ASSEMBLING



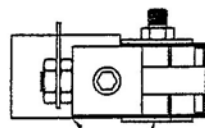
-DETAIL "A"-



-SEE DETAIL "A"-



-DETAIL "B"-



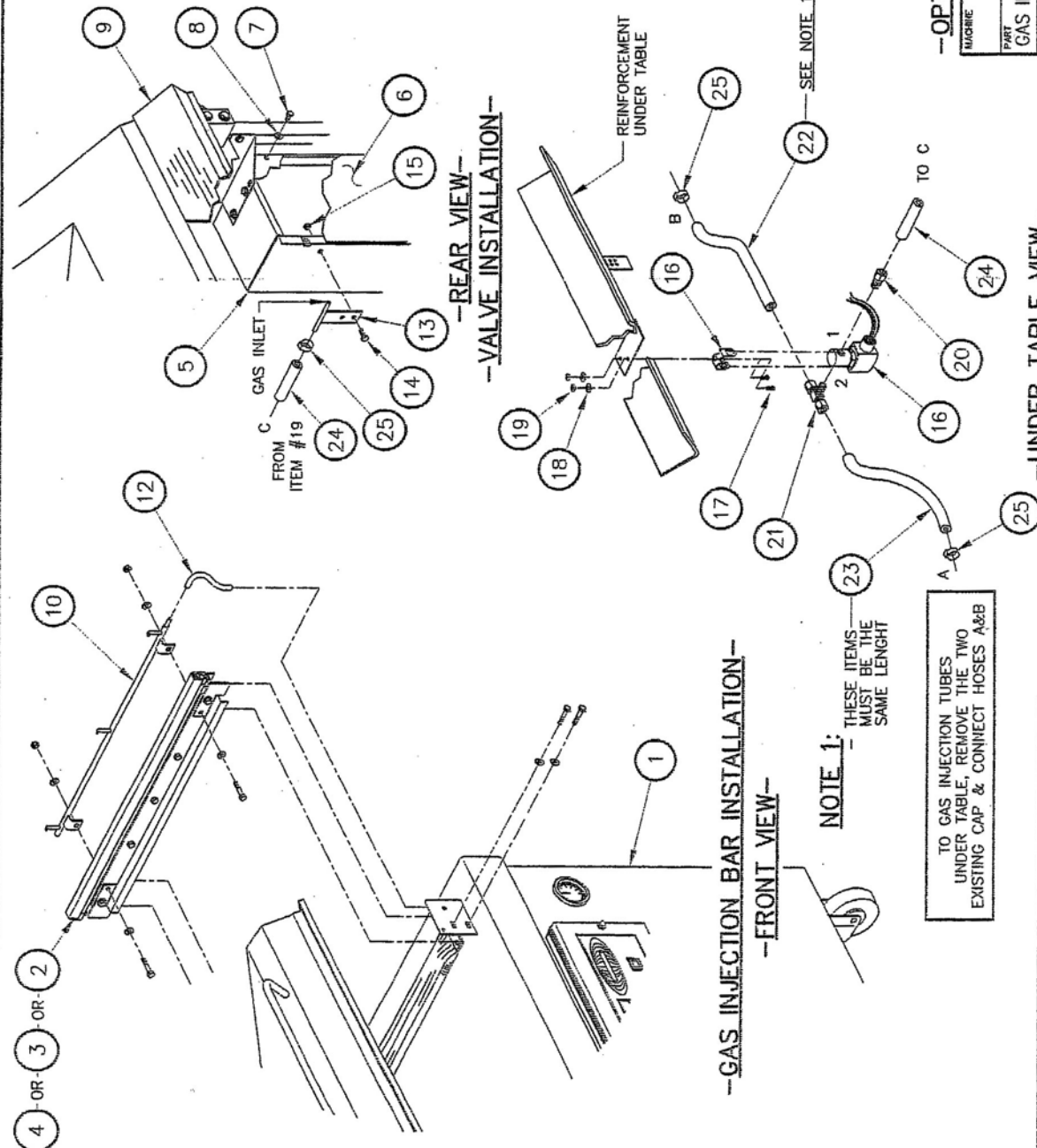
THIS SIDE OF SEAL BAR
TO FIT FLUSH W/ SUPPORT

-VIEW "C-C"-
(END VIEW ASSEMBLY)

ITEM	#PART	DESCRIPTION	QT.
1	002-0537	UPPER SEAL BAR SUPPORT	1
2	051-0220	SCREW 1/4"-20 NC. X 1" CAP HEX. SKT S/S	6
3	002-0538	UPPER SEAL BAR	1
4	009-0029	TOP & BOTTOM SEAL CONNECTOR WELDED	2
5	052-0250	SCREW #8-32 NC. X 1 1/2" RND SLOT BRASS	2
6	051-0550	HEX. NUT #8-32 NC. S/S	4
7	027-0400	CONNECTOR ADAPTOR	2
8	179-0003	SILICONE 2mm x 15mm ADHESIVE (640mm EA.)	0.67
9	176-0200	TEFLON TAPE (5S) ADHESIVE (650mm EA.)	0.083
10	176-0220	TEFLON TAPE (10S) ADHESIVE (2x650mm)	0.166
11	039-0220	BI-ACTIVE SEALING ELEM. (780mm EA.)	0.08
12	052-0395	SET SCREW 1/4"-20 NC. X 5/16" (OVAL POINT)	2
13	001A1386	UPPER TEFLON HOLDER	2
14	051-0121	SCREW #8-32 NC. X 1" FLAT PHILL. S/S	7
15	051-0550	HEX. NUT #8-32 NC. S/S	7

-TOP AND BOTTOM SEALING OPTION-

MACHINE		550A		SIPROMAC	
PART		UPPER SEAL BAR ASS'Y W/SUPPORT		ST-GERMAIN DE GRANTHAM QUEBEC CANADA	
ITEM:	DATE	BY	DATE	BY	DATE
	04-01-12		04-01-12		04-01-12
MATERIAL		A.P.		U05A0371	
DRAWN		DATE		INT.	
04-04-19		04-04-19		04-04-19	
J.G.		J.G.		J.G.	
A.P.		A.P.		A.P.	
DATE		DATE		DATE	
04-04-19		04-04-19		04-04-19	
J.G.		J.G.		J.G.	
A.P.		A.P.		A.P.	
DATE		DATE		DATE	
04-04-19		04-04-19		04-04-19	
J.G.		J.G.		J.G.	
A.P.		A.P.		A.P.	
DATE		DATE		DATE	
04-04-19		04-04-19		04-04-19	
J.G.		J.G.		J.G.	
A.P.		A.P.		A.P.	
DATE		DATE		DATE	
04-04-19		04-04-19		04-04-19	
J.G.		J.G.		J.G.	
A.P.		A.P.		A.P.	
DATE		DATE		DATE	
04-04-19		04-04-19		04-04-19	
J.G.		J.G.		J.G.	
A.P.		A.P.		A.P.	
DATE		DATE		DATE	
04-04-19		04-04-19		04-04-19	
J.G.		J.G.		J.G.	
A.P.		A.P.		A.P.	
DATE		DATE		DATE	
04-04-19		04-04-19		04-04-19	
J.G.		J.G.		J.G.	
A.P.		A.P.		A.P.	
DATE		DATE		DATE	
04-04-19		04-04-19		04-04-19	
J.G.		J.G.		J.G.	
A.P.		A.P.		A.P.	
DATE		DATE		DATE	
04-04-19		04-04-19		04-04-19	
J.G.		J.G.		J.G.	
A.P.		A.P.		A.P.	
DATE		DATE		DATE	
04-04-19		04-04-19		04-04-19	
J.G.		J.G.		J.G.	
A.P.		A.P.		A.P.	
DATE		DATE		DATE	
04-04-19		04-04-19		04-04-19	
J.G.		J.G.		J.G.	
A.P.		A.P.		A.P.	
DATE		DATE		DATE	
04-04-19		04-04-19		04-04-19	
J.G.		J.G.		J.G.	
A.P.		A.P.		A.P.	
DATE		DATE		DATE	
04-04-19		04-04-19		04-04-19	
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A.P.		A.P.		A.P.	
DATE		DATE		DATE	
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A.P.		A.P.		A.P.	
DATE		DATE		DATE	
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A.P.		A.P.		A.P.	
DATE		DATE		DATE	
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A.P.		A.P.		A.P.	
DATE		DATE		DATE	
04-04-19		04-04-19		04-04-19	
J.G.		J.G.		J.G.	
A.P.		A.P.		A.P.	
DATE		DATE		DATE	
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A.P.		A.P.		A.P.	
DATE		DATE		DATE	
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A.P.		A.P.		A.P.	
DATE		DATE		DATE	
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J.G.		J.G.		J.G.	
A.P.		A.P.		A.P.	
DATE		DATE		DATE	
04-04-19		04-04-19		04-04-19	
J.G.		J.G.		J.G.	
A.P.		A.P.		A.P.	
DATE		DATE		DATE	
04-04-19		04-04-19		04-04-19	
J.G.		J.G.		J.G.	
A.P.		A.P.		A.P.	
DATE		DATE		DATE	
04-04-19		04-04-19		04-04-19	
J.G.		J.G.		J.G.	
A.P.		A.P.		A.P.	
DATE		DATE		DATE	
04-04-19		04-04-19		04-04-19	
J.G.		J.G.		J.G.	
A.P.		A.P.		A.P.	
DATE		DATE		DATE	
04-04-19		04-04-19		04-04-19	
J.G.		J.G.		J.G.	
A.P.		A.P.		A.P.	
DATE		DATE		DATE	
04-04-19		04-04-19		04-04-19	
J.G.		J.G.		J.G.	
A.P.		A.P.		A.P.	
DATE		DATE		DATE	
04-04-19		04-04-19		04-04-19	
J.G.		J.G.		J.G.	
A.P.		A.P.		A.P.	
DATE		DATE		DATE	
04-04-19		04-04-19		04-04-19	
J.G.		J.G.		J.G.	
A.P.		A.P.		A.P.	
DATE		DATE		DATE	
04-04-19		04-04-19		04-04-19	
J.G.		J.G.		J.G.	
A.P.		A.P.		A.P.	
DATE		DATE		DATE	
04-04-19		04-04-19		04-04-19	
J.G.		J.G.		J.G.	
A.P.		A.P.		A.P.	
DATE		DATE		DATE	
04-04-19		04-04-19		04-04-19	
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A.P.		A.P.		A.P.	
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A.P.		A.P.		A.P.	
DATE		DATE		DATE	
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J.G.		J.G.		J.G.	
A.P.		A.P.		A.P.	
DATE		DATE		DATE	
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J.G.		J.G.		J.G.	
A.P.		A.P.		A.P.	
DATE		DATE		DATE	
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A.P.		A.P.		A.P.	
DATE		DATE		DATE	
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A.P.		A.P.		A.P.	
DATE		DATE		DATE	
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J.G.		J.G.		J.G.	
A.P.		A.P.		A.P.	
DATE		DATE		DATE	
04-04-19		04-04-19		04-04-19	
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A.P.		A.P.		A.P.	
DATE		DATE		DATE	
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A.P.		A.P.		A.P.	
DATE		DATE		DATE	
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A.P.		A.P.		A.P.	
DATE		DATE		DATE	
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J.G.		J.G.		J.G.	
A.P.		A.P.		A.P.	
DATE		DATE		DATE	
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J.G.		J.G.		J.G.	
A.P.		A.P.		A.P.	
DATE		DATE		DATE	
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A.P.		A.P.		A.P.	
DATE		DATE		DATE	
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A.P.		A.P.		A.P.	
DATE		DATE		DATE	
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J.G.		J.G.		J.G.	
A.P.		A.P.		A.P.	
DATE		DATE		DATE	
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J.G.		J.G.		J.G.	
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DATE		DATE		DATE	
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A.P.		A.P.		A.P.	
DATE		DATE		DATE	
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J.G.		J.G.		J.G.	
A.P.		A.P.		A.P.	
DATE		DATE		DATE	
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J.G.		J.G.		J.G.	
A.P.		A.P.		A.P.	
DATE		DATE		DATE	
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J.G.		J.G.		J.G.	
A.P.		A.P.		A.P.	
DATE		DATE		DATE	
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J.G.		J.G.		J.G.	
A.P.		A.P.		A.P.	
DATE		DATE		DATE	
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A.P.		A.P.		A.P.	
DATE		DATE		DATE	
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J.G.		J.G.		J.G.	
A.P.		A.P.		A.P.	
DATE		DATE		DATE	
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A.P.		A.P.		A.P.	
DATE		DATE		DATE	
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A.P.		A.P.		A.P.	
DATE		DATE		DATE	
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J.G.		J.G.		J.G.	
A.P.		A.P.		A.P.	
DATE		DATE		DATE	
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A.P.		A.P.		A.P.	
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04-04-19		04-04-19		04-04-19	
J.G.		J.G.		J.G.	
A.P.		A.P.		A.P.	
DATE		DATE		DATE	
04					



--GAS INJECTION BAR INSTALLATION--
--FRONT VIEW--

NOTE 2:

PARTS 1 THRU 9 ARE EXISTING PARTS
PARTS 10 THRU 25 PARTS SUPPLIED BY

NOTE 1:

THESE ITEMS -
MUST BE THE
SAME LENGTH

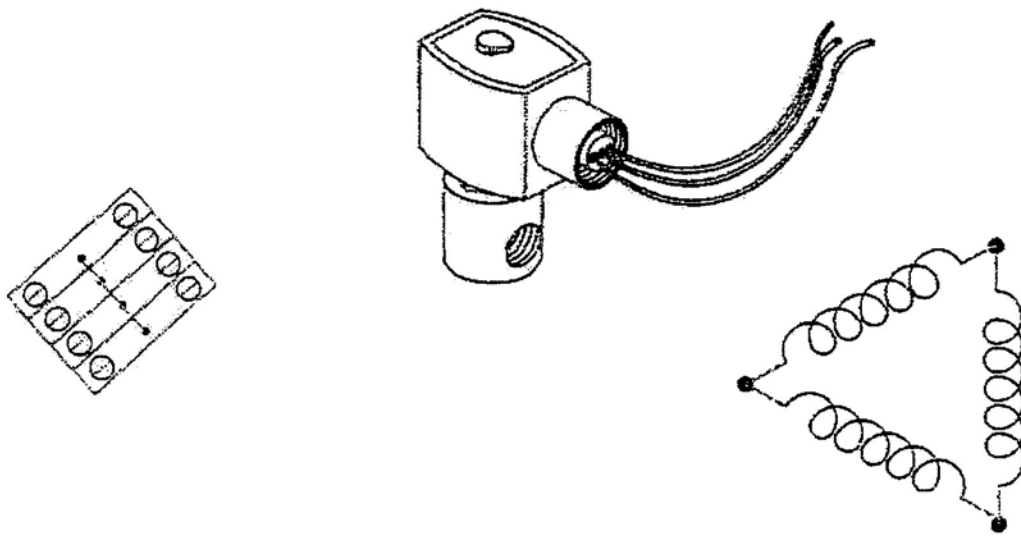
TO GAS INJECTION TUBES
UNDER TABLE, REMOVE THE TWO
EXISTING CAP & CONNECT HOSES A&B

--OPTION GAS INJECTION--

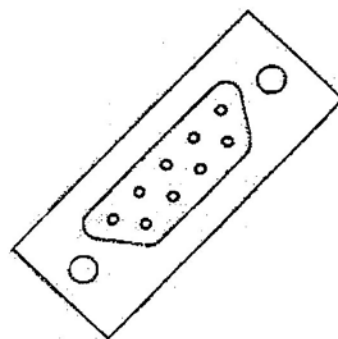
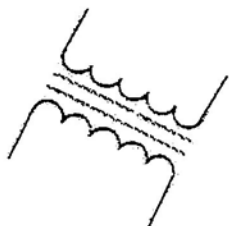
550A

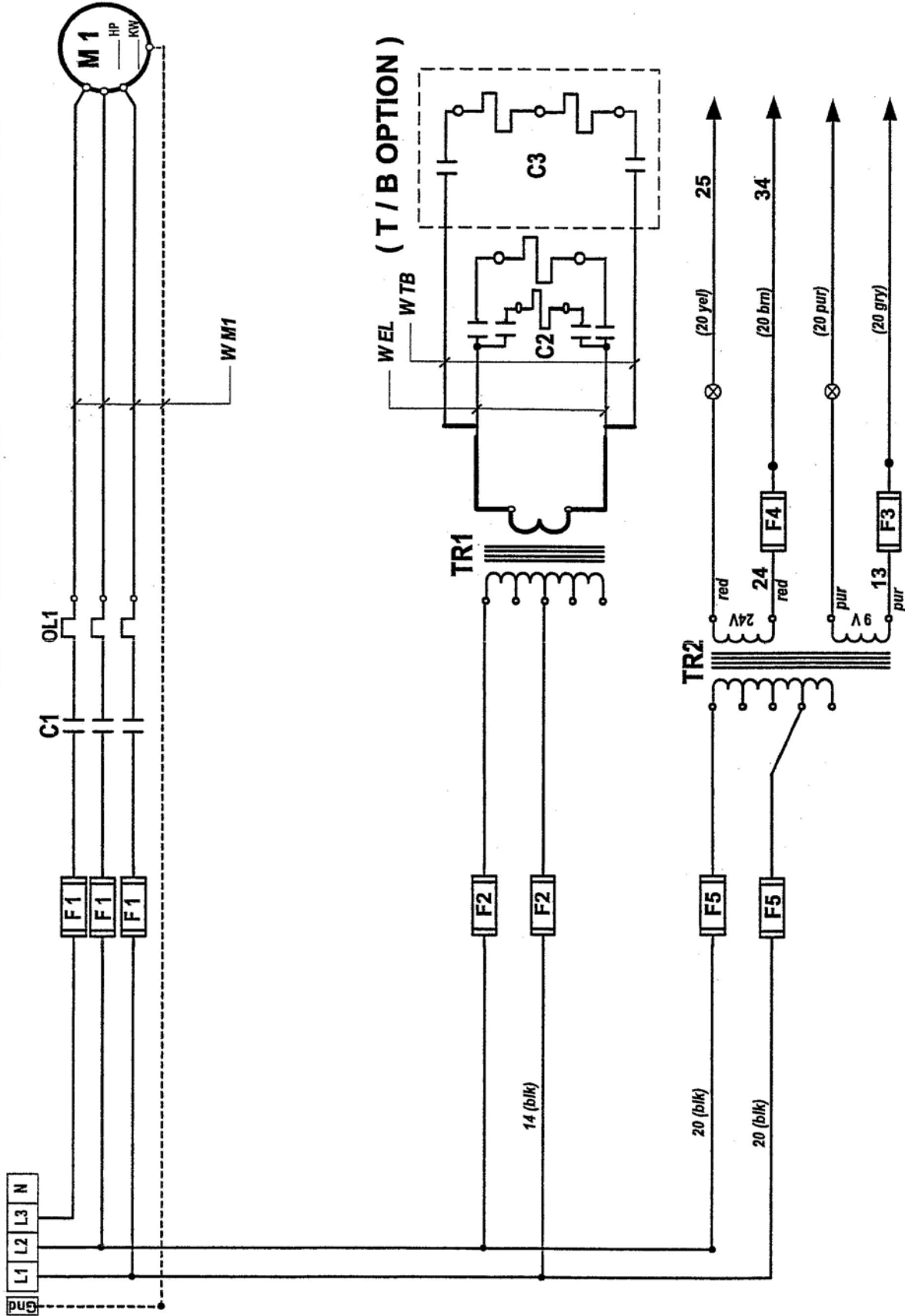
MATERIAL	550A	METRIC TOLERANCE 0 ± .05 .000 ± .003 .000 ± .0006 ANGLE ± 1°		NON TOLERANCE 0 ± .015" .000 ± .003" .000 ± .0003"		SIPROMAC ST-GERMAIN DE GRANTHAM QUEBEC CANADA	
PART	GAS INJECTION KIT INSTALLATION						
ITEM	QTY:		M-F		D.		1
MAT:	QTY		DATE 98-02-26		NO.		010-00013
	APP.		DATE				

D	MODIFICATION #A-358	03-02-21	J.G.
C	REDRAWN/ MODIF. NO. A-0241	98-02-26	A.P.
LET.	MODIFICATION	DATE	INT.



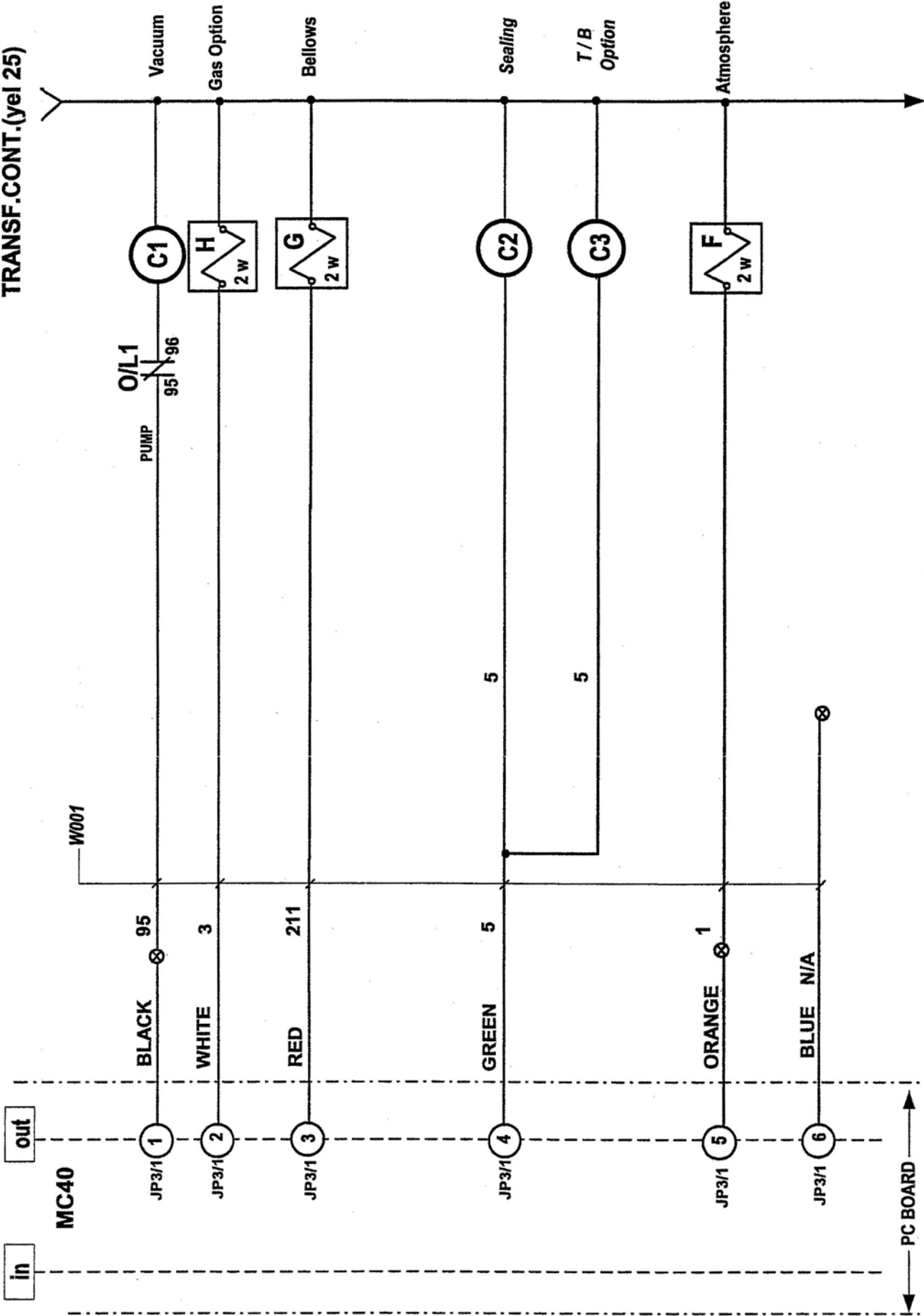
ELECTRICAL DRAWING





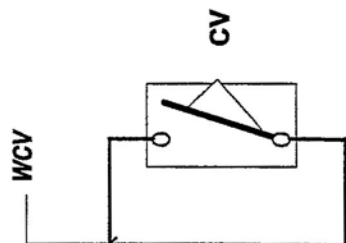
category		VACUUM PACK	model	550A		vol.		3Ph 60Hz				SIPROMAC			
system		POWER		circuit		power		year	month	day	block	St-Germain de Grantham			
usual		MC-40						05	01	18		QUEBEC, CANADA			
functions								concept	draw	app					
options								PP	PP	PP	DL	006-1030			
												PAGE 1 de 3			

TRANSF.CONT.(yel 25)



category	VACUUM PACK		model	550A		vol.		24V 60Hz		SIPROMAC			
system	Control					circuit	control				block		
usual	MC-40								year	month	day		
functions									05	01	18		
options									concept	draw	app		
									pp	pp	DL	006-1030	
												PAGE 2 de 3	

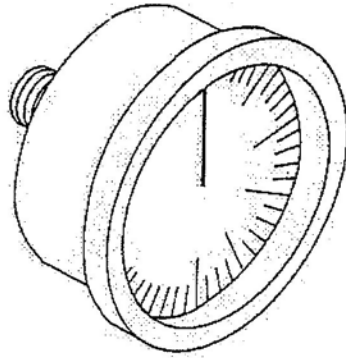
PC BOARD



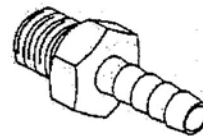
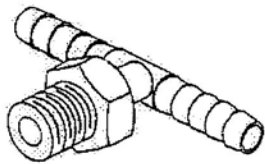
category	VACUUM PACK	model	550A	volt.				24V 60Hz				SIPROMAC St-Germain de Grantham QUEBEC, CANADA			
system	Control			circuit	control			year	month	day	block				
usual functions options	MC-40							05	01	18		concept	draw	app	DL
												006-1030		3 de 3	

RC filters must be connected on each AC coil (not shown on diagram)



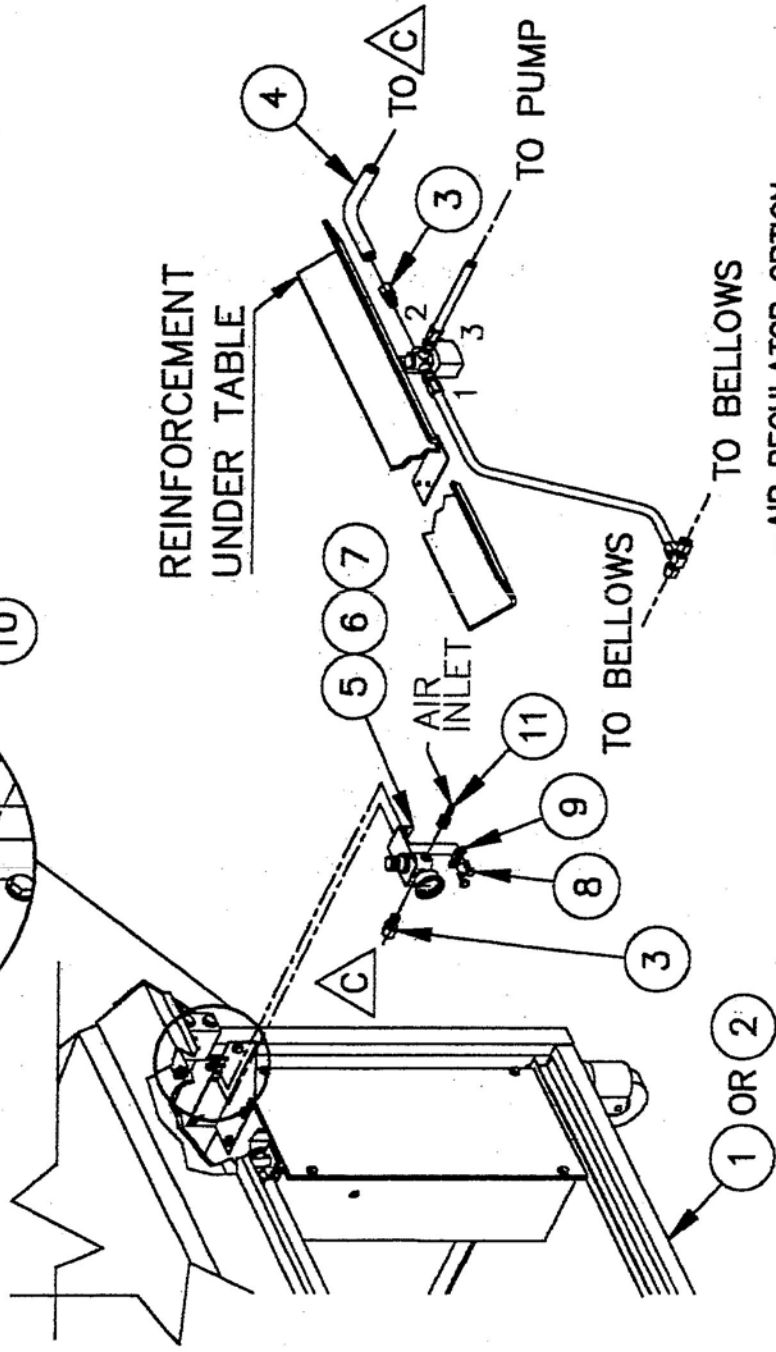
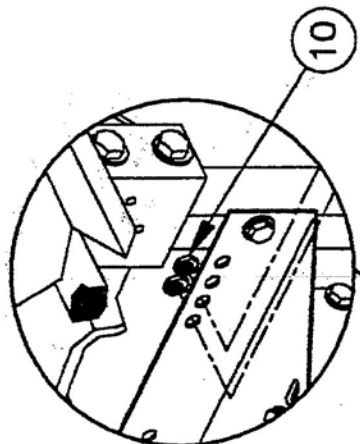


PNEUMATIC DRAWING



010-0033

ITEM	PART #	DESCRIPTION	QT.
1	005-0411	REAR VIEW MACHINE ASSEMBLY	1
2	005-0339	REAR VIEW MACHINE ASSEMBLY	1
3	101-0036	STRAIGHT 1/4" MNPT x 3/8" T.P. COMP	2
4	104-0060	TUBE 3/8" OD x 1/4" ID (POLY) x mm LG.	1
5	114-0147	PR. REG. 0-60 PSI 1/4" NPT	1
6	114-0245	PR. GAUGE 0-60 PSI 1/8" NPT	1
7	114-0170	PRESSURE REGULATOR SUPPORT	1
8	051-0147	SCREW #10-24 x 1" HEX. S/S	2
9	051-0730	WASHER #10 FLAT S/S	2
10	051-0572	NUT #10-24 NYLON LOCK S/S	2
11	101-0200	STRAIGHT 1/4" MNPT x 1/4" HOSE BARB	2

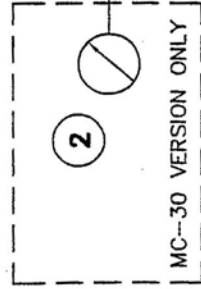
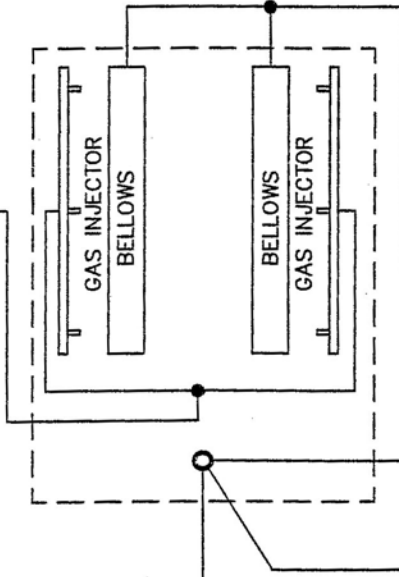
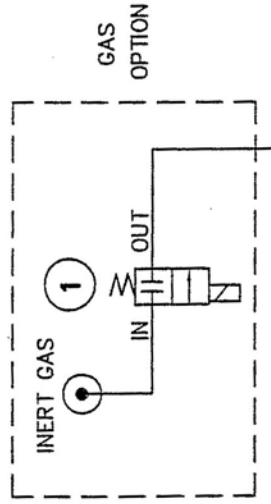


-AIR REGULATOR OPTION-

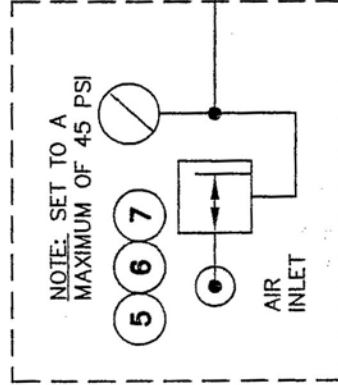
MACHINE	450A & 550A	SIPROMAC
PART	AIR REGULATOR	ST-GERMAIN DE GRANTHAM
ITEM:	OPTION KIT INSTALLATION	QUEBEC CANADA
MAT:	CNC:	SCALE: 1
DWG BY	M.LAVIGNE	DATE 97-10-07
APP.		DATE
LET.	MODIFICATION	INT.
		NO. 010-0033

007-0018

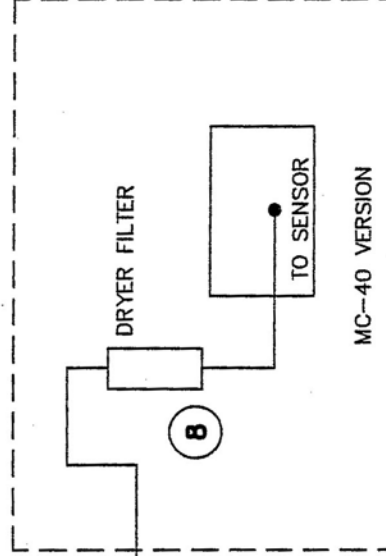
NOTE: FOR GAS INJECTION
OPTION KIT INSTALLATION
SEE DRAWING #:
450A: #010-0029
550A: #010-0013



AIR REGULATOR OPTION



NOTE: FOR AIR REGULATOR
OPTION KIT INSTALLATION
SEE DRAWING #:
450A: #010-0033
550A: #010-0033



ITEM	PART #	DESCRIPTION	QT.
1	106-0010	GAS VALVE	1
2	114-0260	VACUUM GAUGE	1
3	106-0070	BELLOWS VALVE	1
4	106-0030	ATMOSPHERE VALVE	1
5	114-0147	PRESSURE REGULATOR	1
6	114-0245	PRESSURE GAUGE	1
7	114-0170	PRESSURE REGULATOR SUPPORT	1
8	114-2020	DRYER FILTER	1

MACHINE		450A & 550A		SIPROMAC	
PART		PNEUMATIC DRAWING		ST-GERMAIN DE GRANTHAM QUEBEC CANADA	
ITEM:	CNC:	DATE	97-03-12	SCALE	1
MAT:	DWG BY	DATE	97-03-12	NO.	007-0018
DATE	APP.	DATE	04-06-11	MODIFICATION	
C	ADDED MC-40 AND DRYER	DATE	04-06-11	D.A.	
B	RE-DRAWN	DATE	97-03-12	M.L.	
LET.		DATE		INT.	

NOTES

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.