

NS 175

MIX UNIT NS/175

SERVICE MANUAL

4 1 1 0 8 1 U S A



FILLON PICHON

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East Providence, RI 02914
1-800-777-1583



The mix-unit should not be installed in a damp place or close to any source of heat.

Your NS 175 is shipped nearly assembled for fast installation.

STEPS

1. Loosen bolts in the crosspieces and position back-plate; re-tighten bolts.
2. Loosen bolts where rocker arms attach. Then align holes and rocker arm plates and bolt snugly into place.
3. Attach bolts (supplied in tool kit) both side of work surface.
4. On inside of work surface (dog legs), attach 3 bolts to each side.
5. Place 9-place gallon shelf on top of mix-unit, align shafts and bolt into place.

ELECTRICAL CONNECTIONS

Your NS 175 is equipped with an explosion-proof 1 1/2 hp motor.

This equipment is UL and CSA Approved (Class 1, Division I, Group D), for use in hazardous locations. **THE MOTOR MUST BE INSTALLED BY A QUALIFIED ELECTRICIAN ONLY.**

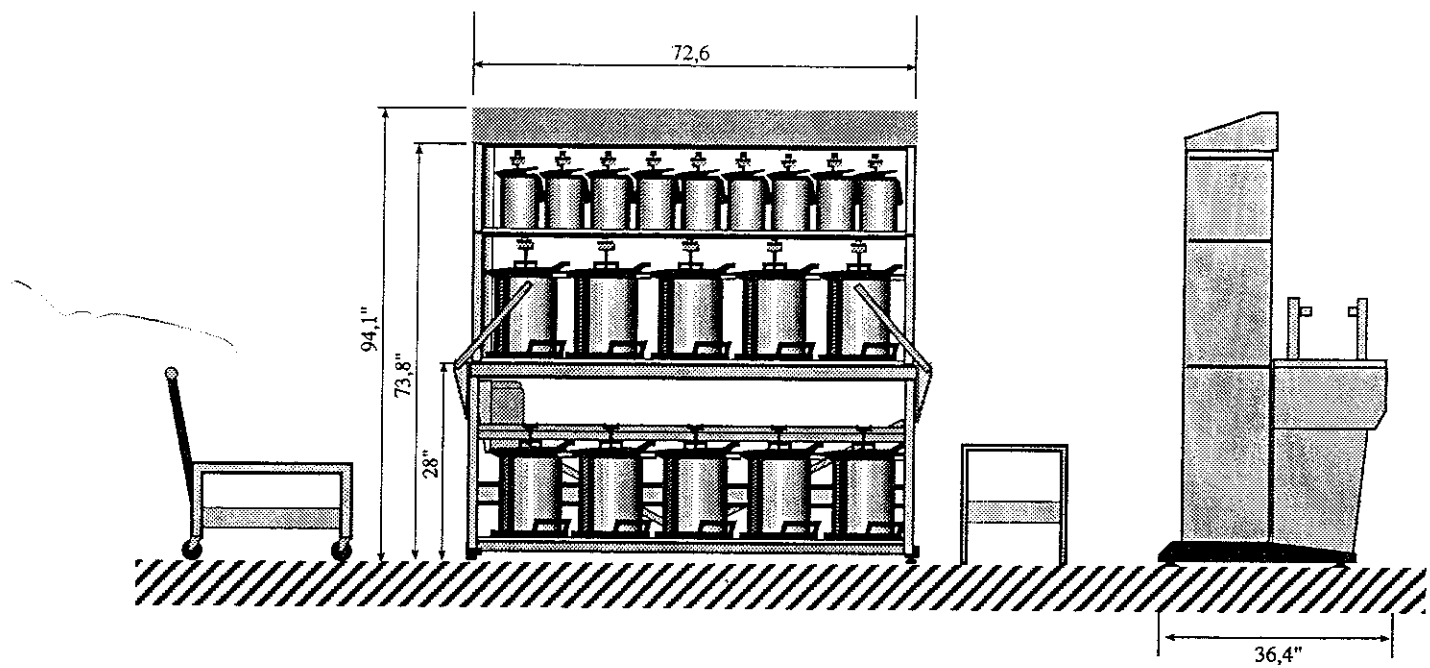
The motor is rated at 120V/60Hz, single-phase. Wires are pre-isolated to provide correct rotational direction. Mains are marked L1 and L2 (indifferent polarity).

This unit must be grounded. A ground wire (green/yellow) is supplied for this purpose.

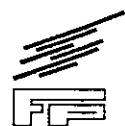
The intrinsically safe digital timer is UL and CSA Approved (Class 1, Division I, Group D) for use in hazardous locations.

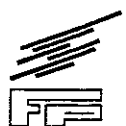
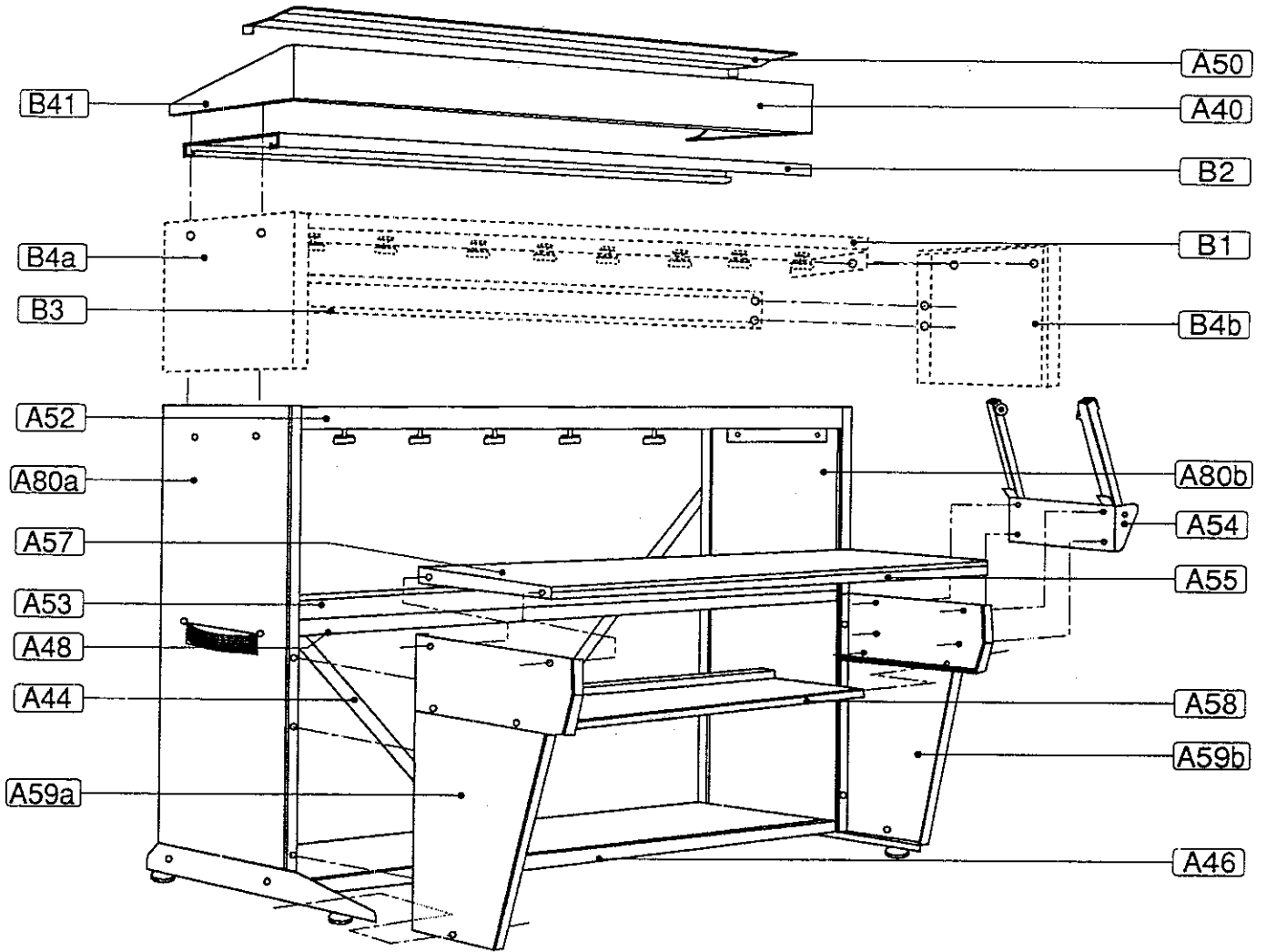


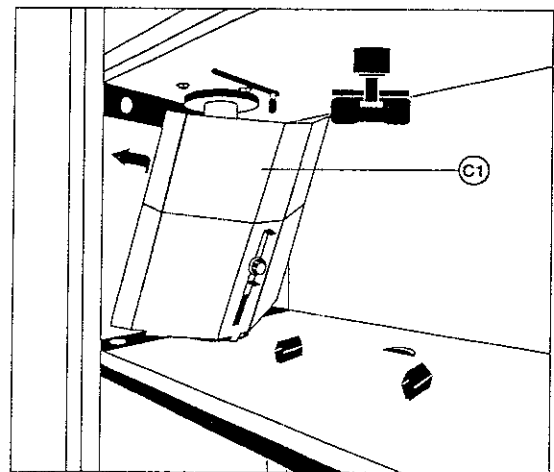
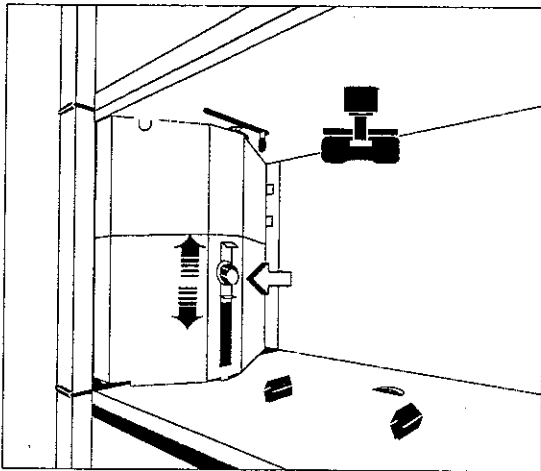
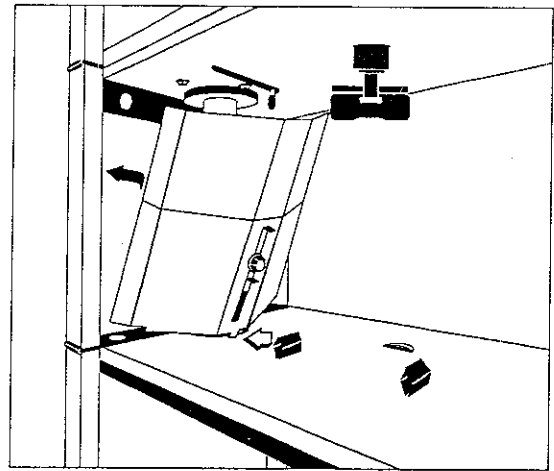
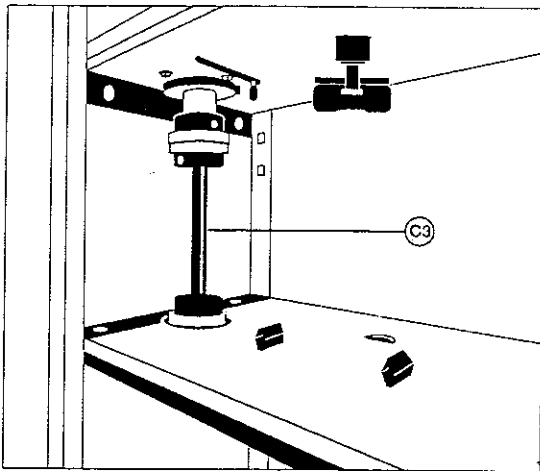
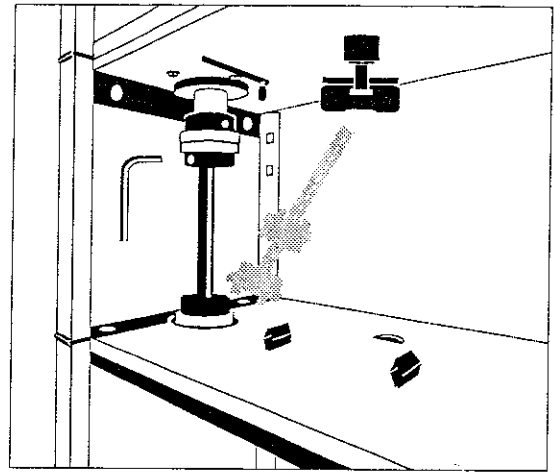
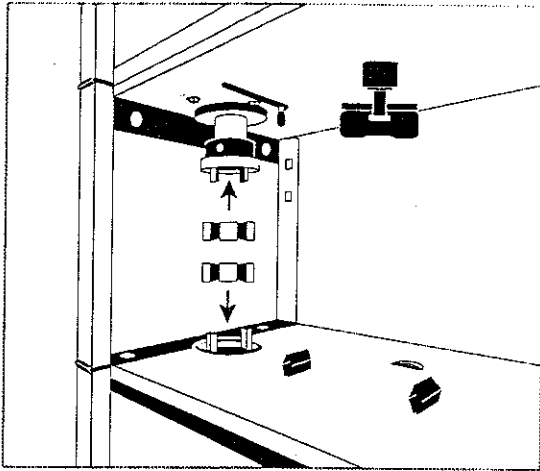
DIMENSIONS



NOTE: : Above illustration represents only one of several possible configurations.







COMMISSIONING

1. Before first using your mix-unit, check that the operator has read and understood all caution markings and text on the mix-unit and in the service manual.
2. The power supply is compatible with the power rating of the mix-unit (115V/60Hz single phase).
3. The mains fuse/breaker is compatible with the power consumption of the machine (10 amps)
4. Drive shaft and slotted shelf cover are firmly in place.
5. All electrical connections are safely covered.
6. All nuts and bolts are installed and are tight
7. Belts are correctly adjusted with 3/8" total play. If they are too loose, they will slip; if too tight, you may overload the motor
8. The unit is installed away from any source of heat (explosive vapors).
9. Do not use dented cans. Check manually that the agitators blades turn freely, before placing can in mix-unit

OPERATION

1. Make sure the agitator lids are firmly locked into position before placing cans in the mix-unit.
2. Paint cans may be safely place in, or removed from the mix-unit during operation.
3. The digital timer is pre-set for 15 minutes of continuous operation. To commence operation simply press start.
4. To add or substract agitation time, press stop, then use the (-) or (+) buttons to adjust the minutes.
5. To stop the machine at any time during operations, press stop.
6. Do not sit on the work surface.<Aucun>



ROUTINE MAINTENANCE

CAUTIONS : Before removing any protective covers, and prior to any maintenance or repair operations, make sure the mains power is OFF (disconnect the unit if possible).

DAILY : Remove and spilled paint from the mix-shelves using a standard, non-abrasive thinner. Never use water to wash down the mix-unit. Be careful not spill thinners on belts or pulleys.

MONTHLY : Check condition and tension of the mix-shelf belts and the motor drive belt. Check drive shafts; tighten set-screws if necessary.

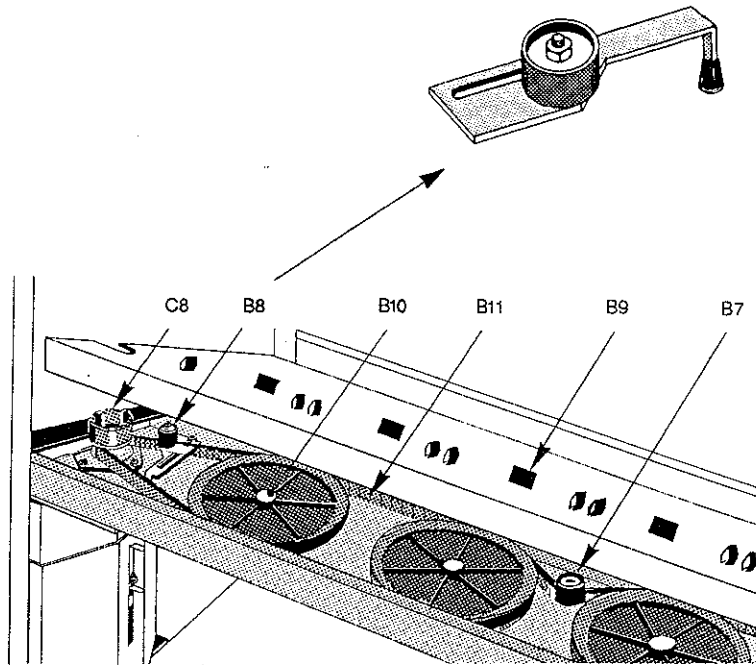
Note : To adjust the tension of the mechanical shelf belt, loosen the wing nut and pull forward slider to proper tension. Re-tighten wing nut.

FOR TECHNICAL SUPPORT OR TO PURCHASE REPLACEMENT PARTS CALL 1-800-777-1583

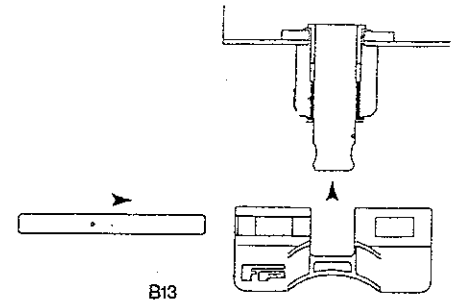
SUMMARY OF CAUTIONS

1. The mix-unit should be installed in a damp-free place, away from any source of heat.
2. Installation of the mix-unit, as well as any check, adjustment or repair of any electrical component (motor, connections, etc) should be carried out only by a **FULLY QUALIFIED ELECTRICIAN** Installation must be in accordance with all Federal, State, and local regulations, and the mix-unit should be fully grounded.
3. All electrical connections should be fully covered at all times.
4. Protective covers should always be in position. They are provided to protect you against any possible risk of injury.
5. Before removing any protective covers, and prior to any maintenance or repair operation, make sure the mains power is switched off (disconnect the unit if possible).
6. Do not use dented cans. Check manually that the agitator blades turn freely before placing cans in mix-unit.
7. Make sure the agitator lids are firmly secured before placing cans in mix-unit.
8. Make sure that the cans are securely in place before switching the mix-unit on.
9. The mains fuse/breaker must be compatible with the power consumption of the machine (10 amps).

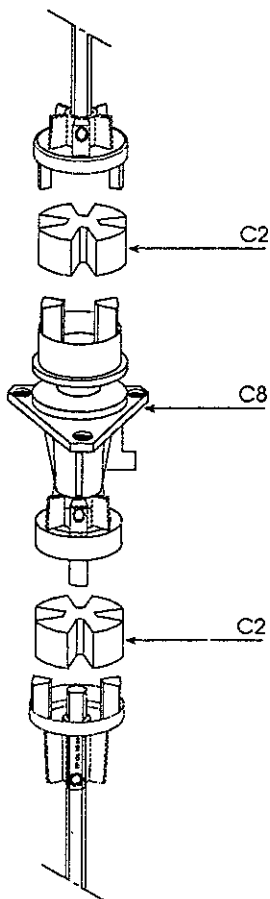




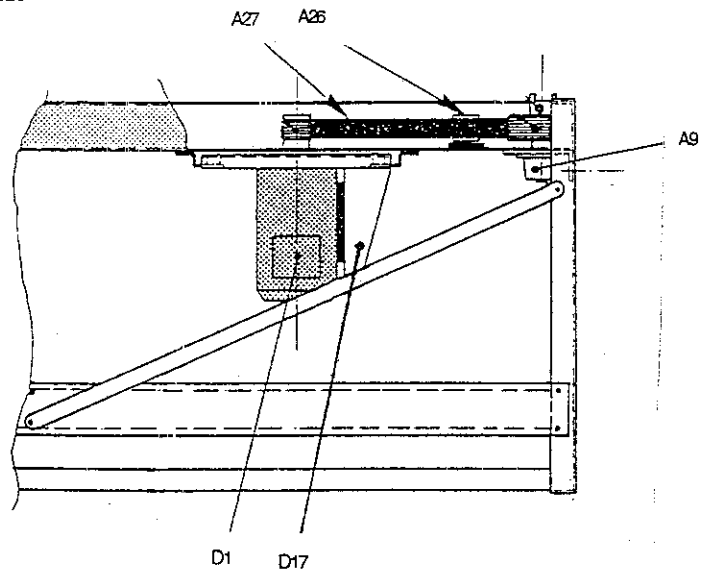
MECHANICAL SHELF



DRIVING DEVICE



FLEXIBLE DRIVE SYSTEM



MOTOR BLOCK



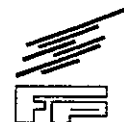
PARTS LIST

Item	Description	Code
A9	MAIN DRIVE BLOCK (complete) (with pulley and drive sleeve)	08.41.00D
A26	MOTOR BELT REGULATOR	08.31.00
A27	MOTOR DRIVE BELT L = 955 POLY V	03.01.56
A40	HEADER PLATE	18.61.01
A41	HEADER BOARD BRACKET LH/RH	18.61.11/12
A44	REAR CROSS BRACE	25.24.00
A46	BOTTOM SHELF	15.06.05
A47	SET OF STABILIZER FEET LH/RH	15.60.01/02
A48	MOTOR SHELF (complete)	12.50.13
A50	HEADER PLATE COVER	19.01.17
A51	NS - 5 PLACE MECHANICAL SHELF (complete)	12.75.10
A52	5 PLACES - NS SLOTTED SHELF COVER	13.14.17
A53	5 PLACES - NS TABLE SHELF COVER	13.11.23
A54	ARTICULATED CRADDLE (complete)	14.103.28/30
A55	WORK TOP	14.103.00
A57	WORK TOP COVER	14.68.00
A58	UNDER TABLE STORAGE SHELF	13.06.72
A59	FRONT PANEL LH/RH	16.100/101.00
A80	LARGE SIDE PANEL LH/RH	11.36.01/02
B1	9 PLACE MECHANICAL SHELF	12.51.10
B2	SLOTTED TOP COVER	13.17.03
B3	BACK PANEL	19.02.12
B4	SIDE PANEL LH/RH	11.32.05/06
B7	FIXED BELT ROLLER	08.71.00
B8	ASDJUSTABLE TENSION REGULATOR	08.72.00
B9	BAG OF 25 CAN CLAMPS	04.01.29E
B10	MECHANICAL SHELF PULLEY	
	Ø 142 GALLON STAGE	04.20.03
	Ø 235 NS - 5 GALLONS STAGE	04.20.10
B11	MECHANICAL SHELF DRIVE BELT	
	L = 3614 GALLON STAGE	03.01.34
	L = 4143 NS - 5 GALLONS STAGE	03.01.48
B13	DRIVE PLATE + PIN	04.20.07D



PARTS LIST

Item	Description	Code
C1	NS LONG SHAFT COVER	19.58.52/56
	GALLON SHAFT COVER	19.08.02/11
C2	CROSS PIECE	04.20.01
C3	NS LONG DRIVE SHAFT	29.2.535
	GALLON DRIVE SHAFT	08.50.65
C8	STANDARD DRIVE BLACK	08.17.00
D1	EXPLOSION PROOF MOTOR	E 12
D17	MOTOR BRACKET (complete)	23.34.10D



The manufacturer cannot be held responsible for any accident resulting from non-compliance with the cautions contained in this manual or affixed to the mix-unit, nor in the case of a mix-unit modified without the prior knowledge and consent of the manufacturer.

WARRANTY

Fillon Pichon USA, Inc. warrants its products to be free from defects in material and workmanship under normal use and service.

Fillon Pichon USA, Inc. will replace or repair any parts of its product which it determines is defective for a period of 18 months after shipment from our warehouse. Not included under the terms of this warranty are any parts which require replacement due to normal wear and tear (belts, fuses, etc.)

All warranty claims should be made by contacting Fillon Pichon USA, Inc. under no circumstance should the product(s) or any part thereof be returned to the factory for inspection, replacement or repair without the express written consent of Fillon Pichon USA, Inc.

This warranty shall be valid in lieu of all other warranties and representations expressed or implied, and all other obligations and liabilities on the part of Fillon Pichon USA, Inc.

This warranty shall be valid for the warranty period, as long as the equipment has been properly installed or repaired by a fully qualified electrician or mechanic. The warranty should be void, if the equipment has been subjected to unauthorized modifications, misuse, neglect, accident or non-compliance with instructions in the service manual.

