EC DECLARATION OF CONFORMITY

According to the following EC Directive
- Machinery Directive : 89 / 392 / EEC , as amended by 91 / 368 / EEC and 93 / 44 / EEC.

The undersigned, **DAVID LIN**, representing Kaulin MFG. CO., LTD. 11F 128 Sec. 3 Min Shen E. Road, Taipei, Taiwan ROC., manufacturer, declares that the machine described hereafter:

**Interlock Sewing Machine**
**Model : C007J**

Provided that it is used and maintained in accordance with the generally accepted codes of good practice and the recommendations of the instructions manual, meets the essential safety and health requirements of the Machinery Directive.

For the most specific risks of the machine, safety and compliance with the essential requirements of the Directive has been based on elements of:

The compliance of the model with the requirements of EC Machinery Directive was established by AIB – VINCOTTE Inter n.f.p, Avenue A. Drouart 27 – 29 , B 1160 , Brussels, Belgium (Notified body under the number 26 for machinery listed in annex IV of EC Machinery Directive).

Date : APR. / 15 / 2002
Signature : **David Lin**
Qualification : **VICE CHAIRMAN**
General Safety Instructions

Warning! When using this machine, basic safety precautions should always be followed to reduce the risk of fire, electric shock and personal injury, including the following. Read all these instructions before operating this product and save these instructions.

1. Keep work area clean.
   - Cluttered areas and benches invite injuries.
2. Consider work area environment.
   - Do not expose power to rain. Do not use machine tools in damp or wet locations. Keep work area well lit. Do not use power tools where there is risk to cause fire or explosion.
3. Guard against electric shock.
   - Avoid body contact with earthed or grounded surfaces (e.g. pipes, radiators, ranges refrigerators ).
   - Do not let visitors touch the tool or extension code.
5. Dress properly.
   - Do not wear loose clothing or jewelry, they can be caught in moving parts. Wear protecting hair covering to contain long hair.
6. Do not abuse the cord.
   - Never carry the machine by cord or yank it to disconnect it from the socket. Keep the cord away from heat, oil and sharp edges.
7. Maintain machine with care.
   - Follow instructions for lubrication and changing accessories. Inspect tool cord periodically and if damaged have it repaired by an authorized serviced facility.
8. Disconnect machine when not in use, before servicing and when changing accessories.
9. Avoid unintentional starting.
   - Do not carry a plugged – in tool with a finger on the switch. Ensure switch is off when plugging in.
10. Check damaged parts.
    - Before further use of the tool, a guard or other part that is damaged should be carefully checked to determine that it will operate properly and perform its intended function.
11. Warning.
    - The use of any accessory or attachment, other than those recommended in this instruction manual, may present a risk of personal injury.
12. Have your tool repaired by a qualified person.
    - Repairs should only be carried out by qualified persons using original spare parts.

Special Warning For Electric Connection

1. Incorporate this machine only with “CE” certificate hold –to – run control device.
2. Follow the instruction manual device to install control device.
3. Always earth machine appropriately during operation.
4. Before adjustment, parts change or servicing must be sure to pull out the plug from socket to prevent the hazard of unintentionally start of machine.
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<table>
<thead>
<tr>
<th>MODEL</th>
<th>C007J</th>
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<tr>
<td>Net Weight (Kgs)</td>
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<tr>
<td>Noise level, db(A)</td>
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<td>Serial No.</td>
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<tr>
<td>Dimension</td>
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<td>Width</td>
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<tr>
<td>Height</td>
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INSTALLATION

1. Before installing machine, please refer to table cut-out drawing, and the necessary attachment as enclosed, according to the sequence of installation, to fix cushion base, thread stand.

2. Be sure that the motor turning direction is clockwise, and the motor belt tension can be pressed with finger inward about 2cm. For safety reason, please fasten the belt cover. (Fig. 1 & 2)

3. Regarding machine speed and motor pulley diameter, please refer to Table 1.

Remarks:

1. During the first month of using the machine, the maximum speed shouldn't exceed 80% of the speed listed in Table 1. Make sure to choose the correct size of motor pulley.

2. The standard thickness of Table is about 50mm.

Note: Belt size depend on motor type.

<table>
<thead>
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<th>Table 1 (表 1)</th>
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<tr>
<td>S.P.M 轉速</td>
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<td>60HZ</td>
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MOTOR AND BELT

1. Clutch Motor, 1/2 HP (400W), 3 phase, 2 pole M type V belt.

2. The centre line of both motor's and machine's pulley must be aligned each other, when installing the motor.
1. Please use oil Mobil #10 or Esso #32 or its equivalent.

2. The lubricating oil has been drained from the machine before delivery, to remove screw (A), and fill the oil until the oil level reaches between lines H and L of oil level gauge. (Fig 3,4)

3. Be sure to check every day and refill the oil, if oil level is lower than line L of oil level gauge.

* Before starting a brand new machine or a machine which has not been used for more than a couple of week, oiling the needle bar.

**Fig.3

**Fig.4

1. Loosen Screw D, drain all the oil from the tank, then fasten the screw. (Fig. 5)

2. For extending the life of the machine, change oil after the initial one month operation. After that, change oil every four months.

**HOW TO CHANGE OIL FILTER

This machine is equipped with an oil filter, and the filter must be cleaned every month, replace the filter if necessary. (Fig. 6)
LUBRICATE AND THE COOLING OF NEEDLES AND THREADS

Fill reservoir (1) with silicone oil to prevent the thread from breaking. (Fig. 7)

HOW TO REPLACE THE NEEDLES

1. See Table 2 for the sizes and the specifications of the needles.

2. Loosen Screw (1), then pull out the used needles. Insert the new needles into the holder holes as far as they can go, and let the long groove of the needle face you. (Fig 8)

3. Fasten Screw (1).

Table (表 2)

<table>
<thead>
<tr>
<th>Needle System</th>
<th>Needle Size / 針尺寸</th>
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<td>#75</td>
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<tr>
<td>UY128GAS</td>
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<td>#11</td>
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</table>

* Needle size of special model, please refer to conversion chart.

* 特殊機種針之代號請参考規格件表.
穿线方法

请确保按照图示各种不同缝合情况穿线。错误之穿线将引起断线、跳针或车缝不平衡等现象，请参照第7页穿线图。

THREADING

Follow the procedures shown in (Fig 9) for threading. Wrong threading may cause thread breaking, skipping stitch, puckering or unexpected sewing. Please refer to page 7.

拉线强弱度调整

拉线强弱必须根据:
1. 车缝布料种类
2. 料质厚薄
3. 线
4. 缝距

等不同而作调整，将控制钮顺时钟方向旋转，线越紧，反之则越松。（图 9）

ADJUSTING THREAD TENSION

The tension of the thread should be adjusted according to: (Fig. 9)
1. The material and the thickness of the fabric being sewed;
2. The thread;
3. The needle gauge.

If you turn the thread tension knob clockwise, thread will be tighter.
If you turn it counter-clockwise, will be looser.

针线挑线槽之调整

1. 转动手轮使针棒位于最低位置时，针线挑线槽摆臂(1)的上边必须成水平，必要时放鬆螺丝(4)调整之。(图 10)

2. 将螺丝(2)塞开，调整 A B 两点的距离约 75mm 再锁紧。

注:
欲将针线调节时，将挑线槽(3)向左方向移动。
欲将针线调节时，将挑线槽(3)向右方向移动。

3. 上又挑线槽(5)不要调动。

ADJUSTING NEEDLE THREAD TAKE-UP

1. When the needle bar is in the lowest position, the top edge of the Needle Thread Take-up should remain horizontal. To adjust the position of the Take-up, loosen the Screw(4) first. (Fig 10)

2. Loosen Screw (2) and adjust the length between point A and B to about 75mm, then fasten Screw (2) tightly.

Note:
To loosen the Needle Thread, turn the Needle Thread Take Up (3) toward the left.
To tighten turn it toward the right.

3. Do not move the Spreader Thread Take-up (5) when making above adjustments.

上又挑线槽之调整

1. 当上又挑线槽(1)摆至最高点时，另一张线槽(2)上的小孔(A)必须与挑线槽(1)上之长条槽同高。
(图 11)

ADJUSTING SPREADER THREAD TAKE-UP

1. When the Spreader Thread Take-up (1) is adjusted to the top, the small hole (A) of the other Spreader Thread Take-up must be at the same level with the long groove of the Spreader Thread. (Fig. 11)
2. To adjust, loosen Screw (3) and (4), and move the Spreader Thread Take-up (2) up or down, and then tighten screw again.

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### ADJUSTING PRESSER FOOT

Loosen Screw(1) and adjust Presser Foot(2) left and right to a proper position to let the needle may get into the centre of Presser Foot's eyelet. After adjusting, tighten screw (1). (Fig 12)

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### ADJUSTING STITCH LENGTH

Stitch length can be adjusted variably in range from 1.2mm - 4.0mm, or 6 - 18 stitches per inch.

1. Keep pressing the push button(A) with your left hand, then turn the hand-wheel with your right hand until your left hand finger feels the push button lock in.

2. Keep turning hand-wheel for a inquired stitch length, whose scale indicated on the hand-wheel must be aligned with, then stop pressing the button. (Fig 10)

3. Rotate the hand-wheel counter clock-wide to increase the stitch length, and clockwise to decrease.

4. After adjusting stitch length the differential ratio will usually be changed too. So adjustment of differential ratio is required.
**ADJUSTING DIFFERENTIAL FEED RATIO**

The differential Feed Ratio of this machine is adjustable from 1:0.3 to 1:2.9 (Fig 15).

To adjust the ratio, loosen the nut (1), move the Indicator (2) up or down.

- To stretch the cloth, move the indicator (2) upward.
- To gather the cloth, move the indicator (2) upward.

**ADJUSTING THE PRESSURE OF PRESSER FOOT**

Pressure of the Presser Foot should be as light as possible, so that cloth can be feed and sewed Smoothly.

**CLEAN UP DUST**

Please unplug the stopper MQ22, clean up dust and waste every month. (Fig 17)
UNIT: MM

DIFFERENCE: ±2
<table>
<thead>
<tr>
<th>UNIT: MM</th>
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<tbody>
<tr>
<td>433</td>
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<tr>
<td>150</td>
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**B-B剖面**

<table>
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<tr>
<th>UNIT: MM</th>
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<td>433</td>
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<td>0</td>
</tr>
</tbody>
</table>

**B-B剖面**
1170 885 785 520 500 247 0 191 66 30 460 385 0 142 109 90 75

UNIT: MM
DIFFERENCE: ±2

A-A剖面

1170 885 785 520 500 247 0 191 66 30 460 385 0 142 109 90 75

UNIT: MM
DIFFERENCE: ±2

A-A剖面
1. Transportation
   (1) The machine packed with two piece covers that made of expanded polystyrene to protect it.
   (2) Put the machine into a carton.
   (3) Use a cart or by two men's hands to move it.

2. Storage
   (1) The machine must use duster – cover to cover it when it does not work.
   (2) The machine avoid to storage in the temperature more than 45°C.

3. Working
   The machine doesn’t work over 40°C.

4. Warning
   Pay attention to this warning advice as follow:
   a. Working area is dangerous.
   b. Never touch the needle if the machine is still running.
   c. Be careful if you in feed fabric.
   d. Do not insert your finger between needle and roller for transportation on fabric.

   Pay attention to the warning sticker.
   a. Movable parts must be enclosed with guard when you operate.
   b. Pull out the plug from socket when you adjust, thread, change bobbin and needle clean.
The specification and/or appearances of the equipment described in this instruction book are subject to change because of modification without previous notice.

MY27J. APR. 2002