



MANUALE ISTRUZIONI
INSTRUCTION MANUAL

N31-ALL-IN-ONE-E-C997-CAS





This manual is valid for all models and subclasses indicated in the "Technical Specifications" chapter.

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1 Upper threading procedure

1.01 Procedure

Turn off the machine before starting.

To insert the thread into the machine, bring the needle bar to the upper dead point, lift the bobbin "B", pull it slightly down and turn it to the left.

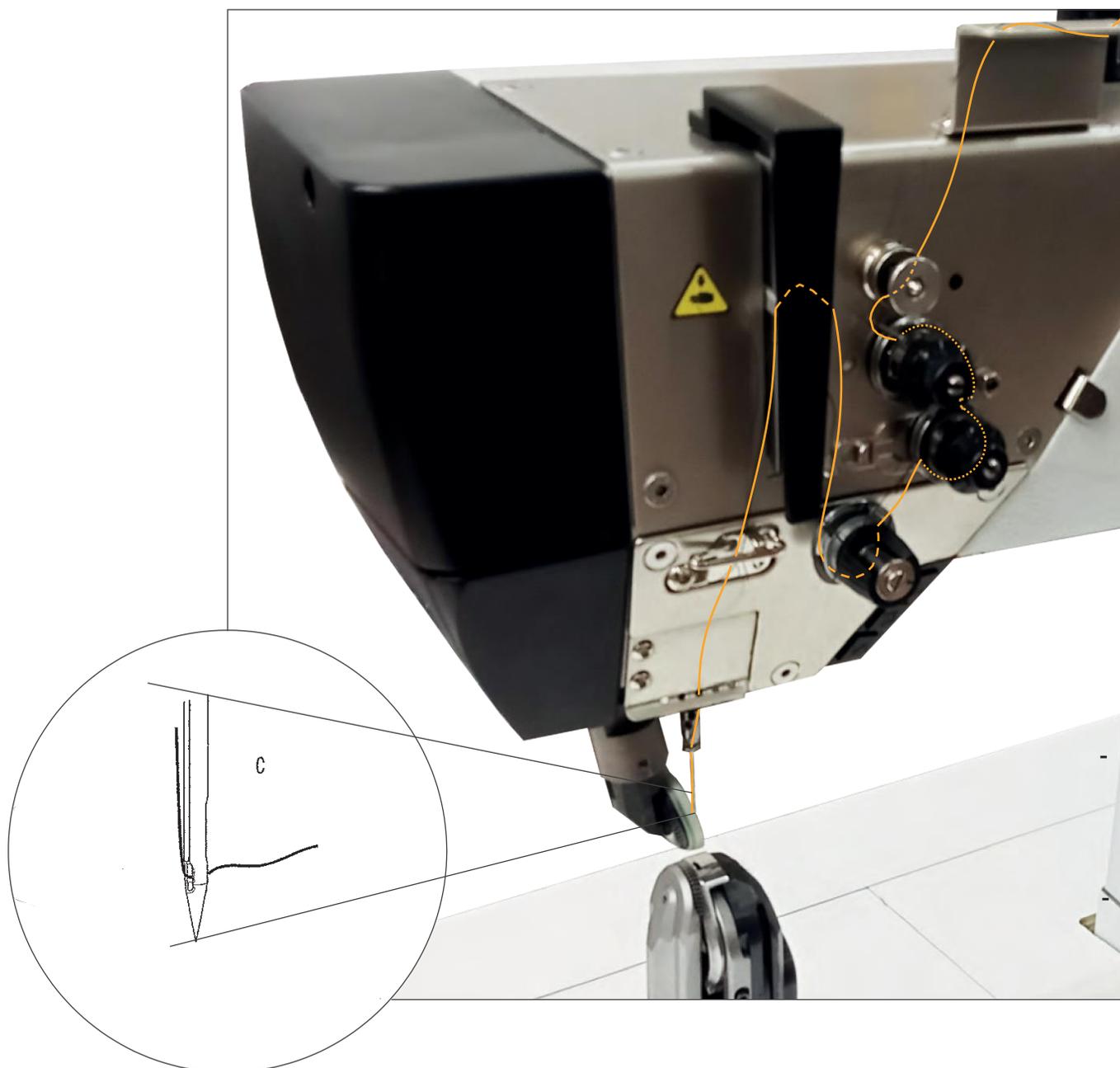
Proceed with threading according to thread passage sequences, as shown in the figure. The needle should be threaded from the left as shown in "C". Use the knobs "E" and "D" to tension the thread.

Do not start the machine without first repositioning the bobbin

Warning

You must use the safety devices supplied with the machine. Always turn off the main switch before carrying out threading or adjustments on the machine.

Upper threading



1 Procedure for refilling and changing the bobbin

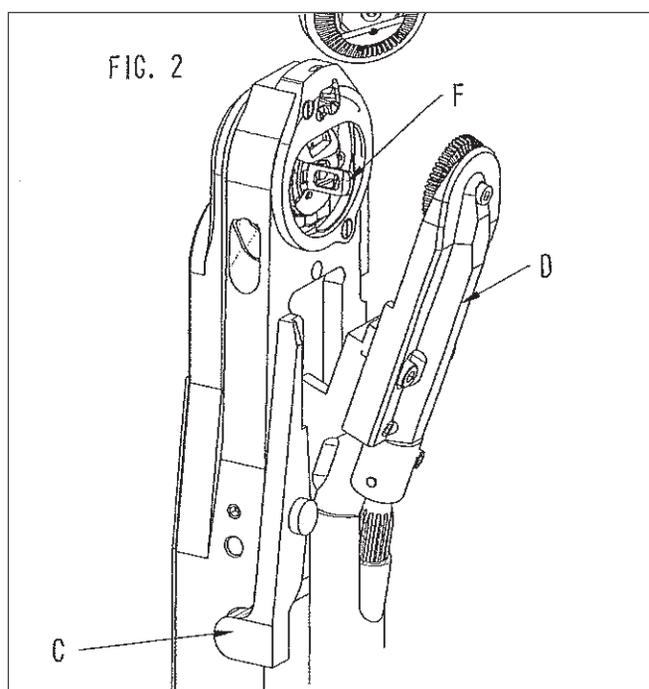
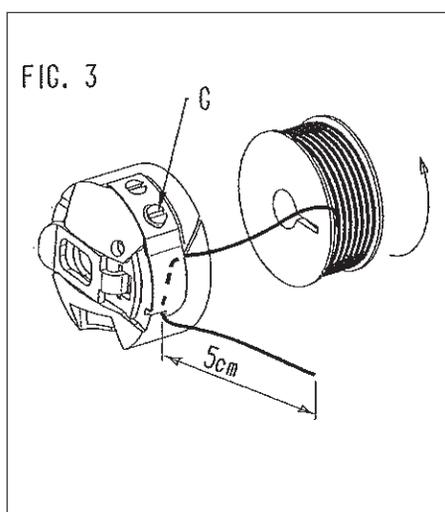
1.02 Procedure

The feed thread of the bobbin is tensioned by using the ring nut "A". To refill the shuttle bobbin, the thread must be wound around the same bobbin "B" which is inserted into the special mechanism must be pushed inwards, to engage the rotation when starting the machine Fig.1.

To remove the bobbin from the shuttle, use the lever button "B" to release and tilt the lower rotating unit "D", then raise the bracket "F" to remove the bobbin Fig.2. To replace the bobbin, proceed as shown in Fig.3.

The tension of the outgoing thread is adjusted by using screw "G".

Before restarting the machine, make sure that the rotating unit "D" is correctly repositioned.



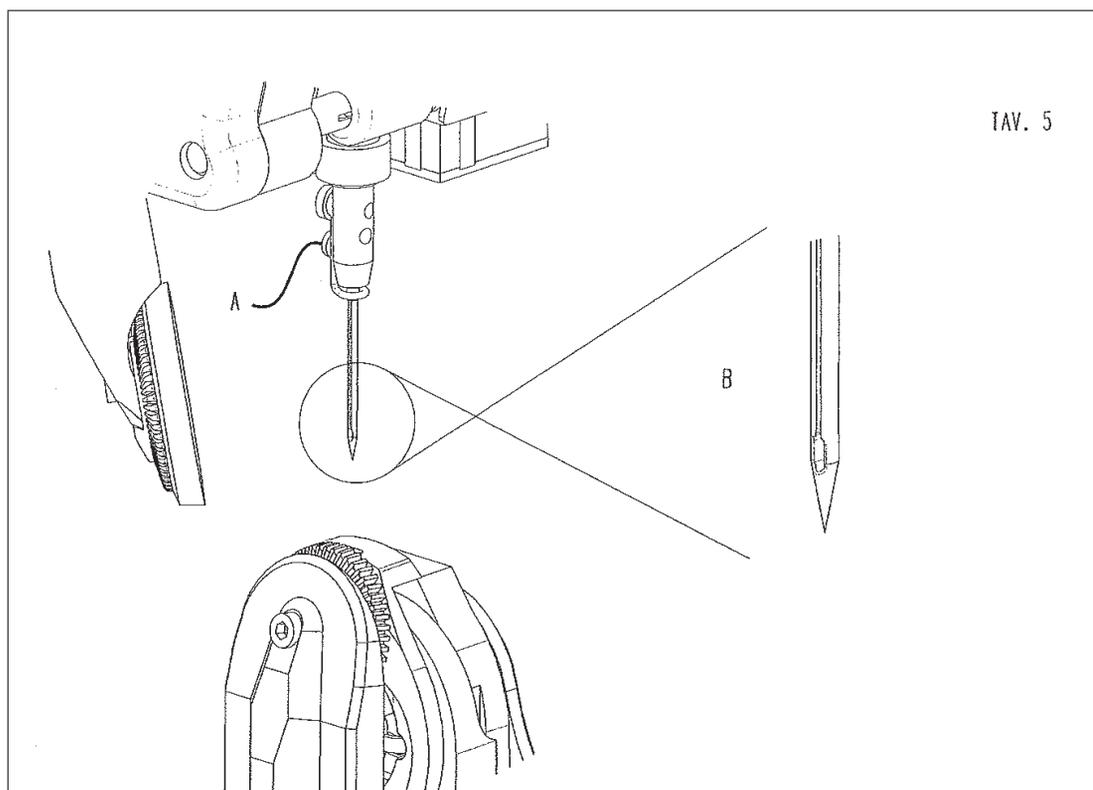
1.03 Procedure for needle replacement.

Use system 134 needles. To replace the needle, first lift bobbin "B", using the free hand system and turning it to the left. Then unscrew the fixing screw of needle "A", remove the needle and replace it. The needle must be pushed all the way in and must have the groove facing left, parallel to the front of the crochet hook or to the long side of the slot of the plate, as in "C", tighten, then the screw and return the rotating component "B" to its position. The size of the needle is in relation to the material to be sewn and the yarn, as shown in the indicative, non-binding table below.

Warning

You must use the safety devices supplied with the machine. Always turn off the main switch before carrying out threading or adjustments on the machine.

A	Supply	Fine mat.	60	70	134
			40	90	
B	Supply	Medium mat.	40	100	
			30	110	
			20	120	
C	Optional	Thick mat.	15	130	
			10	140	

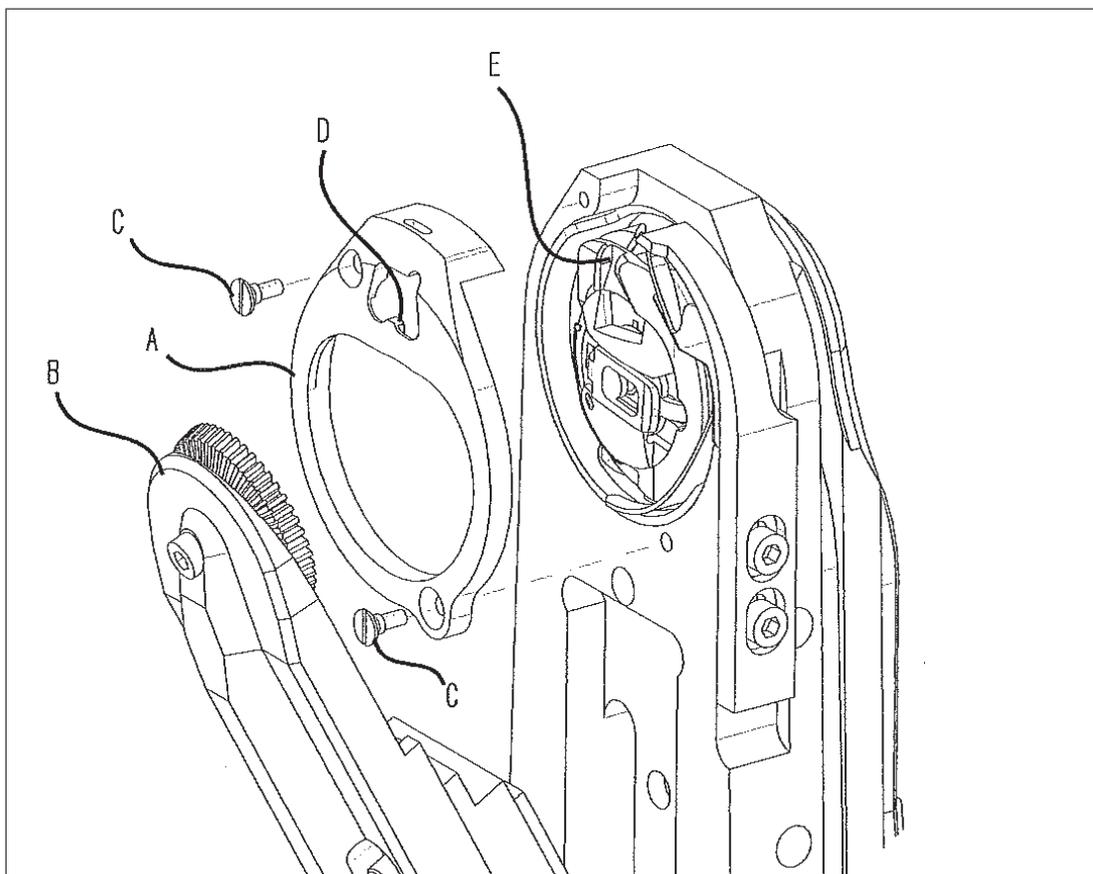


1.04 Procedure for changing the needle plate

To replace the needle plate "A", it is necessary to release the rotating unit "B", remove the screws "C" and consequently the plate "A". When refitting the new one, pay close attention that the tooth of the clasp "D" Fig.3, goes to be placed in the appropriate seat "E" of the basket, then proceed in reverse. If the crochet hook is to be replaced, the shuttle needle phase must be reset.

Warning

You must use the safety devices supplied with the machine. Always turn off the main switch before carrying out threading or adjustments on the machine. The replacement must be carried out by experienced personnel.



1.05 Procedure for resetting the thread trimmer phase

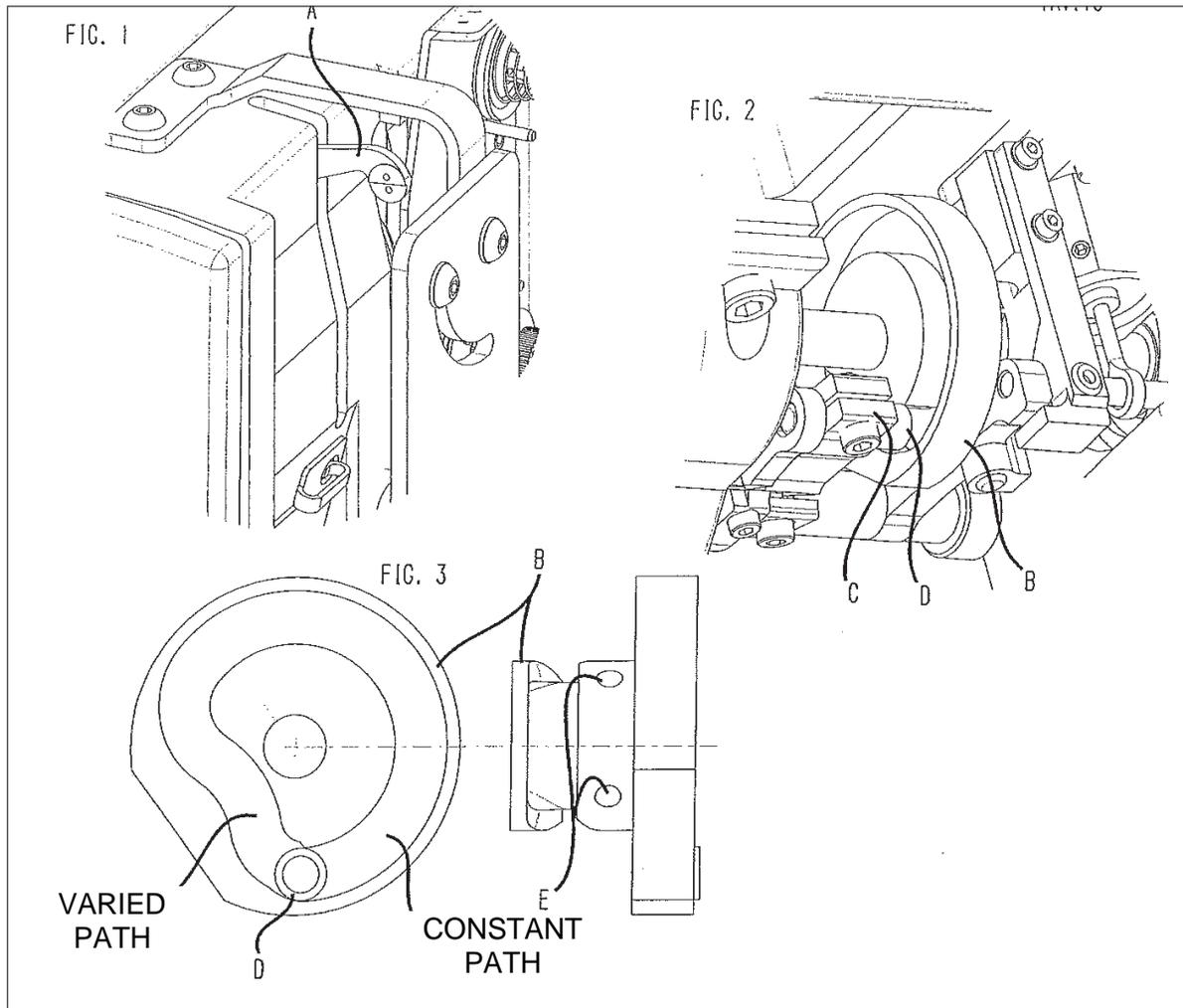
The thread trimmer is activated at the end of the stitching. When making the last stitch, while the needle bar is finishing the ascent towards the Upper Dead Point, the thread trimmer hook goes from the rest position to the hooking position. While the needle bar starts the descent, the hook returns to the rest position, pulling the crochet hook and needle thread over the sharp edge of the knife, which obviously cuts them. The cutting edge of the knife must exert a slight pressure on the tip of the thread trimmer hook.

If the right phase needs to be reset, proceed as follows:

- Manually turning the handwheel, in the direction of rotation, bring the machine to the maximum lifting point of the thread puller "A", or when it is immediately exceeded, as in Fig.1.
- Manually operate the thread trimmer so that the pawl "D" of the lever "C" is inserted in the path of cam "B". Position it, using the grub screws "E", Fig.2, at the point where the varied path towards the inside of the cam ends (hooking and repositioning of the thread trimmer hook) and the constant trajectory begins, as in Fig.3.
- Carrying out the above completes the thread trimmer phase; tighten the previously loosened screws.

Warning

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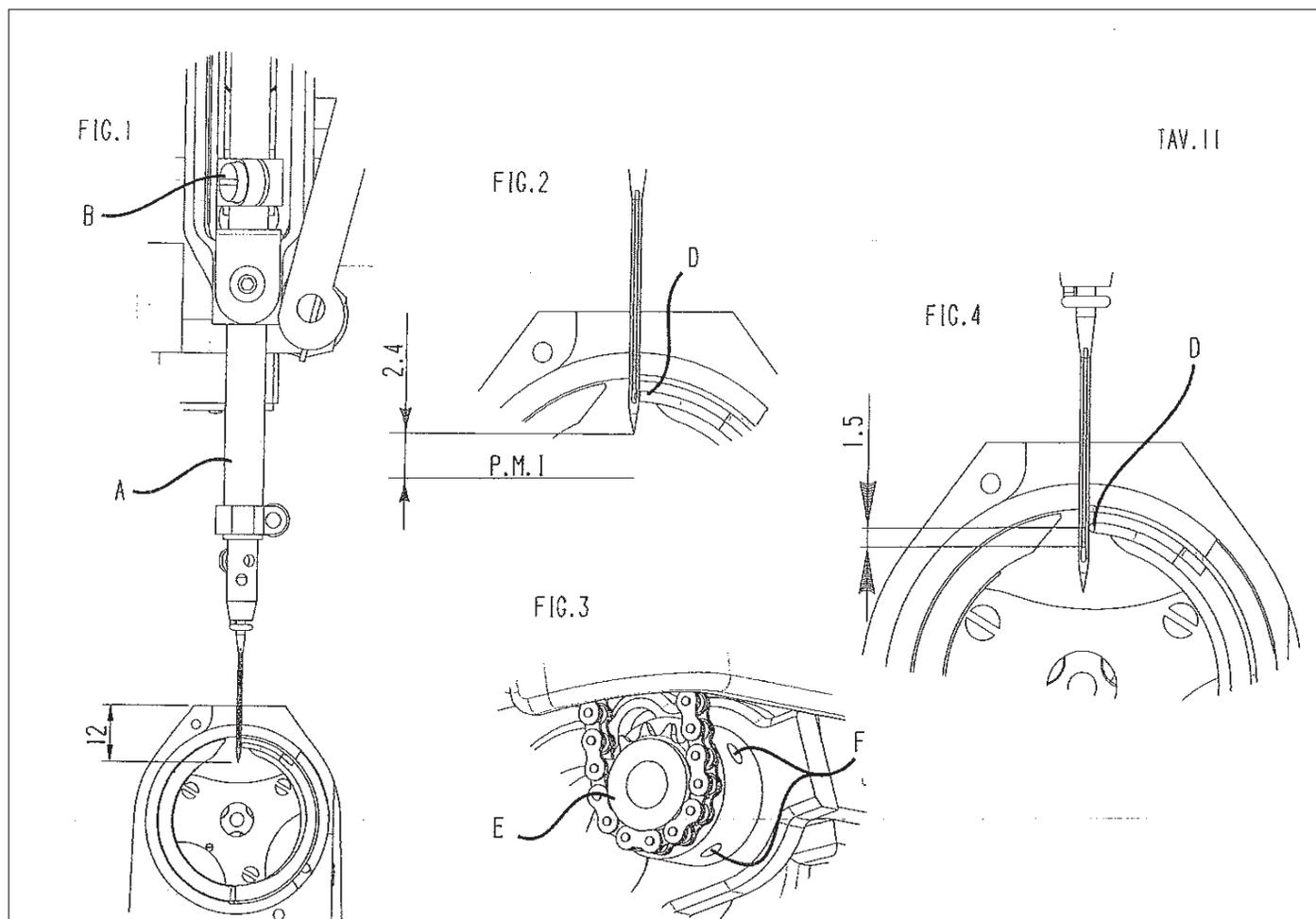
1.06 Procedure for resetting the needle phase of the crochet hook

Correct needle and crochet hook crossover results in the hooking of the needle thread. If the right phase needs to be reset, proceed as follows:

- Temporarily adjust the needle bar "A", using the screw "B" of the clamp, FIG.1, so that at the lower dead point, the needle tip is at a distance of about 12mm from the edge of the post.
- From the lower dead point, manually turning the handwheel in its direction of rotation, the needle is raised by 2.3mm, at this point the tip of the crochet hook "D" must be in the centre of the needle eye, as in FIG.2. This adjustment is carried out by using the grub screws "F" of pinion "E" FIG.3.
- Then accurately restore the height of the needle bar, again using screw "B", FIG.1, make sure that the tip "D" of the crochet hook, when it touches the needle, when rising, reaches a distance of 1.5mm, from the top of the eye of the needle, as in FIG.4.
- Tighten the screws once the adjustments have been made.

Warning

You must use the safety devices supplied with the machine. Always turn off the main switch before carrying out threading or adjustments on the machine. The replacement must be carried out by experienced personnel.



1.07 Possible models and subclasses

CAMARB N31-ALL-IN-ONE-E-C997-CAS

Electronic post-bed machine (400mm) with servo motor integrated in the sewing head, single needle, rotating feed dog, roller foot synchronised with the movement of the needle by means of stepper motors. Thread trimmer device, electric backtack and lifting of the electric foot. The C997 CAS is suitable for driver-type sewing and models with angle sewing on the heel. The structure of the "well" support table allows versatile use even as a normal post machine.

CAMARB N31-ALL-IN-ONE -E -C997-CAS-B

Electronic post-bed machine (400mm) with servo motor integrated in the sewing head, single needle, rotating feed dog, roller foot synchronised with the movement of the needle by means of stepper motors. Thread trimmer device, electric backtack and lifting of the electric foot. The C997 CAS is suitable for driver-type sewing and models with angle sewing on the heel.

1.08 Technical specifications

CAMARB N31-ALL-IN-ONE-E-C997-CAS

Type of stitch _____ 301 (Double knot stitch)

Passage under the roller foot: _____ 10mm

Passage Width: _____ 265 mm

Passage height: _____ 70 mm

Post height: _____ 180 mm

Dimensions of the head section:

Length: _____ approx. 620 mm

Width : _____ approx. 155mm

Height (above table): _____ approx. 425 mm

Base plate size: _____ 520 x 177 mm

Stitch length: _____ 0.8mm-5.0mm

Needle System: _____ 134 - 135

Needle size: _____ 60 - 160

Maximum speed: _____ 2000 stitches/min

Power supply:

Operating voltage: _____ 230 V \pm 10%,50/60 Hz

Maximum power consumption: _____ 0.85 kVA

Fuses: _____ N31 3.15 A

Noise emissions:

Sound pressure level of emissions at the workplace at the indicated speed

(measurement according to DIN 45 635-48-A-1,ISO 11204,ISO 3744, ISO 4871)

CAMARB N1-ALL-IN-ONE-E-C997-CAS = 2400^{min-1} _____ LpA = 79

dB(A)

Net weight of the head: N31 _____ about 120kg



ISTRUZIONI-INSTRUCTIONS

Udhëzime - instrucciones

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