



Marusan Linking Machine CP-102 Operation Manual



- 1.Flat type Linking Machine
- 2.Compact and easy to handle
- 3.Operate either on manual or electrical
- 4.Durable and reliable
- 5.Easy operate for beginner



- High gauge seams are neat. Being a flat type, you can easily align side seams and sleeve seams.
- Due to its simple design, this machine does not have much trouble and is highly durable.
- You can choose gauges 3,4,5,6,7,8,9,10,12,13,14,16,18,20 and 22.

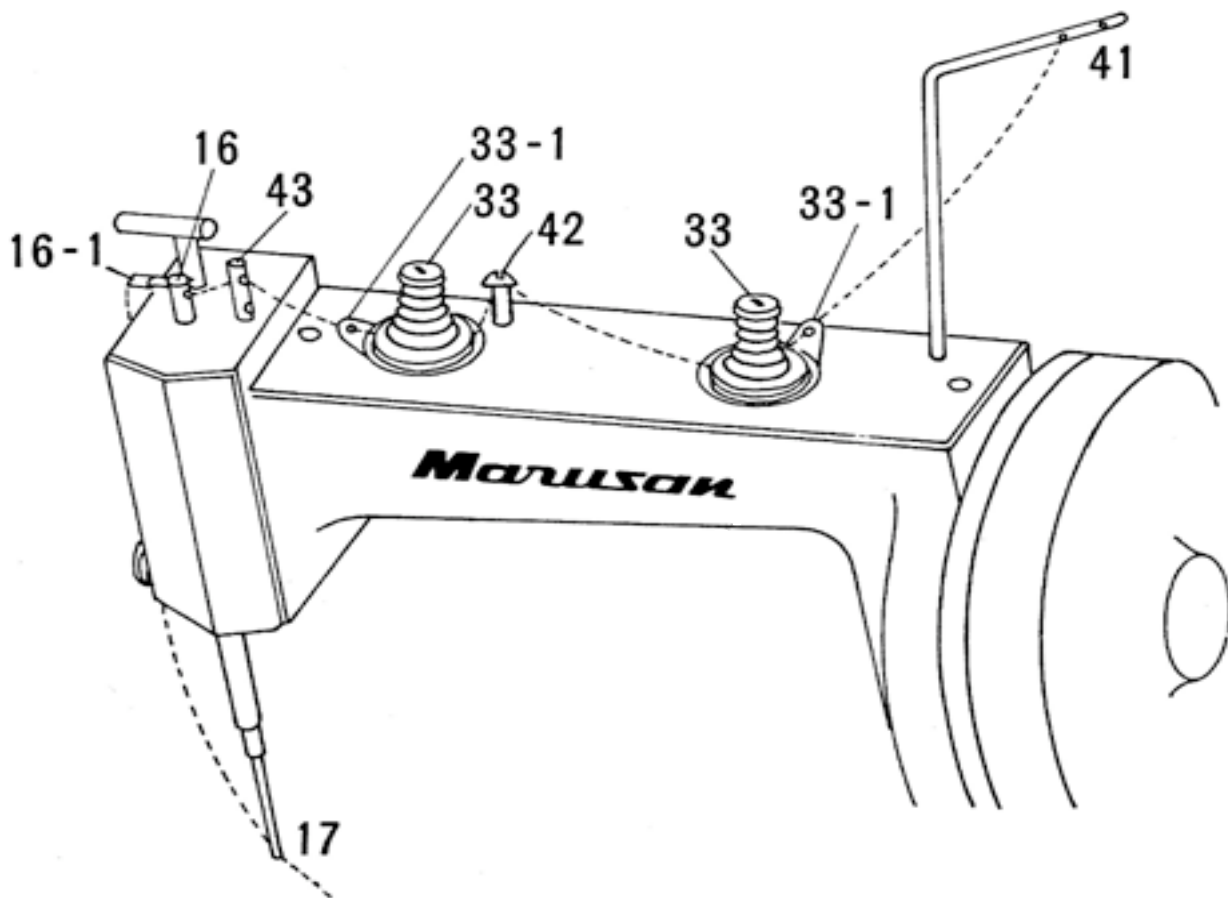


A lot of China-Japan joint venture businesses are using this machine.

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◆ Treading



(fig.1)

- Please pass through the thread from the thread Hanger(41) to (33-1)→(33)→(42)→(33)→(33-1)→(43)→(16)→(16-1)→(17).
- Please select the hole of the Thread Guide(43) from the thread material.
- You can adjust the thread tension from the Tension Stud Assy (33).
- If the thread tension is too loose, sometime the thread get entangled.

◆ Sewing

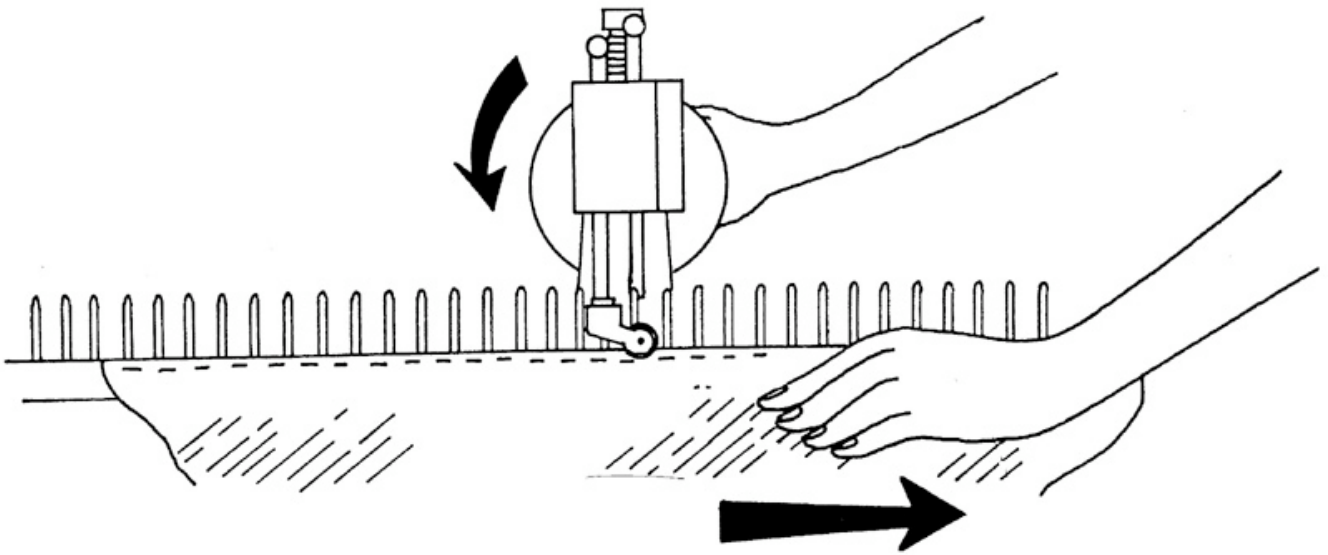


Fig.2

- Please set the texture to the under needle point.
- When you turn the pulley by your right hand, please keep your left hand on the point needle plate and pull the plate to your side weakly.
- When you use a sewing motor, please give a little flection to the point needle plate.
- When you return back the point needle plate, please lift up the point needle plate a little. In this case, please pay attention to keep an aperture between sewing needle and the point needles.

Efficient operation table



Portable operation table

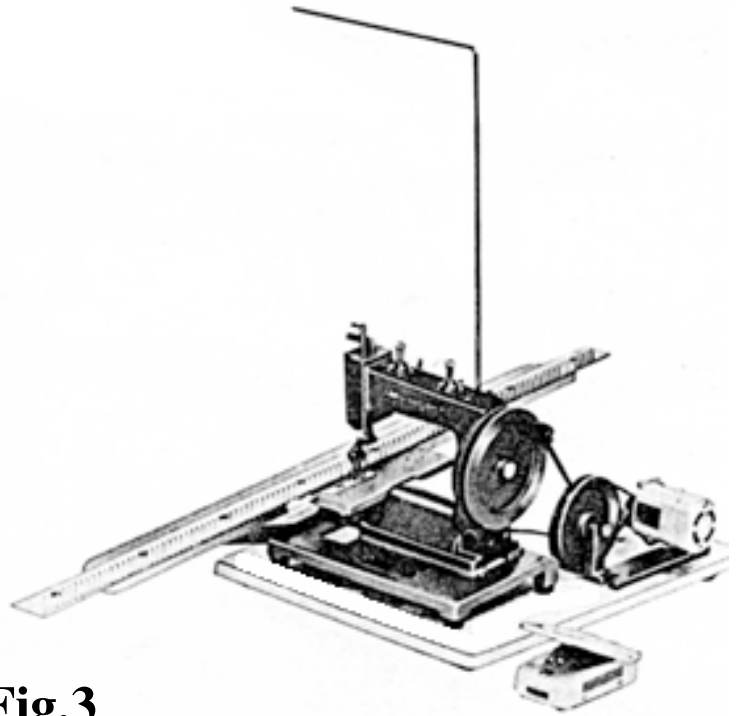


Fig.3

◆ Lubrication point

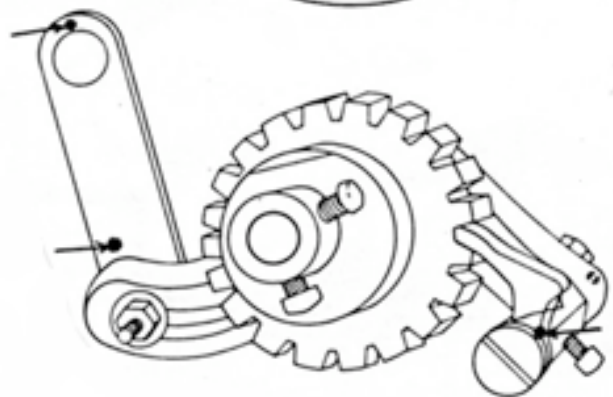
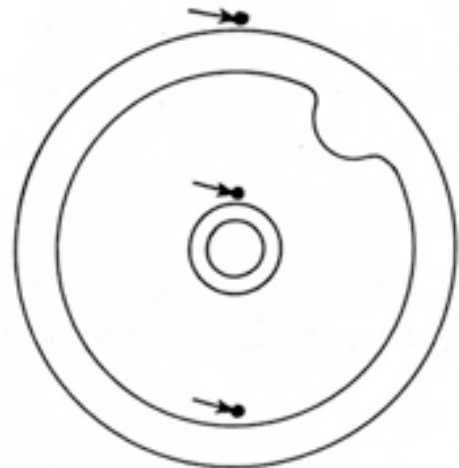
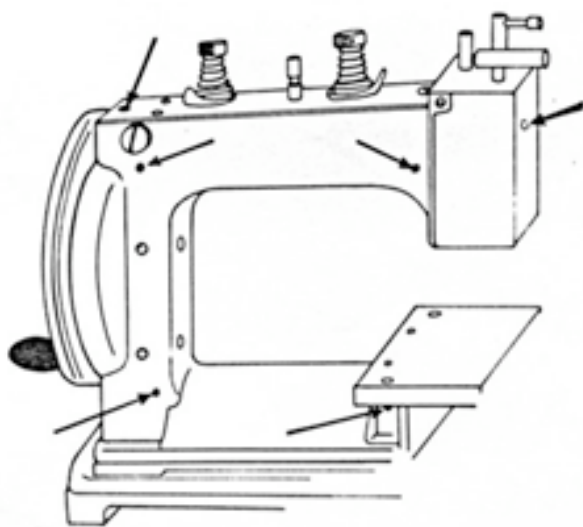
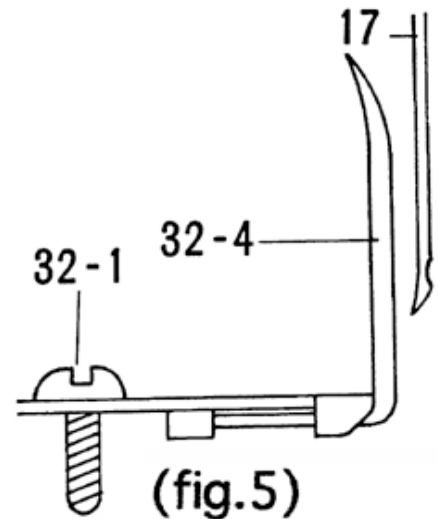


Fig.4

◆ Sewing Needles

- Please select a proper sewing needle from the thread.
- Please take care of the install direction of the sewing needle.
(see fig.5)

Standard	Black	Super	Cobalt
14.16.18	14.16.18	14.16	21.22.23



- If you would like to use the Black needle, you have to adjust the timing of the looper and the sewing needle again.

Marusan Linking Sewing Needle(Standard)

Gauge	3.4.5.6.7	8.9	10	12	14	16	18	20
Needle size	PYK23	PYK22	PYD21 PYK21	PYD19 PYD18	PYD18 PYD16 PYD14	PYD16 PYD14	PYD14	PYD14

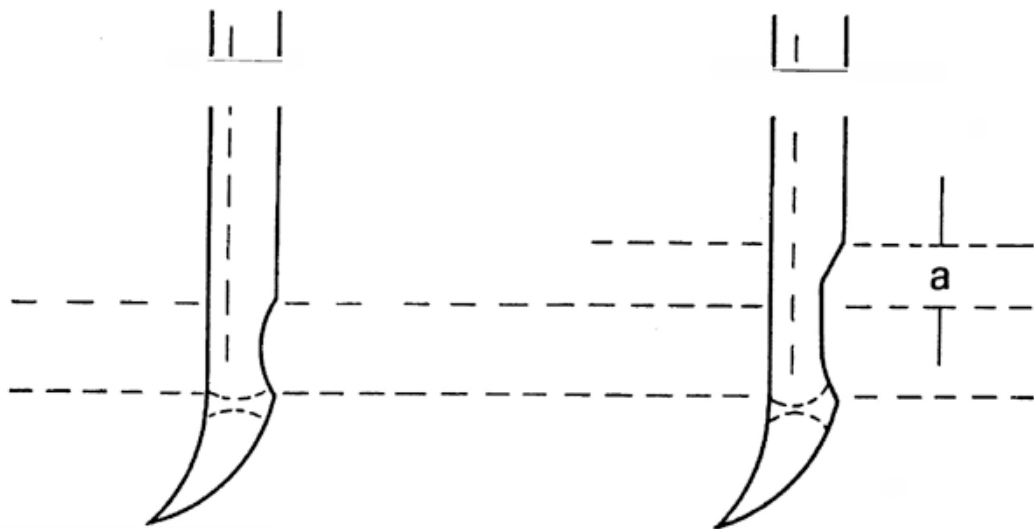
Marusan Linking Sewing Needle(Super)

Gauge	14	16	18	20
Needle size	16 14	16 14	14	14

Marusan Linking Sewing Needle(Black)

Gauge	14	16	18	20
Needle size	18 16 14	16 14	14	14

◆ Cobalt Needle for tick texture

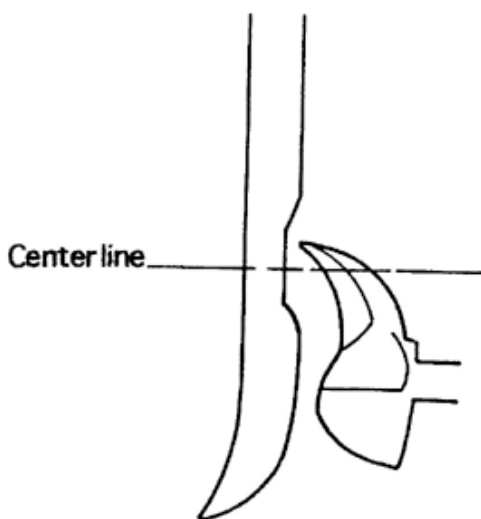


- The cobalt Needle is available for preventing the Knocking over.
- The big thread hole.
- It is available for making a good stitch.

Marusan Linking Sewing Needle(Cobalt)

Gauge	3.4.5.6.7	8.9	10
Needle size	23.24	22	21

◆ Adjustment

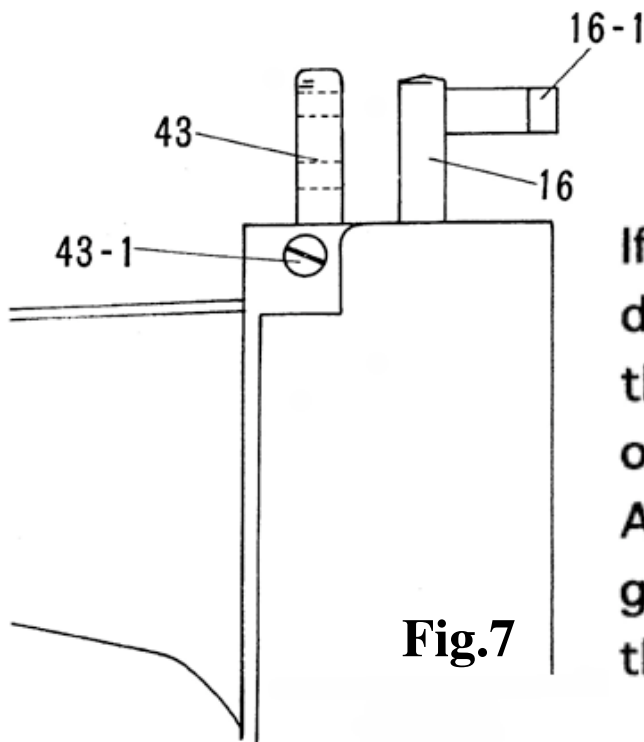


(fig.6)

1.The timing of the sewing needle and the looper.

When the sewing needle come up 1.5 ~2.0mm from the bottom deat center, please set the tip of the looper to the point which is upper than the center line of the sewing needle's ditch.

◆ Foul Tread



If you use a stretched thread or double threads, please through the thread to the under side hole of the Thread guide(43). Also, adjust the height of the Thread guide by the screw(43-1), the thread tension will be changed.

3. Dropped stitch

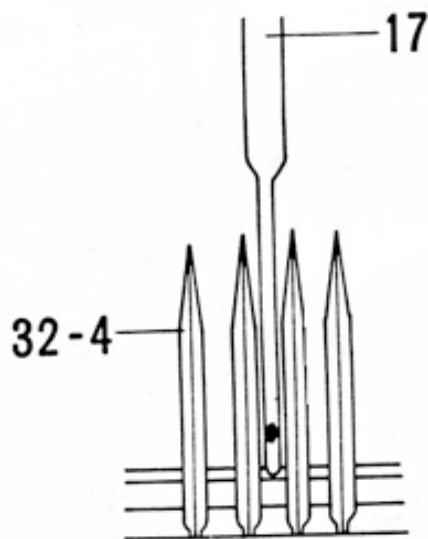
Please check the install direction and the bend of the sewing needle.

Dropped stitch has been happen, if your sewing speed is too first or the against friction of your left hand is too weak.

4. Snap a piece of texture in

Please check the condition of the flaw and the install direction of the sewing needle.

Please try to change a sewing needle size or to use the another types of sewing needl(Super,Black).



5. Needle breake

Please check the position of the sewing needle and the point needles.

The collect position of the sewing needle is the needle(17) into the center of the point needles(32-4).

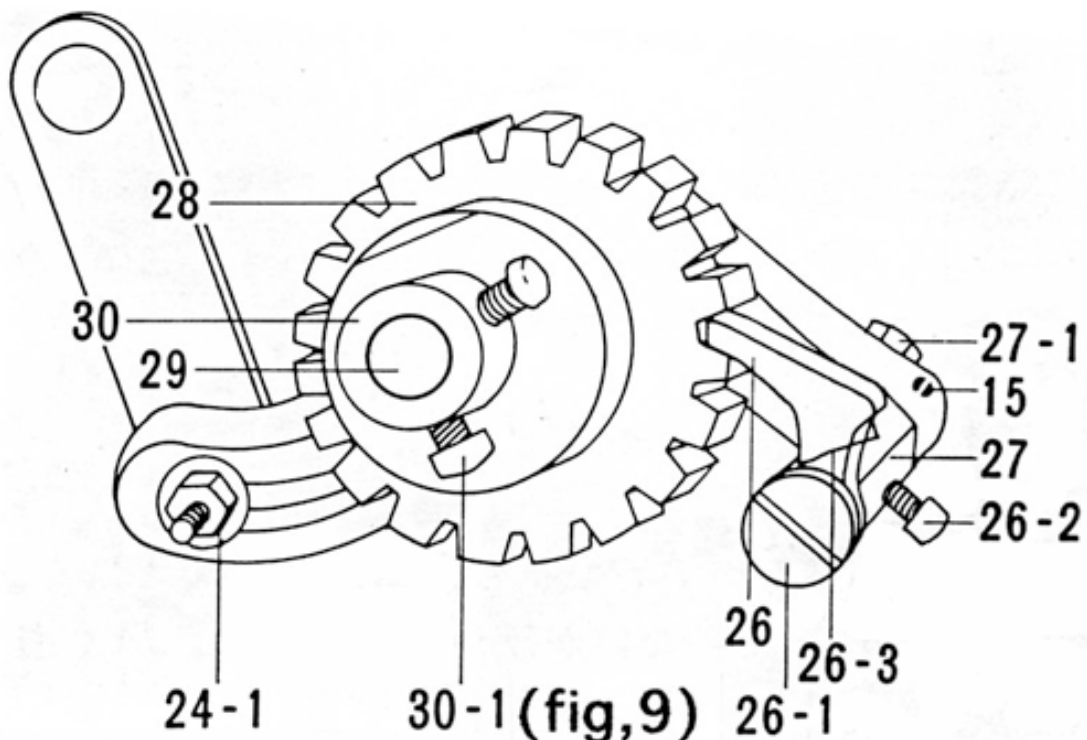
Fig.8

6. How to adjust the position of the sewing needle and the point needles

The feed naile(26) would move to up and down ,when you remove the nut(27) and revolve the nut of the feed naile bracket(27-1).

So the point needle plate would move to front or reverse.

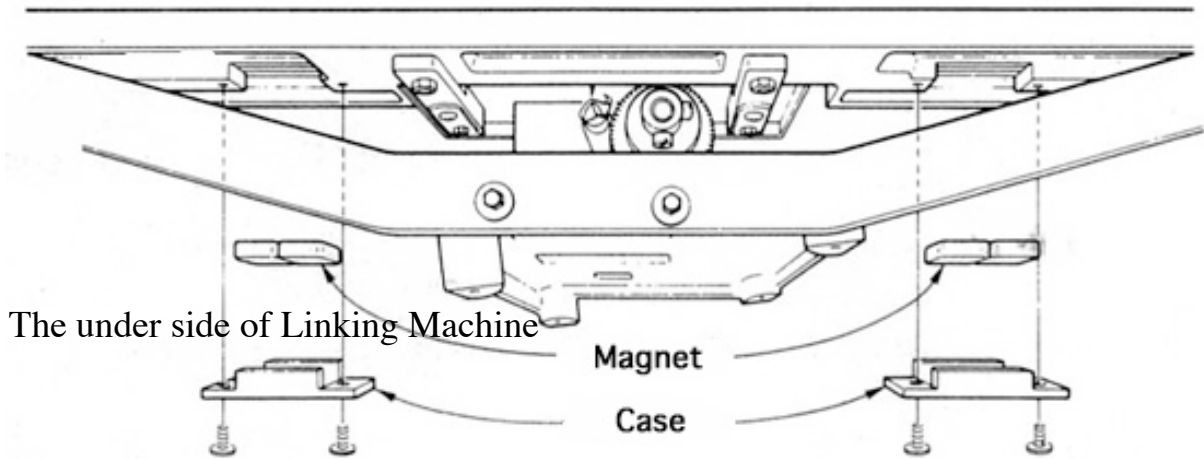
And you can get the collect needle position.



◆ Option

◇Magnet Unit

For Fabric Breakage,Dropped stitch,knocking over



After install the Magnet,
you can resolve Linking sewing trouble.
Fabric Breakage,Dropped stitch and knocking over
Because,
Magnet Unit prevent slippage and vent of point needle bar.

◇Point needle bar length

Standard size : 36 inch

Optional size : 40 inch and 45inch



◇S and SS type point needle bar

Example about 16 gauge point needle bar :

S type : The pitch of point needle is same as 16 gauge but the point needle size is 18 gauge.

SS type : The pitch of point needle is same as 16 gauge but the point needle size is 20 gauge.

◇Black needle

The tip of sewing needle is straighter than the other one.

Use for only 14 and 16 gauge machine.

18 and 20 gauge machines are already used.