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SERVICE MANUAL & PARTS LIST

MODEL: Melody 41

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TROUBLESHOOTING

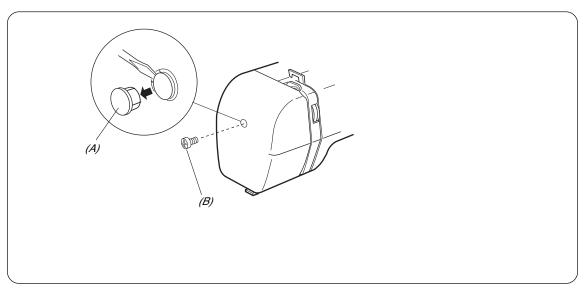
PROBLEM	CAUSE	REMEDY	REFERENCE
Skipping stitches	Needle is not inserted properly.	Insert the needle properly.	
	2. Needle is bent or worn.	Change the needle.	
	3. Incorrectly threaded	Rethread.	
	Needle or thread are inappropriate for fabric being sewn.	Use the recommended sewing needle and thread.	
	5. Sewing on stretch fabric	Use A #11 blue tip needle.	
	6. Inappropriate needle bar height	See mechanical adjustment "Needle bar height."	P. 15
	7. Inappropriate needle to hook timing	See mechanical adjustment "Needle timing to shuttle."	P. 16
	8. Inappropriate needle to hook clearance	See mechanical adjustment "Clearance between needle and hook."	P. 12, 13
Fabric not moving	Incorrect feed dog height	See mechanical adjustment "Feed dog height."	P. 14
	Thread on bottom side of fabric is jammed up.	Make sure to bring both needle and bobbin thread under the foot when starting sewing.	
	3. Feed dog teeth are worn.	Change the feed dog.	

PROBLEM	CAUSE	REMEDY	REFERENCE
Breaking upper thread	Initial sewing speed is too fast.	Start with medium speed.	
	2. Thread path is incorrect.	Use the proper thread path.	
	3. Needle is bent or dull.	Replace with a new needle.	
	Upper thread tension is too strong.	Adjust upper thread tension correctly.	P. 7
	5. Needle size is inappropriate for fabric.	Use appropriate needle and thread for fabric in use.	
	6. Needle eye is worn.	Change the needle.	
	7. Needle hole in needle plate is worn or burred.	Repair the hole or replace the needle plate.	
Breaking bobbin thread	Incorrectly thread bobbin case.	Thread bobbin case correctly.	
	Too much thread is around on the bobbin.	Adjust the position of stopper.	
	Lint is stuck inside the hook race.	Clean the hook race.	
	4. Thread quality is too low.	Change to a high quality sewing thread.	
	5. Thread is jamming around the bobbin.	Clear out the jamming thread.	
	Bobbin thread tension is too strong.	Adjust bobbin thread tension correctly.	P. 8
5. Needle breaks	Needle is hitting the needle plate.	See mechanical adjustment "Needle drop ."	P. 11
	2. Needle is bent or worn.	Change the needle.	
	3. Needle is hitting the hook race.	See mechanical adjustment "Clearance between needle and hook."	P. 12, 13
	The fabric moves while the needle is piercing it, or the needle zigzags while in fabric.	See mechanical adjustment "Needle swing."	P. 10
	5. Fabric is being pulled too strongly while sewing.	Guide the fabric gently while sewing.	

PROBLEM	CAUSE	REMEDY	REFERENCE
6. Noisy operation	Backlash between shuttle hook gear and lower shaft gear is too great.	See mechanical adjustment "Clearance between needle and hook (NO. 2)."	P. 13
	2. Lower shaft gear is loose.	Eliminate the looseness.	
	3. Inappropriate belt tension.	See mechanical adjustment "Motor belt tension."	P. 21
	4. Upper shaft gear is loose.5. Not enough oil.	Eliminate the looseness. Oil all moving parts.	
7. Deformation of pattern	Inappropriate zigzag synchronization.	See mechanical adjustment "Needle swing."	P. 10
	Inappropriate disengagement of cam follower.	See mechanical adjustment "disengagement of cam follower."	P. 20
	Upper thread tension is too strong.	Adjust upper thread tension correctly.	P. 7
	Inappropriate feed balance BALANCE	See mechanical adjustment "Feed balance on stretch stitch."	P. 18

SERVICE ACCESS

FACE COVER



TO REMOVE:

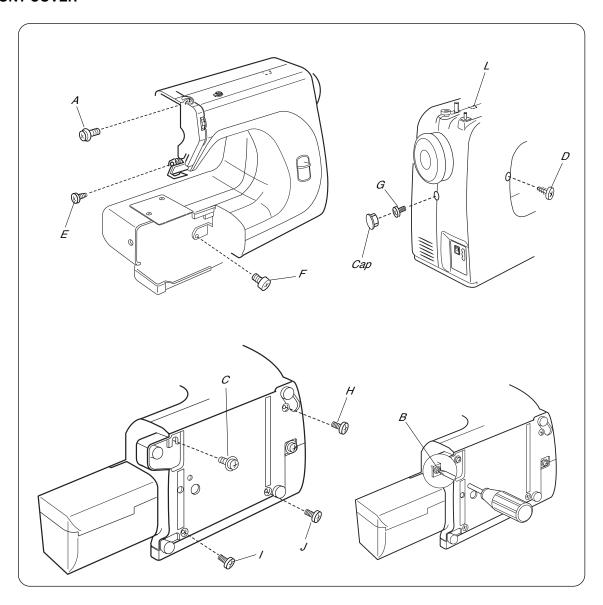
1. Remove the face cover by removing the cap (A) and screw (B).

TO ATTACH:

2. Attach the face cover with the screw, and then, replace the cap.

SERVICE ACCESS (2)

FRONT COVER



TO REMOVE:

- 1. Remove the face cover. (See page 4)
- 2. Loosen the setscrews (A), (B), and (C), and then, remove the front cover by removing the setscrews (D), (E), (F), (G), (H), (I) and (J).

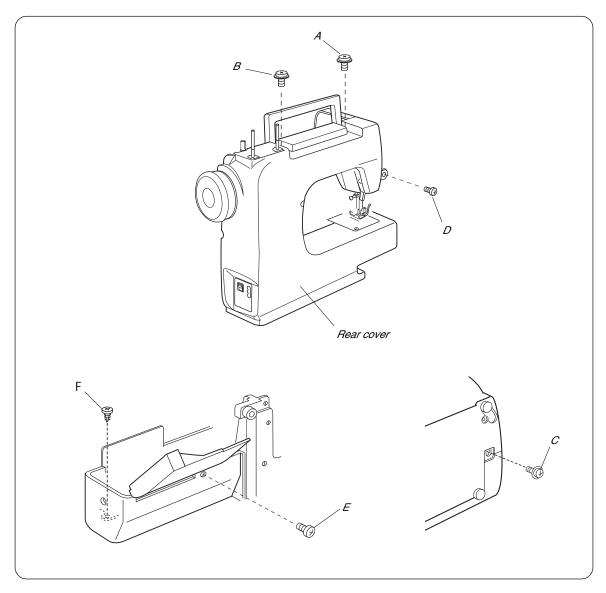
Note: Unhook the tab (L) from the rear cover when removing the front cover. the setscrews (D), (E), (F), (G), (H), (I) and (J).

TO ATTACH:

3. Follow the above procedure in reverse.

SERVICE ACCESS

REAR COVER



TO REMOVE:

- 1 Remove the face cover and front cover (See pages 4, 5).
- 2 Loosen the setscrews (A), (B) and (C), and remove setscrews (D), (E) and (F).
- 3 Pull up the spool pins. Remove the machine socket. Remove the rear cover clearing the presser foot lifter from the slit on the cover.

TO ATTACH:

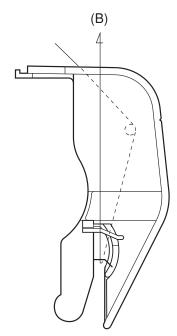
4. Follow the above procedure in reverse.

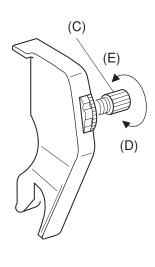
TOP TENSION

To check:

The standard upper thread tension should be 65–95 g when pulling the thread (cotton thread #50) in the direction of (B) with setting the tension dial at "3". (make sure the foot should be lowered.) If the tension is out of the standard range, adjust it as follows:

- 1. Remove the front cover unit (See page 6).
- 2. Turn the adjusting nut (C) in the direction of (D) when the upper thread tension is too tight. Turn the adjusting nut (C) in the direction of (E) when the upper thread tension is too loose.
- 3. Attach the front cover unit.





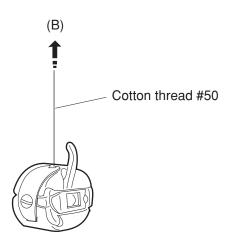
BOBBIN TENSION

To check:

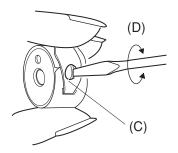
Set the bobbin in the bobbin case and pass the thread (cotton #50) through the tension spring. The bobbin thread tension should be 45–55g when pulling the thread in the direction of (B). If the tension is out of the range, adjust it as follows:

Adjustment procedure:

- 1. Turn the adjusting screw (C) in the direction of (D) when the bobbin thread tension is too tight.
- 2. Turn the adjusting screw (C) in the direction of (E) when the bobbin thread tension is too loose.



(E)



PRESSER BAR HEIGHT AND ALIGNMENT

To check:

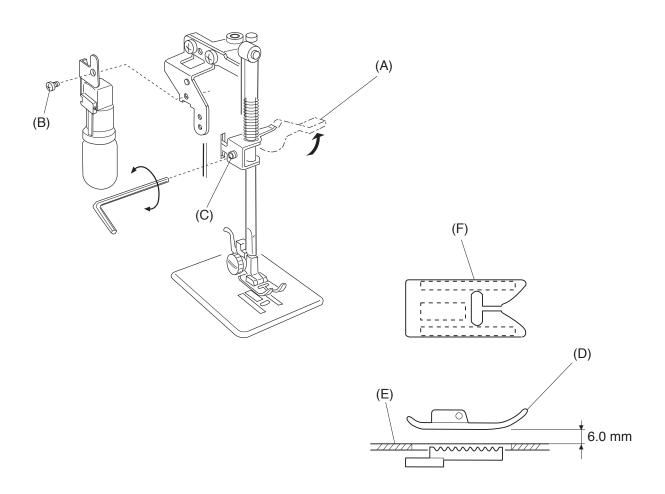
- 1. Raise the presser foot lever (A).
- 2. The distance between the presser foot (D) and the needle plate (E) should be 6.0 mm (0.24").

Adjustment procedure:

- 1. Remove the face cover (See page 4).
- 2. Raise the presser foot lever and loosen the setscrew (C) on the presser bar holder.

 Adjust the distance between the presser foot (D) and the needle plate (D) to 6.0 mm (0.24").
- 3. Tighten the setscrew (C) securely.
- 4. Tighten the setscrew (B) to secure the lamp socket.
- 5. Attach the face cover.

NOTE: When you tighten the setscrew (B), make sure that both sides of the presser foot are parallel to the feed dog slots (F) on the needle plate.



NEEDLE SWING

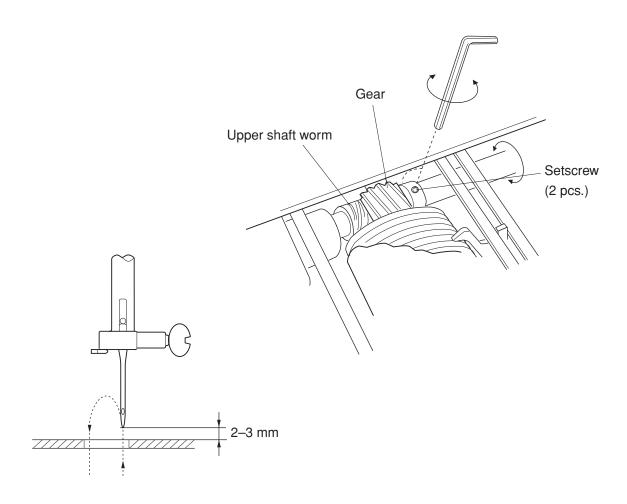
To check:

Adjust the needle swing according to the following procedure, If the needle bar starts moving sideways while the needle is in the fabric when sewing the zigzag pattern (with maximum zigzag width).

Adjustment procedure:

- 1. Set the pattern selector dial with maximum zigzag width, and remove the front cover (See page 6).
- 2. Loosen two setscrews.
- 3. Adjust the needle swing by turning the handwheel, while holding the worm so as not to rotate it, until the needle swing starts at 2–3 mm above the needle plate after the needle has come out of the right side of the needle hole.
- 4. Tighten two setscrews.
- 5. Mount the front cover.

NOTE: After adjusting the needle swing, check that the upper shaft worm and gear rotate smoothly without any backlash between them.



NEEDLE DROP

To check:

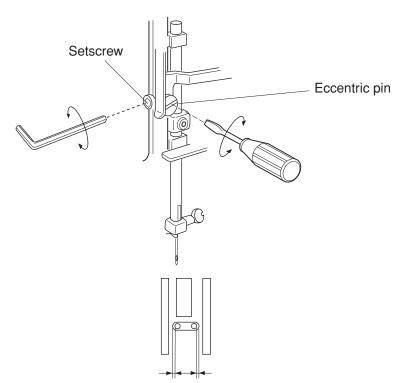
When the needle swings in maximum zigzag width, the distance between both ends of the needle hole on the needle plate and the needle drop positions should be equal.

If not, adjust as follows:

Adjustment procedure:

- 1. Remove the face cover (See page 4).
- 2. Set the pattern selector dial at maximum zigzag width.
- 3. Loosen the setscrew.
- 4. Turn the eccentric pin to adjust the needle drop.
- 5. Tighten the setscrew.
- 6. Attach the face cover.

NOTE: Check the hook timing after this adjustment.



Both clearances should be equal

CLEARANCE BETWEEN NEEDLE AND HOOK (ADJUSTMENT METHOD NO. 1)

To check:

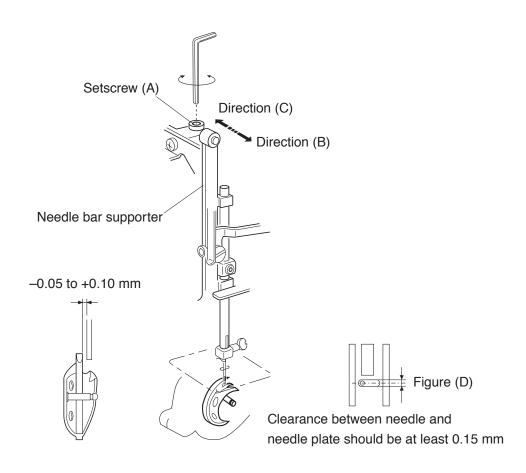
The clearance between the needle and shuttle race should be -0.05 to +0.10 mm. If not, adjust as follows:

Adjustment procedure:

- 1. Remove the face cover (See page 4).
- 2. Set the pattern select dial at " ...".
- 3. Loosen setscrew (A), and move the needle bar supporter in the direction of the arrows to get a clearance between -0.05 to +0.10 mm.
 - * If clearance is too wide, move the needle bar supporter to direction (B).
 - * If clearance is too narrow, move the needle bar supporter to direction (C).

NOTE: After this adjustment, check that the clearance between the needle and needle plate is more than 0.15 mm as shown in figure (D). If not, adjust the clearance between needle and shuttle race by using adjustment method NO.2 (see next page). Readjust the clearance between needle and needle plate more than 0.15 mm.

4. Attach the face cover.



CLEARANCE BETWEEN NEEDLE AND HOOK (ADJUSTMENT METHOD NO.2)

To check:

Use this adjustment method NO. 2 when method NO.1 cannot be used.

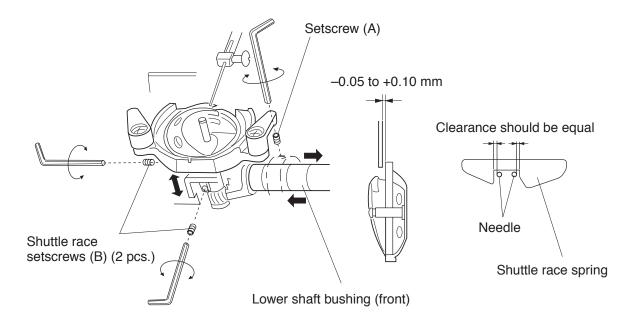
The clearance between the needle and shuttle race should be -0.05 to +0.10 mm.

Adjustment procedure:

- 1. Set the pattern selector dial at " \downarrow _ ".
- 2. Remove the rear cover (See page 7).
- 3. Loosen the setscrew (A) on the lower shaft bushing and slide the gear about 0.5 mm to the right to create some slack between the gears.
- Lower the needle and loosen the two shuttle race setscrews (B).
 Move the shuttle race unit axially either forward or backward to adjust the clearance between the needle and the shuttle race in the range of -0.05 to +0.10 mm.
- 5. Set the pattern select dial at " \ ", turn the handwheel to check if the clearance between the needle and inner edges of the shuttle race spring at the left and right needle drops are equal. If not, adjust by turning the shuttle race unit.
- 6. Tighten the two shuttle race setscrews (B).
- 7. Loosen the setscrew on the lower shaft bushing and slide the gear back to the original position while adjusting the backlash.
- 8. Tighten screw (A) firmly.
- 9. Attach the rear cover.

NOTE: The rotary play of the tip of the shuttle driver should be less than 0.3 mm and the lower shaft should turn smoothly.

After the adjustment, check the hook timing.



FEED DOG HEIGHT

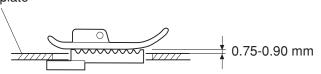
To check:

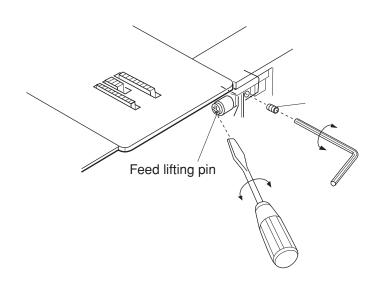
- 1. Lower the presser foot.
- Turn the handwheel toward you to bring the feed dog to its highest position. The height of the feed dog from the needle plate should be 0.75-0.90mm.
 If it is not in the range, adjust as follows.

Adjustment procedure:

- 1. Open the shuttle cover.
- 2. Lower the presser foot and turn the handwheel toward you until the feed dog comes to its highest point.
- 3. Loosen the setscrew (A).
- 4. Turn the feed lifting pin to adjust the height of feed dog (0.75-0.90 mm).
- 5. Tighten the setscrew (A).
- 6. Turn the handwheel toward you to recheck the height of feed dog.

Needle plate





NEEDLE BAR HEIGHT

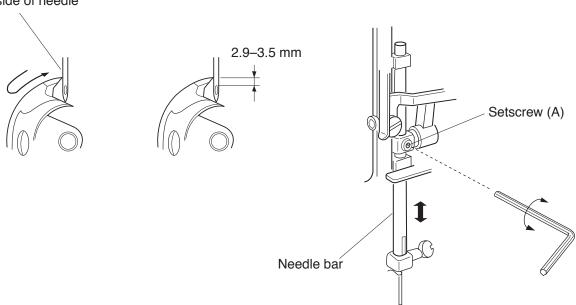
To check:

When the tip of shuttle hook meets the left side of the needle in ascending travel of the needle from its left and lowest position, The distance between the top of the needle eye and the tip of the shuttle hook should be in the range of 2.9-3.5 mm.

Adjustment procedure:

- 1. Open the face cover.
- 2. Set the pattern selector dial at " \downarrow __ ".
- 3. Open the shuttle cover.
- 4. Remove the shuttle race ring.
- 5. Turn the handwheel toward you until the tip of the shuttle hook meets the left side of the needle.
- 6. Loosen the lower shaft crank arm screw (A).
- 7. Adjust the height of the needle bar by moving the needle bar upward or downward without turning it.
- 8. Tighten the setscrew (A).
- 9. Attach the shuttle race ring.

Tip of shuttle hook meets left side of needle



NEEDLE TIMING TO SHUTTLE

To check:

The height of the needle point from its lowest point of travel should be in the range of 1.4-2.0 mm when the tip of the shuttle hook just meets the left side of the needle at the left needle position.

Adjustment procedure:

- 1. Set the pattern selector dial at "
- 2. Remove the base (See page 5).
- 3. Open the shuttle cover.
- 4. Remove the shuttle race ring.
- 5. Turn the handwheel toward you until the tip of the shuttle hook meets the left side of the needle.
- 6. Loosen the lower shaft crank arm screws (A).
- 7. While holding the shuttle hook so it doesn't turn, turn the handwheel toward you until the needle comes to its lowest position.

Then, further turn the handwheel to raise the needle about 1.7 mm from its lowest position.

- 8. Tighten the setscrews (A).
- 9. Turn the handwheel toward you to check if the height is in the range of 1.4-2.0 mm. If it is not in this range, repeat the above procedure.
- 10. Attach the shuttle race ring.
- 11. Attach the base.

1.4-2.0 mm Lowest position

Lower shaft crank arm

Setscrews (A) (2 pcs.)

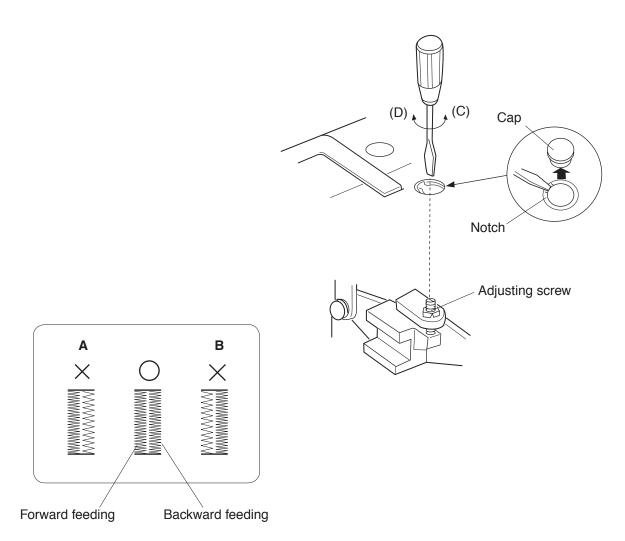
Lower shaft

BUTTONHOLE FEED BALANCE

To check:

When sewing buttonhole, the stitches on each side of buttonhole should be the same stitch density. The range of 9-12 stitches in the right side row "backward feeding" against 10 stitches in the left side row "forward feeding" is considered acceptable.

- 1. Check the stitches by sewing buttonholes, and remove the cap.
- 2. Turn the adjusting screw in the direction of (C) in case of (A) (right stitches are rough), or in the direction of (D) in case of (B) (left stitches are rough).
- 3. Mount the cap.

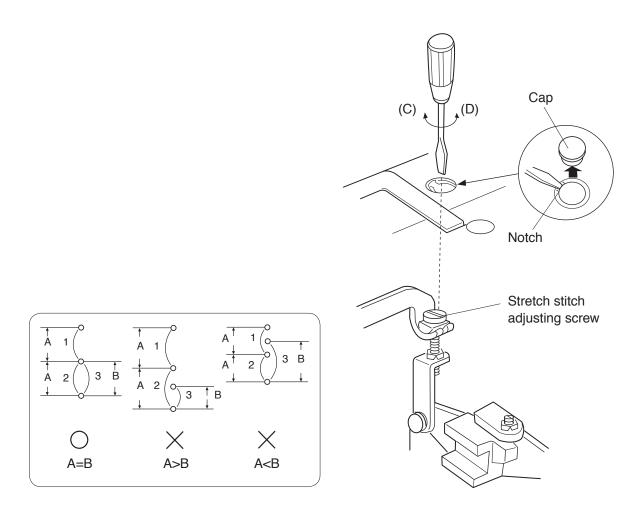


FEED BALANCE ON STRETCH STITCH

To check:

If the stretch stitch patterns are distorted with setting the stitch length dial at "S.S.". (In case of being a difference between forward feeding and backward feeding during stretch stitch pattern sewing), make an adjustment as follows:

- 1. Remove the cap.
- Set the pattern selector dial at " " , and the stitch length dial at "S.S.".
 Turn the stretch stitch adjusting screw in the direction of (C) when A > B, or in the direction of (D) when A < B.
- 4. Attach the cap.

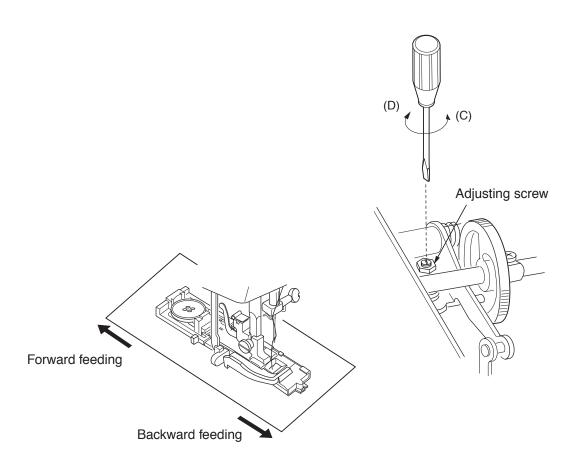


BARTACK FEED OF BUTTONHOLE

To check:

If the material is fed forward or backward when sewing bartack on buttonhole, make an adjustment as follows:

- 1. Set the pattern selector dial at " \prod ".
- 2. Set the stitch length dial at "4".
- 3. Remove the front cover (see page 5).
- Place a piece of paper under the foot and turn the handwheel.
 If the paper is fed forward, turn the adjusting screw in the direction of (C).
 If the paper is fed backward, turn the adjusting screw in the direction of (D).
- 5. Attach the front cover.



DISENGAGEMENT OF CAM FOLLOWER

To check:

If the clearance between the cam follower and the top convex of the zigzag cam is not enough, the pattern selector dial is blocked or will not select the correct pattern.

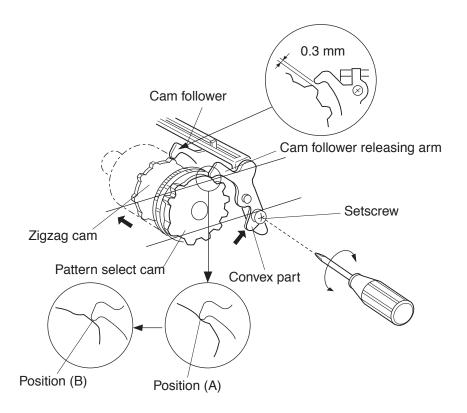
Adjustment procedure:

- 1. Remove the front cover (See page 6).
- 2. Set the pattern selector dial at pattern " \downarrow _ ".
- 3. Put the cam follower to the zigzag cam and put the cam follower releasing arm to the pattern selector cam.
- 4. Loosen the setscrew.
- 5. Push the convex part of the cam follower releasing arm in the direction of arrow until the cam follower releasing arm touches position (A) of the pattern select cam, and then, tighten the setscrew.

NOTE: After this adjustment, check that the clearance between the zigzag cam and the cam follower is about 0.3mm when setting the cam follower releasing arm onto position (B) of pattern selector cam.

6. Mount the front cover.

NOTE: Check the needle movement for straight stitch.



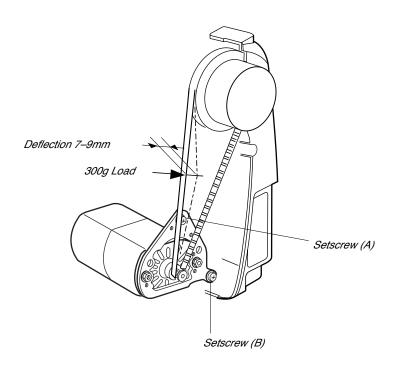
MOTOR BELT TENSION

TO CHECK:

- 1. If the motor belt tension is too tight or too loose, it can cause a belt noise: if the tension is too tight, it can cause the machine to run slowly and the motor to overload; it can cause the belt teeth on the motor pulley to jump.
- 2. The correct motor belt tension is when the deflection of motor belt is about 7 mm (0.28") 9 mm (0.36"). (When pushing the motor belt by finger with a 300 gram load.)

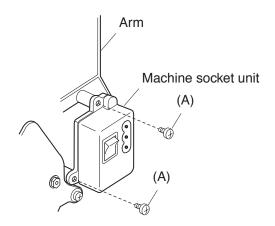
ADJUSTMENT PROCEDURE:

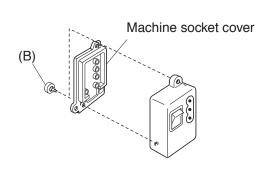
- 1. Remove the front cover. (See page 9)
- 2. Loosen the screws (A) and (B).
- 3. Move the motor up or down to adjust the deflection about 7 mm (0.28") 9 mm (0.36").
- 4. Tighten the screws (A) and (B).

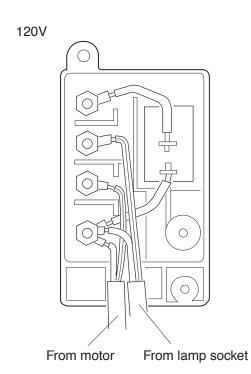


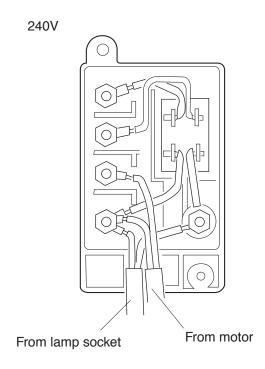
WIRING

- 1. Remove the belt cover. (See page 4.)
- 2. Remove the screws (A), (B) and machine socket cover.
- 3. Follow the above procedure in reverse.

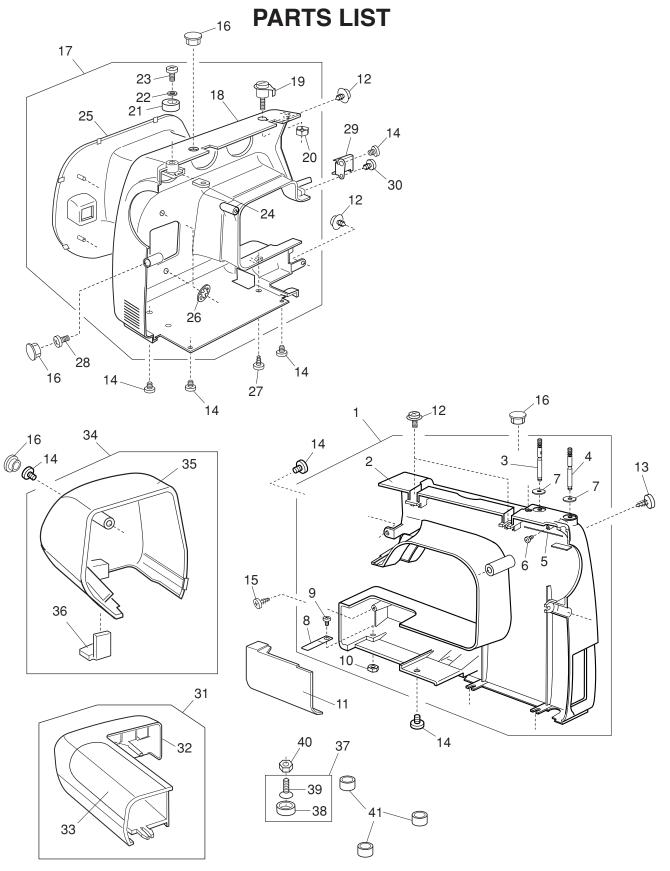




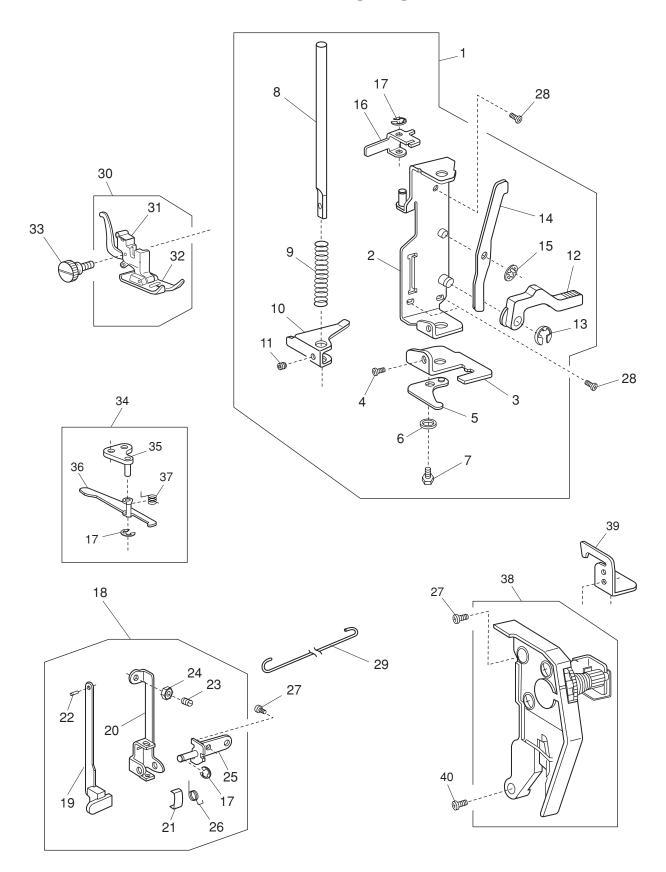




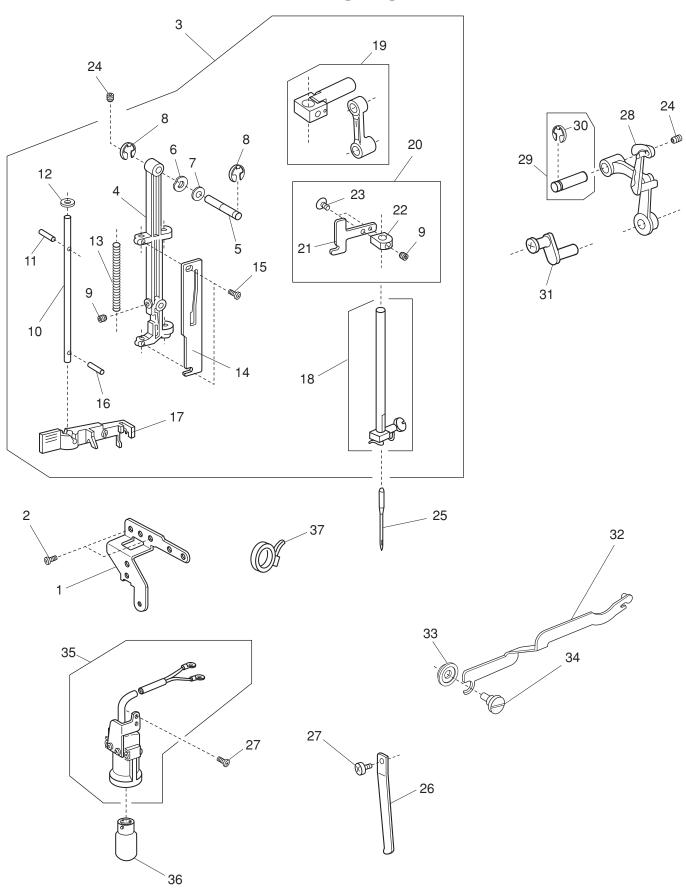




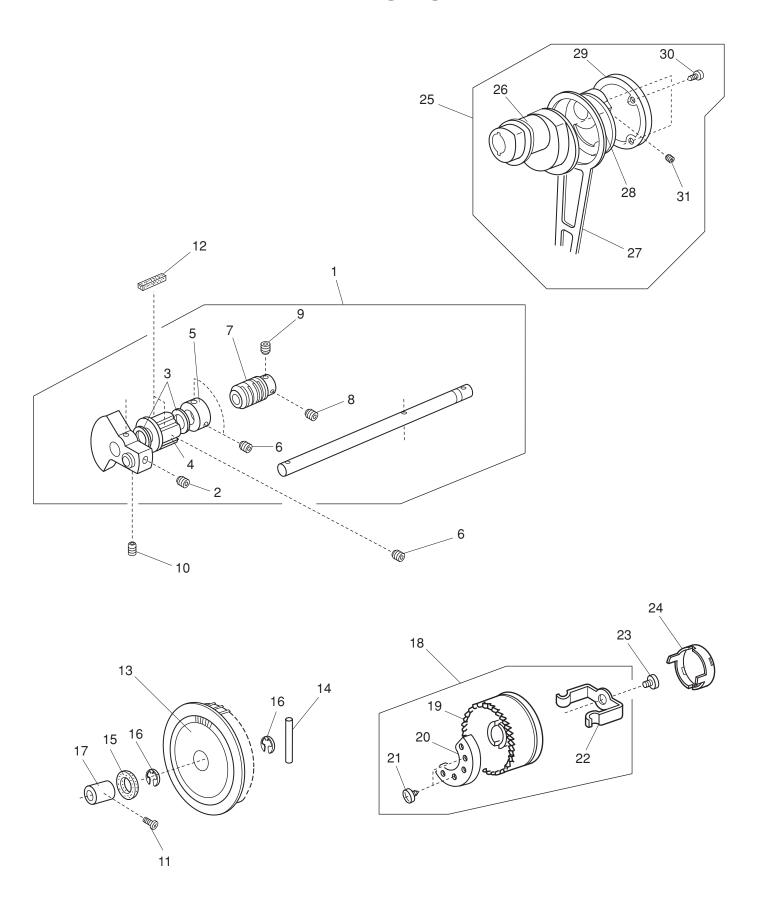
KEY	PARTS	
NO.	NO.	DESCRIPTION
1	302601002	Rear cover (unit)
2	302001109	Rear cover
3	652302004	Spool pin
4	652205006	Spool pin
5	736007009	Spool pin spring
6	000076317	Setscrew 3x10
7	735013005	Spool pin spring base
8	730006000	Spring
9	000101404	Setscrew 4x6
10	000061205	Nut 4-3-7
11	739004005	Bed cover plate
12	000115205	Setscrew TP 4x6
13	000119601	Setscrew 4x25 (B)
14	000081005	Setscrew 4x8
15	000121905	Setscrew 4x12 (B)
16	653006101	Cap
17	302606498	Front cover (unit)
18	302010A01	Front cover
19	730501011	Thread guide plate (unit)
20	000160102	Adjustable lock nut 4
21	735016307	Bobbin winder stopper
22	000071013	Washer
23	000103107	Setscrew 4x14
24	843014004	Nut
25	302011A01	Panel
26	000014007	Snap ring CS-4
27	000115607	Setscrew TP 4x8
28	000101703	Setscrew 4x12
29	740022003	Thread guide plate
30	000107307	Setscrew 3x8 (B)
31	302502002	Extension table (unit)
32	302002007	Extension table
33	302003008	Extension table cover
34	302603060	Face cover (unit)
35	302004A01	Face cover
36	840602006	Thread cutter (unit)
37	735616200	Rubber base (unit)
38	735002001	Rubber base
39	000097901	Flat screw M5x18
40	000061319	Nut 5-1-8
41	739064003	Bed rubber base



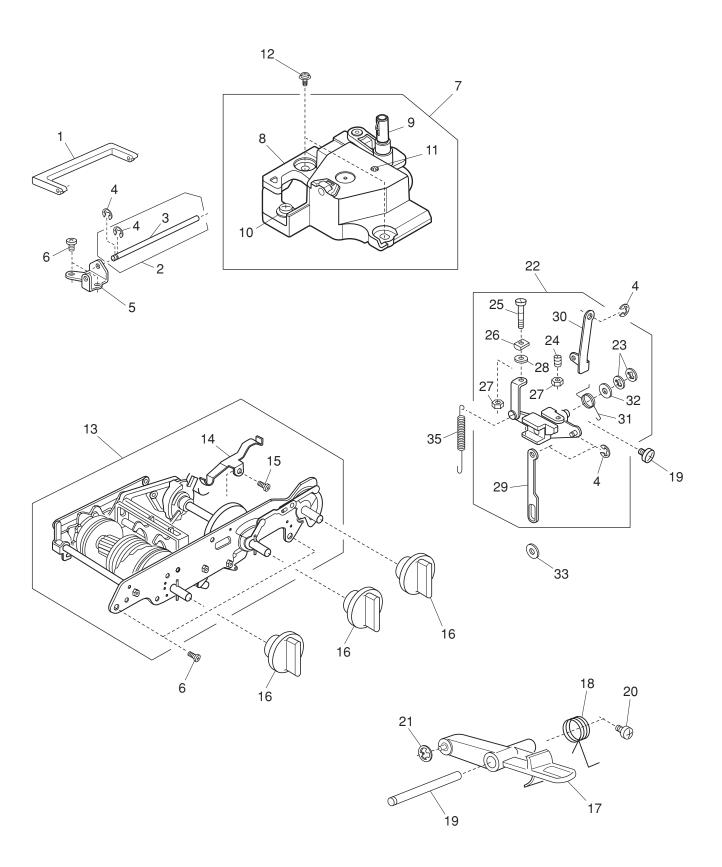
KEY	PARTS		
NO.	NO.	DESCRIPTION	
1	308611106	Presser bar base plate (unit)	
2	308060001	Presser bar base plate (unit) Presser bar base plate	
3	735222009	Needle drop adjusting plate	
4	000101404	Setscrew 4x6	
5	735025000	Needle bar supporter stopper	
6	000070506	Washer	
7	000138307	Bolt 4x8	
8	303017101	Presser bar	
9	735027002	Presser bar spring	
10	735028003	Presser bar bracket	
11	000111500	Hexagonal socket screw 4x8	
12	735029004	Presser foot lifter	
13	000001609	Snap ring E-5	
14	735030008	Tension release lever	
15	000013903	Snap ring CS-5	
16	740051001	BH regulating lever	
17	000002105	Snap ring E-3	
18	740617001	BH lever (unit)	
19	753629109	BH ring (unit)	
20	740047004	BH ring supporter	
21	753027008	Friction spring	
22	000023009	Spring pin	
23	000113306	Socket screw 4x10	
24	000160102	Adjustable lock nut 4	
25	740048005	BH ring base plate	
26	740049006	BH ring spring	
27	000103808	Setscrew 3x5	
28	000081005	Setscrew 4x8	
29	740052002	BH shifting rod	
30	301612003	Presser foot (unit)	
31	611510000	Presser foot holder (unit)	
32	301505002	Zigzag foot (unit)	
33	660106001	Thumb screw	
34	741604008	Tension release arm (unit)	
35	739017001	Tension release arm base	
36	741008006	Tension release arm	
37	739019003	Tension release spring	
38	302501023	Thread tension (unit)	
39	739016000	Top cover thread guide	
40	000010703	Setscrew 4x12	



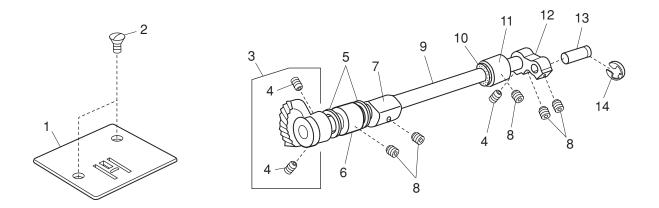
KEY	PARTS	
NO.	NO.	DESCRIPTION
	7.000==::	
1	740007013	Face cover set plate
2	000081005	Setscrew 4x8
3	301611105	Needle bar supporter (unit)
4	301032106	Needle bar supporter
5	730022002	Needle bar supporter pin
6	673022002	Washer
7	000070609	Washer
8	000002507	Snap ring E-4
9	000111902	Hexagonal socket screw 3x4
10	301034005	Needle threader shaft
11	000122906	Pin
12	734107004	Washer
13	734094007	Needle threader spring
14	735196003	Needle threader plate
15	000101105	Setscrew 3x4
16	000003508	Pin
17	639643009	Needle threader plate (unit)
18	730503116	Needle bar (unit)
19	680504005	Needle bar connecting stud (unit)
20	735628009	Needle threader set plate (unit)
21	735197004	Needle threader set plate
22	734102009	Needle threader base
23	000097602	Flat screw 2x4
24	000111304	Hexagonal socket screw 5x5
25	102408089	Needle
26	730024004	Needle bar supporter spring
27	000101404	Setscrew 4x6
28	625506109	Thread take-up lever (unit)
29	731511006	Thread take-up lever pin (unit)
30	000002806	Snap ring E-6
31	735504008	Needle bar crank pin (unit)
32	302022003	Zigzag rod
33	748021006	Zigzag rod plain washer
34	678084007	Eccentric pin
35	743634003	Lamp socket (unit)
36	000009009	Lamp 240V 15W
37	000053709	Cord binder

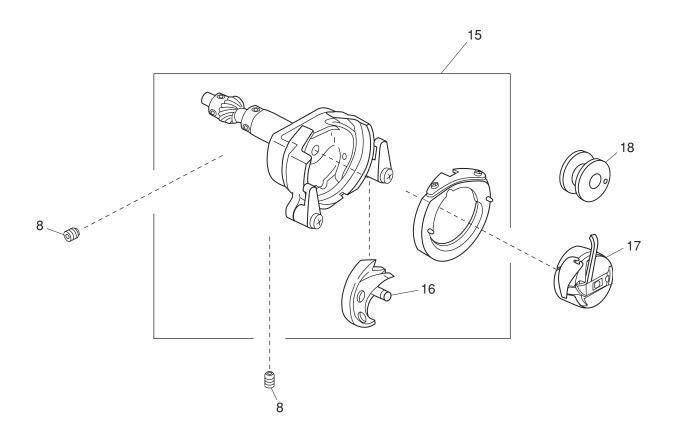


KEY	PARTS	
NO.	NO.	DESCRIPTION
1	304607004	Upper shaft (unit)
2	102073003	Setscrew
3	000036717	Thrust washer
4	732025001	Upper shaft front bushing
5	639095000	Ring
6	000111304	Hexagon socket screw 5x5
7	749011109	Worm
8	000111201	Hexagonal socket screw 4x4
9	000112501	Hexagonal socket screw 4x4
10	761052007	Setscrew
11	000172602	Setscrew 5x8
12	731312005	Felt
13	743019006	Belt wheel
14	000023803	Spring pin
15	743029009	Felt
16	000030205	Snap ring E-8
17	732003003	Upper shaft rear bushing
18	302604108	Handwheel (unit)
19	302007105	Handwheel
20	304050006	Balance weight
21	000121400	Setscrew 3x14 (B)
22	639113016	Clutch spring
23	000081005	Setscrew 4x8
24	650070082	Clutch cap
25	304609006	Crank rod (unit)
26	304042005	Feed cam
27	743011008	Crank rod
28	304044007	Crank cam
29	304043006	Crank cam plate
30	000161309	Setscrew 3x12 (B)
31	000110107	Hexagonal socket screw 5x5

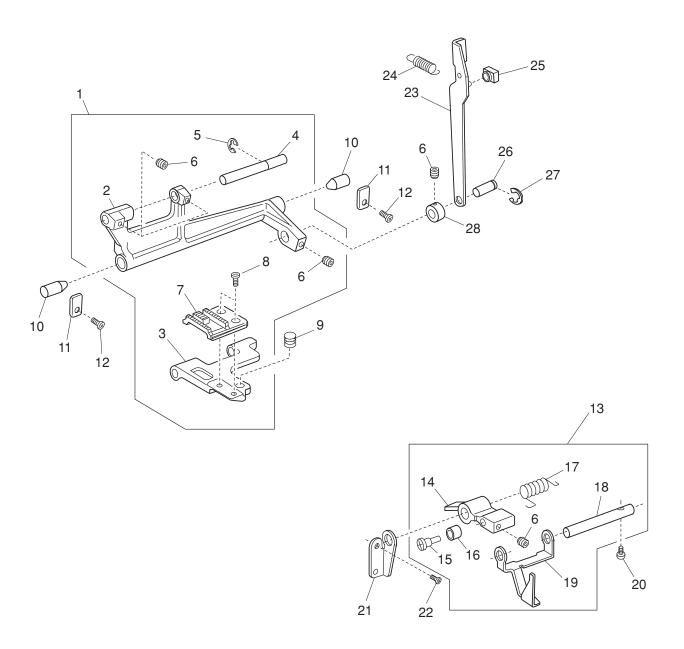


KEY	PARTS	
NO.	NO.	DESCRIPTION
1	302006001	Handle
2	740624001	Handle shaft (unit)
3	740011009	Handle shaft
4	000002105	Snap ring E-3
5	740010008	Handle supporter
6	000081005	Setscrew 4x8
7	311606005	Bobbin winder base plate (unit)
8	311011007	Bobbin winder base plate
9	311503007	Bobbin winder arm (unit)
10	000109103	Setscrew 4x12
11	740042009	Bobbin winder arm spring
12	000115607	Setscrew TP 4x8
13	302607008	Zigzag mechanism (unit)
14	737011009	Index spring
15	000103808	Setscrew 3x5
16	302009004	Dial
17	302008003	R button
18	739063002	R button spring
19	736015000	R button shaft
20	000101301	Setscrew 5x10
21	000014007	Snap ring CS-4
22	736604105	Feed regulator (unit)
23	000013800	Snap ring CS-6
24	648010009	Setscrew
25	735074004	SS adjusting screw
26	735076006	SS rod block
27	000160102	Adjustable lock nut 4
28	000071013	Washer
29	745052007	Reverse link
30	739020007	Feed regulating rod
31	735077007	Feed regulating body spring
32	735073003	Plain washer
33	000070609	Washer 6
34	000172602	Setscrew 5x8
35	740125001	Feed regulator spring

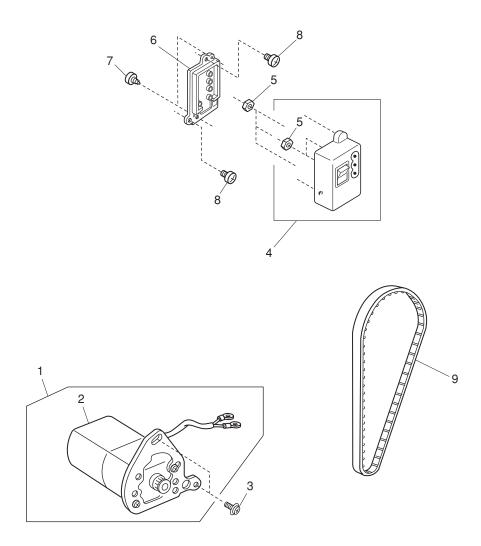




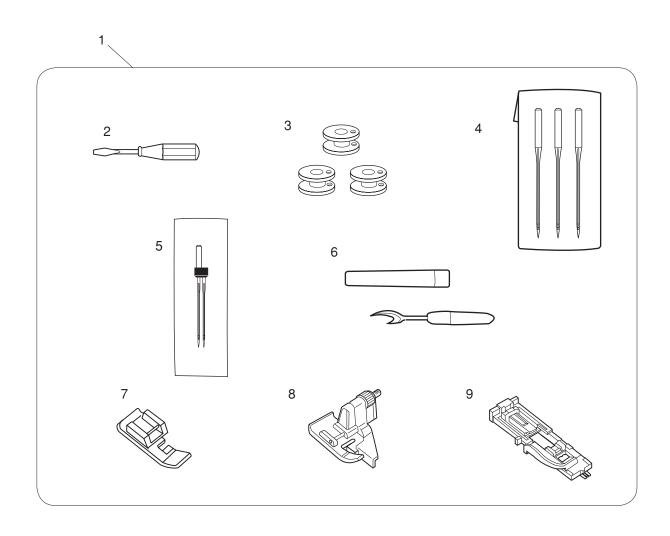
KEY	PARTS	
NO.	NO.	DESCRIPTION
	744004004	Nicosilio alata
1	744004001	Needle plate
2	681009101	Setscrew
3	735950003	Lower shaft gear (unit)
4	000110107	Hexagonal socket screw 5x5 (WP)
5	000036201	Washer 8-0.5
6	735233003	Bushing
7	735061101	Feed lifting cam
8	000111304	Hexagonal socket screw 5x5
9	735236006	Lower shaft
10	822070003	Felt
11	735234004	Bushing
12	639036003	Lower shaft crank arm
13	639037004	Pin
14	000001609	Snap ring E-5
15	735610101	Shuttle race body (unit)
16	532096007	Shuttle hook
17	647515006	Bobbin case (unit)
18	102261000	Bobbin
17	647515006	Bobbin case (unit)

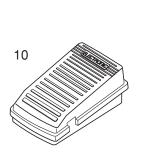


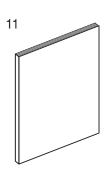
KE	Y	PARTS	
NC).	NO.	DESCRIPTION
	1	735612000	Feed rock shaft (unit)
	2	735078008	Feed rock shaft
	3	735079009	Feed bar
	4	735080003	Feed bar shaft
	5	000002507	Snap ring E-4
	6	000111201	Hexagonal socket screw 4x4
	7	735081004	Feed dog
	8	735082005	Setscrew
	9	735083006	Feed bar spring
	10	735084007	Feed rock shaft center
	11	735085008	Feed rock shaft center plate
	12	000101404	Setscrew 4x6
	13	301609007	Feed lifting arm (unit)
	14	301027005	Feed lifting arm
	15	735087000	Feed lifting pin
	16	735088001	Feed lifting roller
	17	730061003	Feed lifting spring
	18	735090006	Feed lifting shaft
	19	740013001	Drop feed selecting plate
	20	000101703	Setscrew 4x12
	21	739022009	Feed lifting shaft holder
	22	000081119	Setscrew 4x6
	23	743012009	Feed rod
	24	743013000	Feed rod spring
	25	102141003	Feed regulator slide block
	26	735071104	Feed rock shaft connecting pin
	27	000002806	Snap ring E-6
	28	735276008	Ring

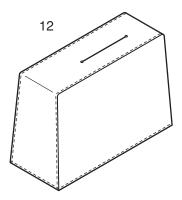


KEY	PARTS		
 NO.	NO.	DESCRIPTION	
1	743671002	Motor (unit)	
2	025501003	Motor	
3	000201209	Setscrew TP 5x12	
4	739503308	Machine socket (unit)	
5	000060802	Nut 3-1-5.5	
6	739037007	Machine socket cover	
7	000107802	Setscrew 3x10 (B)	
8	000103509	Setscrew 4x10	
9	650166019	Motor timing belt	









KEY	PARTS	
NO.	NO.	DESCRIPTION
4	200070004	A acceptation (vinit)
ı	302870004	Accessories (unit)
2	647803004	Screwdriver (small)
3	102261000	Bobbin
4	639804000	Needle set (unit)
5	302802005	Twin needle (unit)
6	647808009	Seam ripper
7	611406002	Zipper foot (unit)
8	611411000	Blind foot (unit)
9	740801004	BH foot (unit)
10	045501005	Foot controller
11	302800564	Instruction book
12	741811000	Cover