SERVICE MANUAL & PARTS LIST

MODEL: AH700

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TROUBLESHOOTING

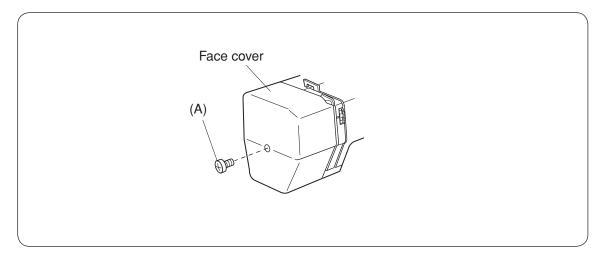
PROBLEM	CAUSE	REMEDY	REFERENCE
Skipping stitches	Needle is not inserted properly.	Insert the needle properly.	
	2. Needle is bent or worn.	Change the needle.	
	3. Incorrectly threaded	Rethread.	
	Needle or thread are inappropriate for fabric being sewn.	Use the recommended sewing needle and thread.	
	5. Sewing on stretch fabric	Use A #11 blue tip needle.	
	Inappropriate needle bar height	See mechanical adjustment "Needle bar height."	P. 16
	7. Inappropriate needle to hook timing	See mechanical adjustment "Needle timing to shuttle."	P. 17
	8. Inappropriate needle to hook clearance	See mechanical adjustment "Clearance between needle and hook."	P. 13, 14
Fabric not moving	Incorrect feed dog height	See mechanical adjustment "Feed dog height."	P. 15
	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. 8
	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.	
4. 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. 9
5. Needle breaks	Needle is hitting the needle plate.	See mechanical adjustment "Needle drop ."	P. 12
	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. 13, 14
	The fabric moves while the needle is piercing it, or the needle zigzags while in fabric.	See mechanical adjustment "Needle swing."	P. 11
	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. 14
	2. Lower shaft gear is loose.	Eliminate the looseness.	
	3. Inappropriate belt tension.	See mechanical adjustment "Motor belt tension."	P. 22
	4. Upper shaft gear is loose.	Eliminate the looseness.	
	5. Not enough oil.	Oil all moving parts.	
7. Deformation of pattern	Inappropriate zigzag synchronization.	See mechanical adjustment "Needle swing."	P. 11
	Inappropriate disengagement of cam follower.	See mechanical adjustment "disengagement of cam follower."	P. 21
	Upper thread tension is too strong.	Adjust upper thread tension correctly.	P. 8
	Inappropriate feed balance BALANCE	See mechanical adjustment "Feed balance on stretch stitch."	P. 19

SERVICE ACCESS (1)

FACE COVER



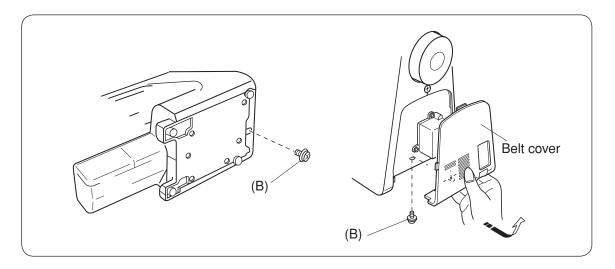
(To remove)

1. Remove the face cover by removing the setscrew (A).

(To attach)

2. Mount the face cover in reverse procedure of the removing.

BELT COVER



(To remove)

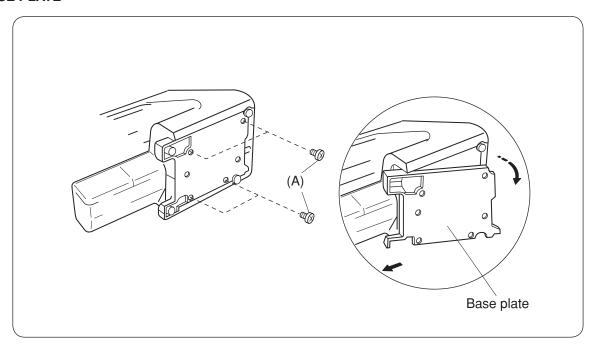
- 1. Loosen setscrew (B).
- 2. Take the belt cover out.

(To attach)

3. Mount the belt cover in reverse procedure of the removing.

SERVICE ACCESS (2)

BASE PLATE



(To remove)

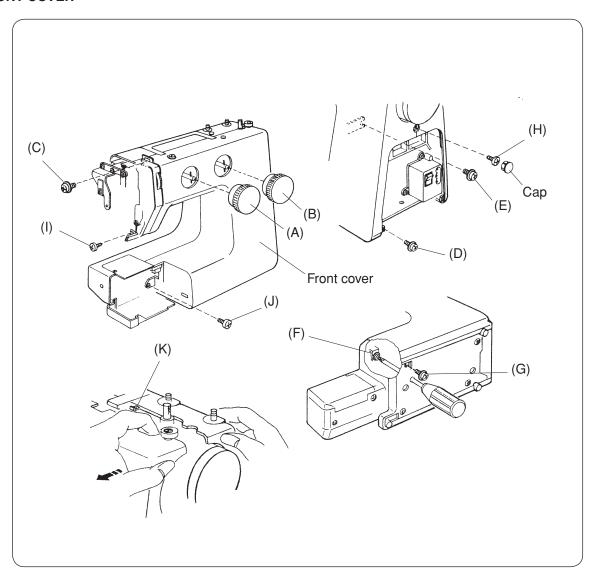
- 1. Loosen the setscrews (A).
- 2. Remove the base plate.

(To attach)

3. Mount the base plate in reverse procedure of the removing.

SERVICE ACCESS (3)

FRONT COVER



(To remove)

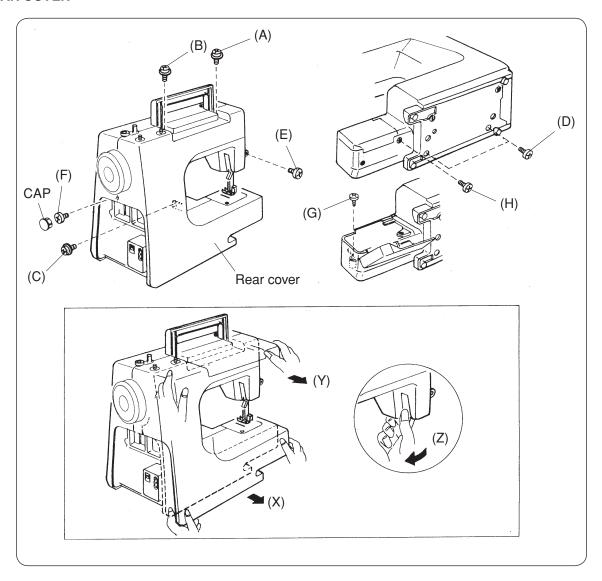
- 1. Remove the face cover, and remove the belt cover (See page 4).
- 2. Remove dials (A) and (B).
- 3. Loosen setscrews (C), (D), (E), (F), and (G) and then, remove the front cover by removing setscrews (H), (I), and (J).
 - NOTE: Unhook the tab (K) from the rear cover when removing the front cover.

(To attach)

4. Mount the front cover in reverse procedure of the removing.

SERVICE ACCESS (4)

REAR COVER



(To remove)

- Remove the face cover and belt cover (See page 4).
 NOTE: Pull up the spool pins.
- 2. Loosen setscrews (A), (B), (C) and (D) (2 pcs.), and then, remove the rear cover by removing setscrews (E), (F), (G) and (H).
 - NOTE: Remove the rear cover in the order of (X) (lower part) \rightarrow (Y) (upper part) \rightarrow (Z) (presser foot lifter part).

(To attach)

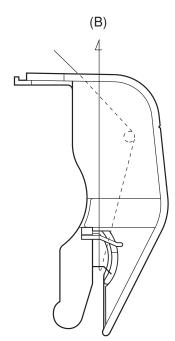
3. Mount the rear cover in reverse procedure of the removing.

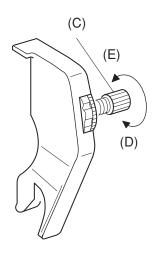
TOP TENSION

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.





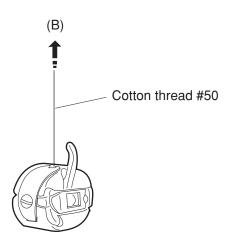
BOBBIN TENSION

To check:

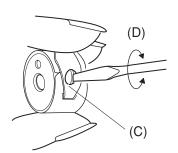
Set the bobbin in the bobbin case and pass the thread (cotton #50) through the tension spring. The bobbin thread tension should be 45–55g when pulling the thread in the direction of (B). If the tension is out of the range, adjust it as follows:

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

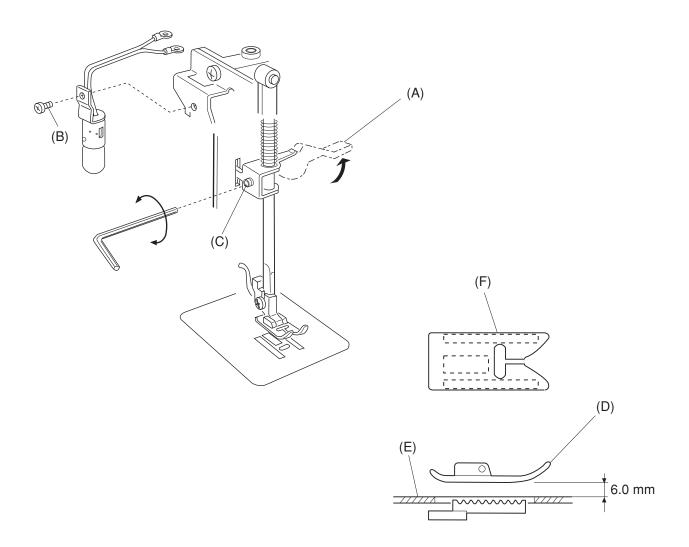
To check:

- 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

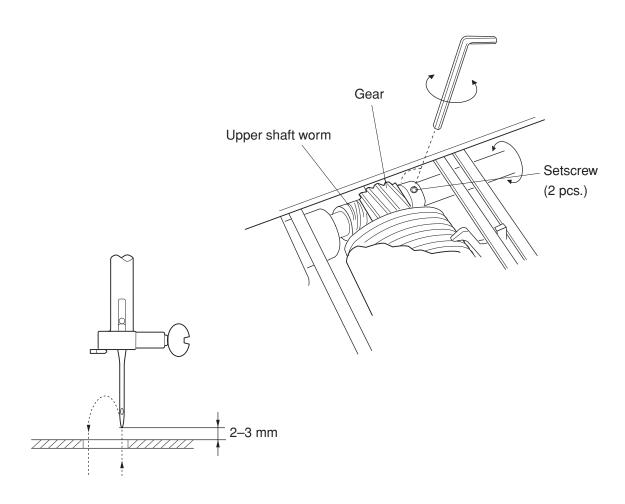
To check:

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:

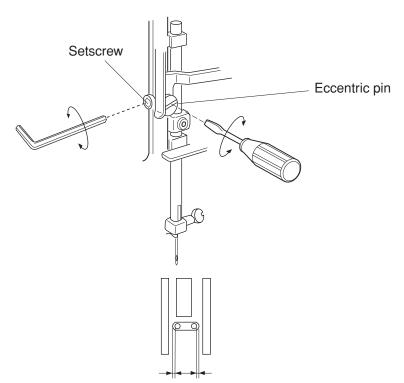
When the needle swings in maximum zigzag width, the distance between both ends of the needle hole on the needle plate and the needle drop positions should be equal.

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:

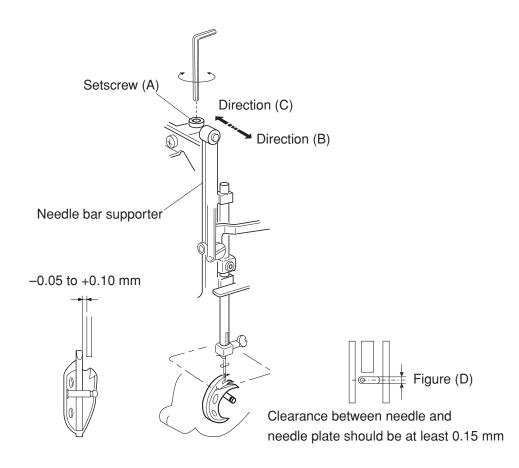
The clearance between the needle and shuttle race should be -0.05 to +0.10 mm. If not, adjust as follows:

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.

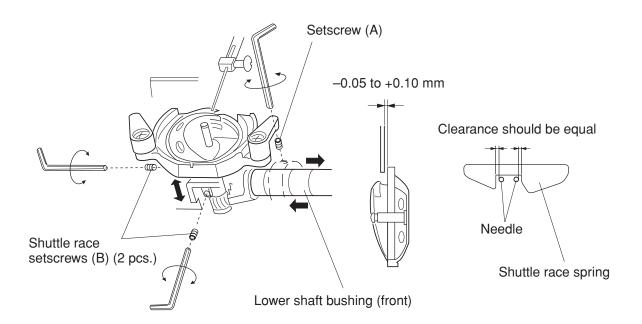
The clearance between the needle and shuttle race should be -0.05 to +0.10 mm.

Adjustment procedure:

- 1. Set the pattern selector dial at " (____ ".
- 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 " \geq ", 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

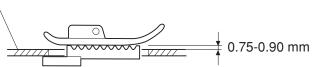
To check:

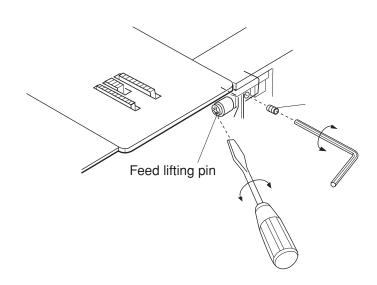
- 1. Lower the presser foot.
- Turn the handwheel toward you to bring the feed dog to its highest position. The height of the feed dog from the needle plate should be 0.75-0.90mm.
 If it is not in the range, adjust as follows.

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

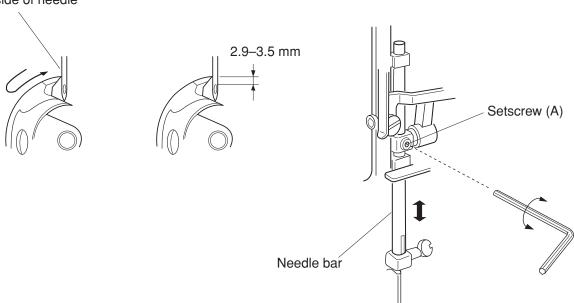
To check:

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 " \subset ".
- 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



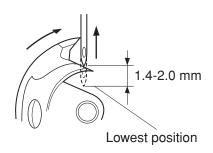
NEEDLE TIMING TO SHUTTLE

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.



Lower shaft crank arm

Setscrews (A) (2 pcs.)

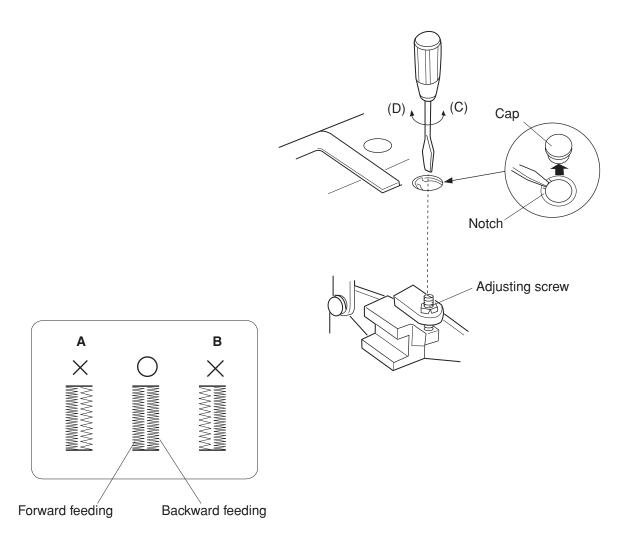
Lower shaft

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.

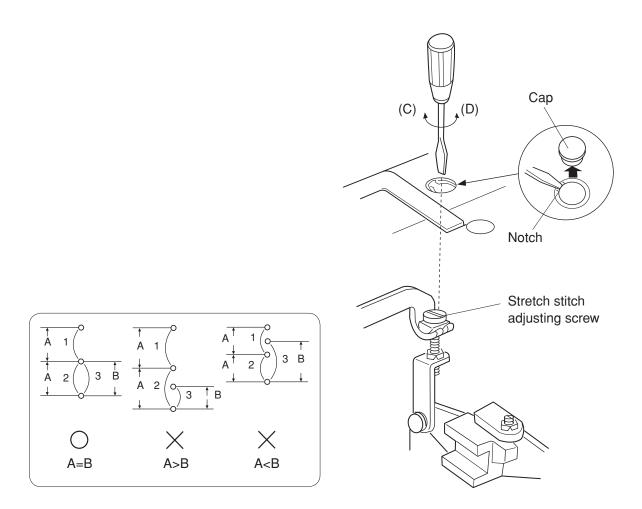


FEED BALANCE ON STRETCH STITCH

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.
- 2. Set the pattern selector dial at " , and the stitch length dial at "S.S.".
- 3. 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.

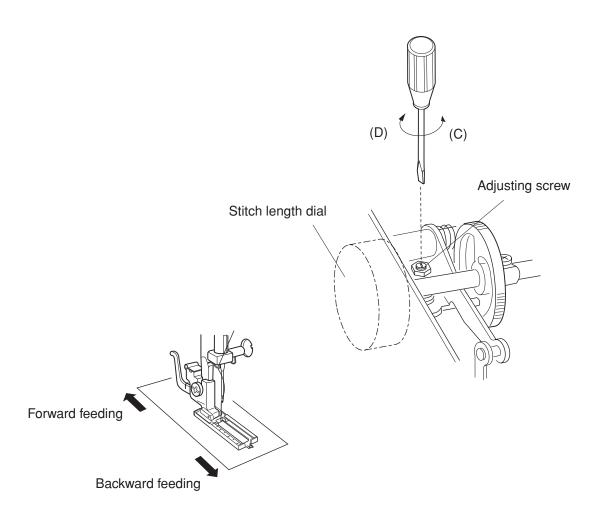


BARTACK FEED OF BUTTONHOLE

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 ", \(\bigcup_{\pi}^4\)", and the stitch length dial at "4".
- 2. Remove the front cover (See page 6).
- 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).
- 4. 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.

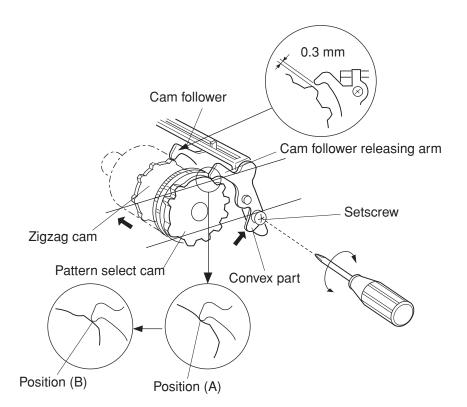
Adjustment procedure:

- 1. Remove the front cover (See page 6).
- 2. Set the pattern selector dial at pattern " \subset ".
- 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.

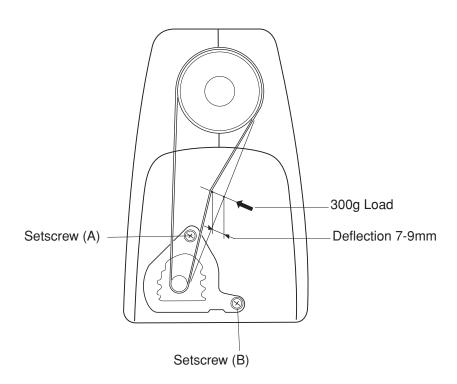


MOTOR BELT TENSION

To check:

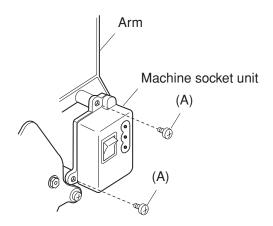
- 1. Improper belt tension may cause noise, overload of motor, slow running or motor belt jumping.
- 2. The belt deflection should be 7mm 9mm when pressing the middle of the motor belt with approximately 300 grams of pressure.

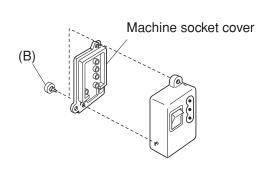
- 1. Remove the belt cover (See page 4).
- 2. Loosen the setscrews (A) and (B).
- 3. Move the motor up or down to adjust the deflection about 7mm 9mm.
- 4. Tighten the setscrews (A) and (B).
- 5. Attach the belt cover.

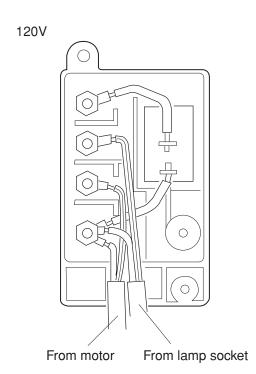


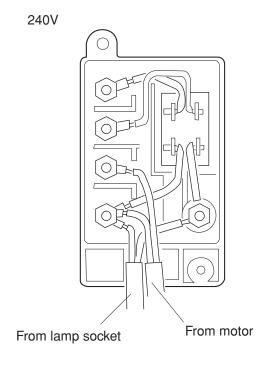
WIRING

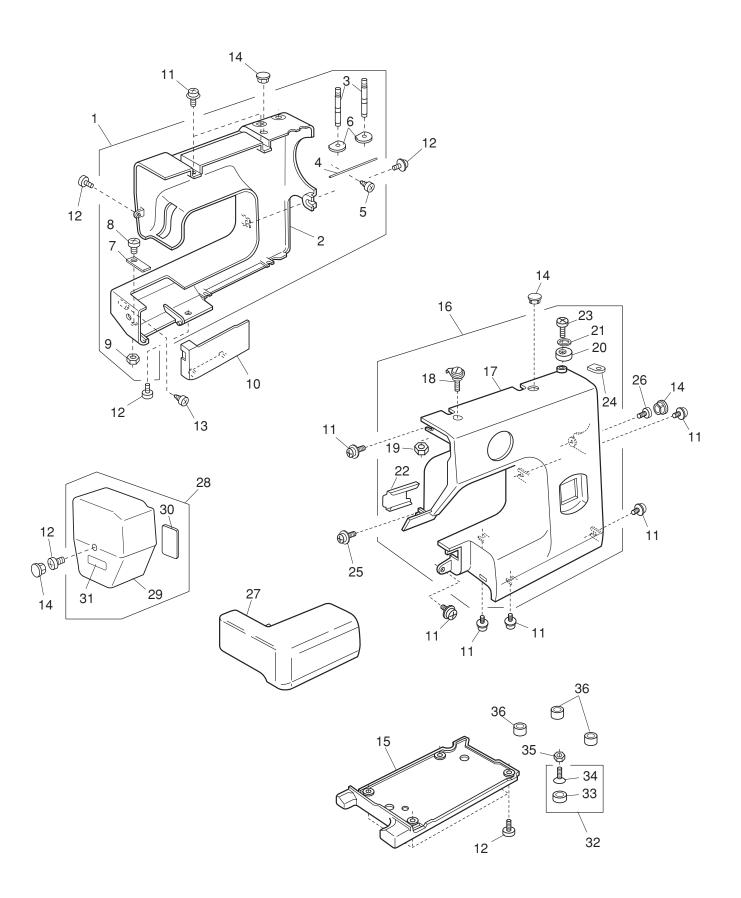
- 1. Remove the belt cover. (See page 4.)
- 2. Remove the screws (A), (B) and machine socket cover.
- 3. Follow the above procedure in reverse.



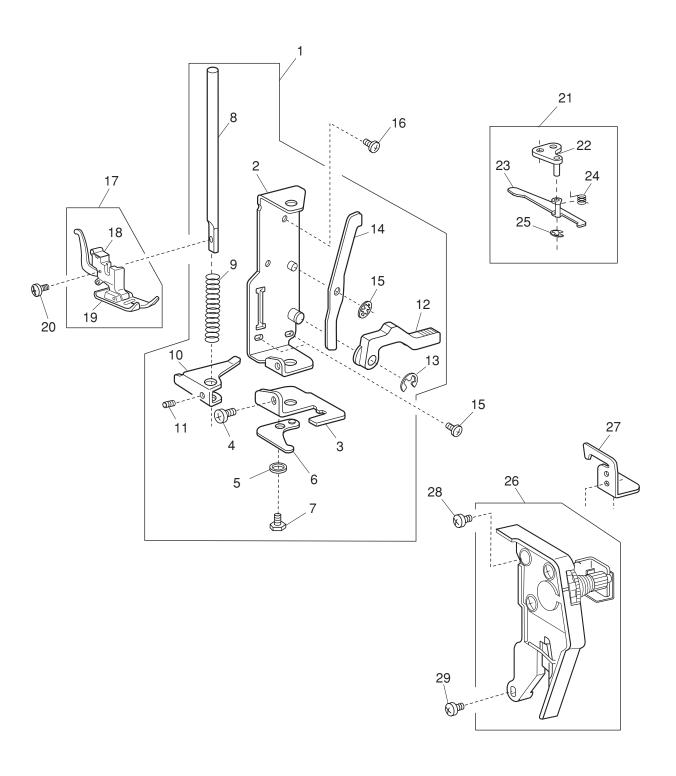




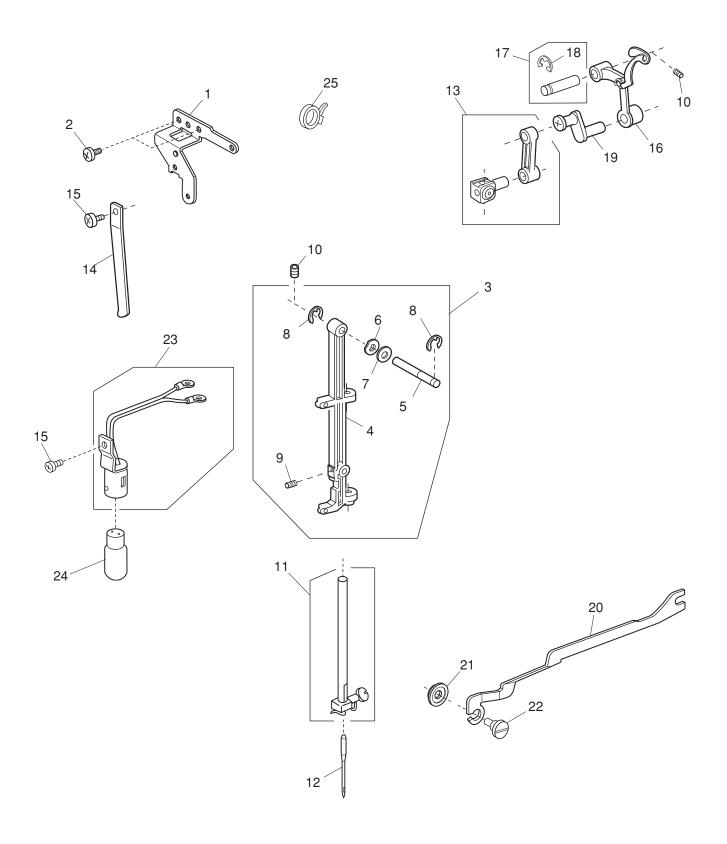




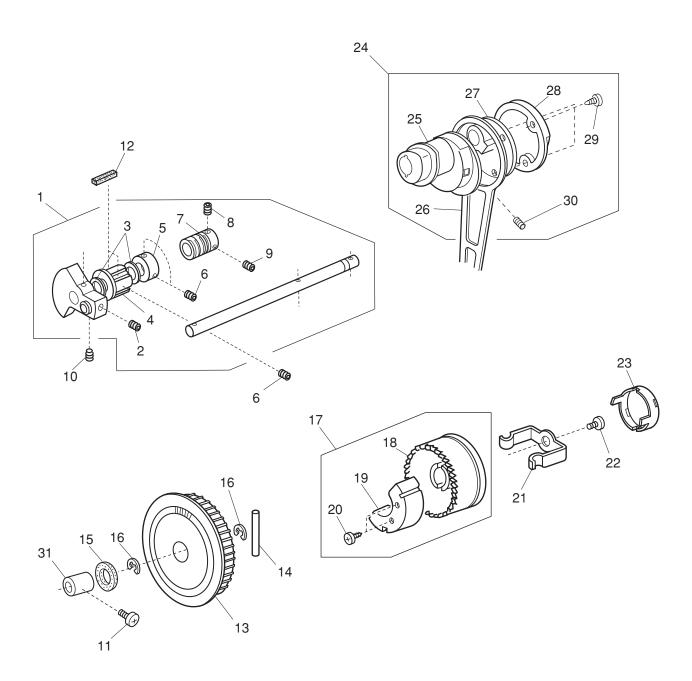
KEY		
NO.	NO.	DESCRIPTION
	7.00.170.0	
1		Rear cover (unit)
2		Rear cover
3		Spool pins
4		Spool pin spring
5		Tapping screw 3x10
6		Spool pin spring base
7		Spring
8		Setscrew 4x6
9		Nut
10		Bed cover
11	000115205	TP screw 4x6
12	000081005	Setscrew 4x8
13	000121905	Tapping screw 4x12 B
14	653006101	Cap
15	739005006	Base plate
16	743621373	Front cover (unit)
17	743056784	Front cover
18	730501011	Thread guide plate (unit)
19	000160102	Adjustable lock nut 4
20	735016307	Bobbin winder stopper
21	000071013	Washer
22	735123009	Thread guard plate
23	000103107	Setscrew 4x14
24	744014004	Nut
25	000115607	TP screw 4x8
26	000103509	Setscrew 4x10
27	743004008	Extension table
28	743636245	Face cover (unit)
29	743198251	Face cover
30	724025006	Reflex sticker
31	100517008	Caution sticker
32	735616200	Rubber base (unit)
33		Rubber base
34		Flat screw 5x18
35		Nut
36		Bed rubber base



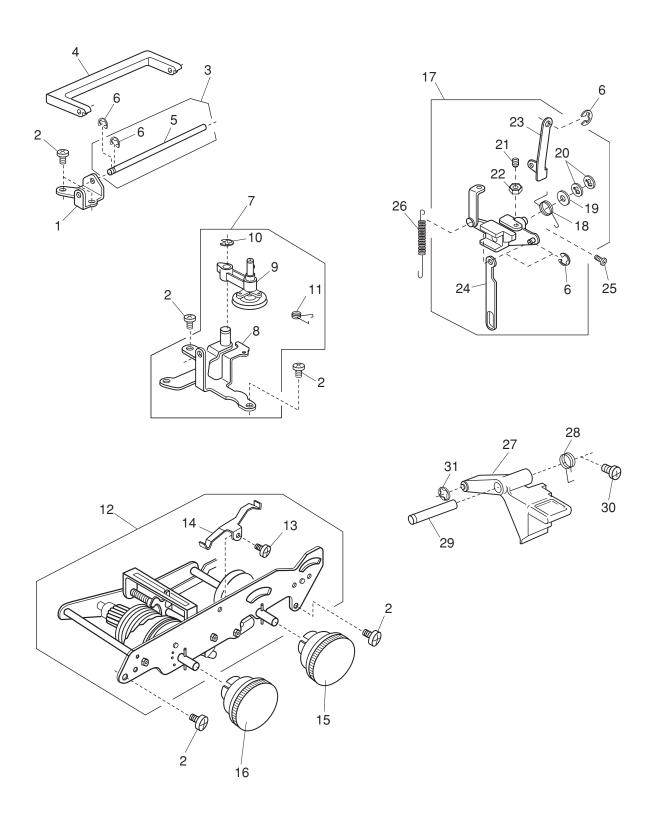
KEY	PARTS	
 NO.	NO.	DESCRIPTION
1	305604004	Presser bar base plate (unit)
2	735221008	Presser bar base plate
3	735222009	Needle drop adjusting plate
4	000101404	Setscrew 4x6
5	000070506	Washer
6	735025000	Needle bar supporter stopper
7	000138307	Bolt 4x8
8	735026001	Presser bar
9	735027002	Presser bar 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	000081005	Setscrew 4x8
17	301612003	Presser foot (unit)
18	611510000	Presser foot holder (unit)
19	301505002	Zigzag foot (unit)
20	660106001	Thumb screw
21	739605002	Tension release arm (unit)
22	739017001	Tension release arm base
23	739018002	Tension release arm
24	739019003	Tension release spring
25	000002105	Snap ring E-3
26	743503002	Tension assembly (unit)
27	739016000	Top cover thread guide
28	000103808	Setscrew 3x5
29	000101703	Setscrew 4x12



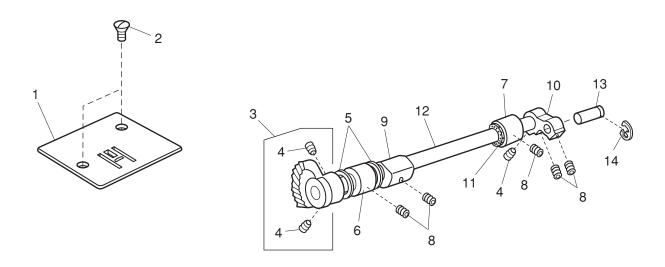
 VEV	DADTO	
KEY	PARTS	DECORIDATION
NO.	NO.	DESCRIPTION
1	740007013	Face plate set plate
2	000081005	Setscrew 4x8
3	301610001	Needle bar supporter (unit)
4	301032003	Needle bar supporter
5	730022002	Needle bar supporter pin
6	673022002	Wave washer
7	000070609	Plain washer
8	000002507	Snap ring E-4
9	000111902	Hexagonal socket screw 3x4
10	000111304	Hexagonal socket screw 5x5
11	730503116	Needle bar (unit)
12	102408089	Needle HA 1-14
13	639516002	Needle bar connecting stud (unit)
14	730024004	Needle bar supporter spring
15	000101404	Setscrew 4x6
16	625506109	Thread take-up lever (unit)
17	731511006	Thread take-up pin (unit)
18	000002806	Snap ring E-6
19	743664105	Needle bar crank pin (unit)
20	735119002	Zigzag rod
21	748021006	Washer
22	678084007	Eccentric pin
23	647510207	Lamp socket (unit)
24	000009803	Lamp 120V, 15W
25	000053709	Cord tie band

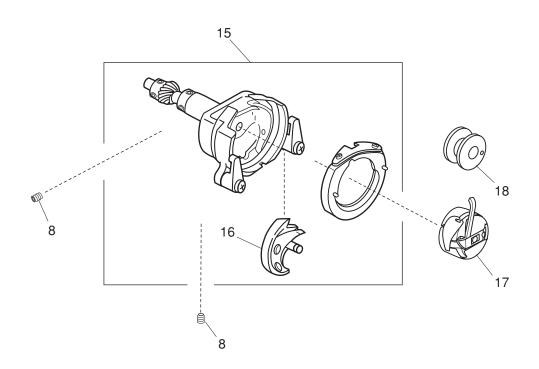


KEY	PARTS	
 NO.	NO.	DESCRIPTION
1	304607200	Upper shaft (unit)
2	102073003	Setscrew
3	000036717	Thrust washer
4	732025001	Upper shaft front bushing
5	639095000	Ring
6	000111304	Hexagonal socket screw 5x5
7	751146101	Worm
8	000111201	Hexagonal socket screw 4x4
9	000112501	Hexagonal socket screw 4x4
10	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	743630009	Handwheel (unit)
18	639097024	Handwheel
19	743030003	Balance weight
20	000121400	Tapping screw 3x14 (B)
21	639113016	Clutch spring
22	000081005	Setscrew 4x8
23	650070509	Clutch cap
24	304609006	Crank rod (unit)
25	304042005	Feed cam
26	743011008	Crank rod
27	304044007	Crank cam
28	304043006	Crank cam plate
29	000161309	Tapping screw 3x12 (B)
30	000110107	Hexagonal socket screw 5x5
31	732003003	Upper shaft rear bushing

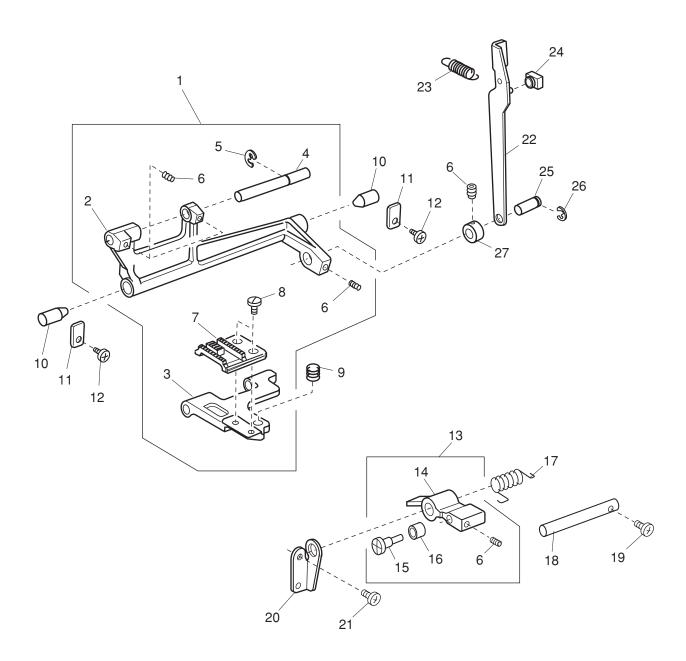


KEY	PARTS	
 NO.	NO.	DESCRIPTION
1	740010008	Handle supporter
2	000081005	Setscrew 4x8
3	740624001	Carrying handle set pin (unit)
4	735017308	Handle
5	740011009	Handle shaft
6	000002105	Snap ring E-3
7	740602209	Bobbin winder supporter (unit)
8	740003101	Bobbin winder base plate
9	735501005	Bobbin winder arm (unit)
10	000002806	Snap ring E-6
11	740042009	Bobbin winder arm spring
12	743661009	Zigzag mechanism (unit)
13	000103808	Setscrew 3x5
14	737011009	Index spring
15	743189662	Dial
16	743189651	Dial
17	304611104	Feed regulator (unit)
18	735077007	Feed regulating body spring
19	735073003	Plain washer
20	000013800	Snap ring CS-6
21	648010009	Setscrew
22	000160102	Adjustable lock nut 4
23	739020007	Feed regulating rod
24	730045001	Reverse link
25	000172602	Setscrew 5x8
26	670100006	Feed regulator spring
27	742007008	R button
28	739063002	R button spring
29	736015000	R button shaft
30	000101301	Setscrew 5x10
31	000014007	Snap ring CS-4

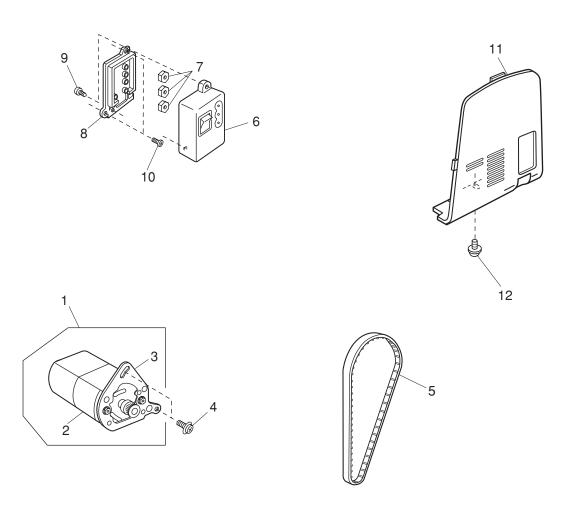




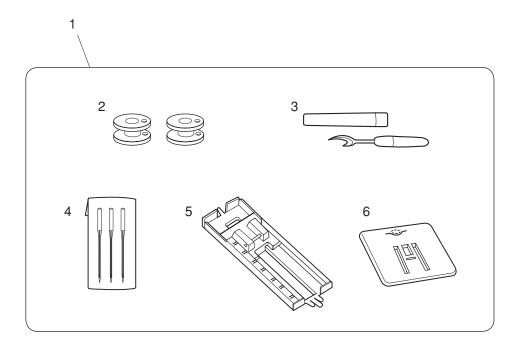
KEY	PARTS	
NO.	NO.	DESCRIPTION
1	744004001	Needle plate
2	681009101	Setscrew
3	735950003	Lower shaft gear (unit)
4	000110107	Hexagonal socket screw 5x5WP
5	000036201	Washer 8-0.5
6	735233003	Bushing
7	735234004	Bushing
8	000111304	Hexagonal socket screw 5x5
9	735061008	Feed lifting cam
10	639036003	Lower shaft crank arm
11	822070003	Felt
12	735236006	Lower shaft
13	639037004	Pin
14	000001609	Snap ring E-5
15	735610101	Shuttle race body (unit)
16	532096007	Shuttle hook
17	532504209	Bobbin case (unit)
18	102261000	Bobbin



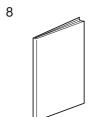
KEY	PARTS	
NO.	NO.	DESCRIPTION
1	735612000	Feed rock shaft (unit)
2	735078008	Feed rock shaft
3	735079009	Feed bar
4	735080003	Feed bar shaft
5	000002507	Snap ring E-4
6	000111201	Hexagonal socket screw 4x4
7	735081004	Feed dog
8	735082005	Setscrew
9	735083006	Feed bar spring
10	735084007	Feed rock shaft center
11	735085008	Feed rock shaft center plate
12	000101404	Setscrew 4x6
13	301608006	Feed lifting arm (unit)
14	301027005	Feed lifting arm
15	735087000	Feed lifting pin
16	735088001	Feed lifting roller
17	735089002	Feed lifting spring
18	735090006	Feed lifting shaft
19	000097200	Setscrew 4x12
20	739022009	Feed lifting shaft holder
21	000081119	Setscrew 4x6
22	743012009	Feed rod
23	743013000	Feed rod spring
24	102141003	Feed regulator slide block
25	735071104	Feed rock shaft connecting pin
26	000002806	Snap ring E–6
27	735276008	Ring



KEY	PARTS		
NO.	NO.	DESCRIPTION	
1	743612005	Motor assy	
2	014170108	Motor	
3	743025005	Motor bracket	
4	000201209	Setscrew 5x12	
5	650166019	Motor timing belt	
6	739505403	Machine socket (unit)	
7	000060802	Nut	
8	739037007	Machine socket cover	
9	000107802	Setscrew 3x10 (B)	
10	000103509	Setscrew 4x10	
11	743017004	Belt cover	
12	000115205	Setscrew 4x6	







KEY	PARTS	
NO.	NO.	DESCRIPTION
1	743870368	Accessory set
2	102261000	Bobbin
3	647808009	Seam ripper/Buttonhole opener
4	639804000	Needle set
5	611413002	Buttonhole foot
6	735801008	Darning plate
7	C-1028	Foot control
8	743802222	Instruction book