User's Manual



WJ; 222 Series



ANITA B s.r.o.

Průmyslová 2453/7

680 01 Boskovice

Czech Republic

tel: +420 516 454 774

+420 516 453 496

fax: +420 516 452 751

e-mail: info@anita.cz



PREFACE:

UH-9000 SERIES IS A ULTRA HIGH SPEED FLAT BED OVERLOCK MACHINE.

ABLE TO PERFORM PERFECT SEWING STITCHES EVEN USING DIFFERENT KINDS OF HEAVY OR LIGHT MATERIALS, EASY MAINTENANCE AND REPAIRING, ALSO CAN PERFORMS HIGH EFFICIENCY.

WITH PRECISION PARTS, MACHINES CAN BE PERFORMED QUIET STABLE, DURABLE CHARACTERS.

FOR OPERATOR TO MASTER THIS MACHINE, THIS INSTRUCTION MANUEL HAVE LISTED FEW BASIC ITEMS WHICH SHOWING HOW TO INSTALL, MAINTENANCE, ADJUSTING AND SAFETY PRECAUTIONS IN ORDER TO KEEP THE MACHINE IN THE BEST POSSIBLE CONDITIONS.

SAFETY PRECAUTIONS:

- 1. BELT COVER MUST BE INSTALLED.
- 2. MAKE SURE MOTOR POWER BEEN WIRED PROPERLY.
- 3. BEFORE MAINTENANCE, ADJUSTING, REPAIRING, CLEANING, THREADING OR REPLACING NEEDLES, MUST MAKE SURE TO TURN OFF THE ELECTRICITY POWER AND THE MOTOR STOPPED COMPLETELY.
- 4. PLEASE OPERATE THE MACHINES AT THE SPEED UNDER 6000 RPM. FOR THE FIRST MONTH USAGE FOR NEW MACHINE .
- 5. WHEN ADDING LUBRICATION OIL , PLEASE MAKE SURE NOT TO OVER THE UPPER LIMIT MARK OF OIL WINDOW .
- 6. BEFORE OPERATING THE NEW MACHINE, PLEASE ADD ONE DROP OF LUBRICATION OIL ON THE UPPER LOOPER DRIVING ROD.
- 7. BEFORE OPERATING, PLEASE MAKE SURE SEWING NEEDLES DID NOT BENT NEEDLE POINT DID NOT BREAK AND NEEDLES FACE THE CORRECT DIRECTION.
- 8. PLEASE MAKE SURE THE THREADING IS CORRECT.
- 9. AFTER SEWING OPERATION, MUST CLEAN THE MACHINE AND PUT ON DUST COVER.

UH9000 SUBCLASS SPECIFICATIONS

						Market	± ((; i i i i i i i i i i i i i i i i i i					
Application	Subclass	Number Of Needles	Number Of Threads	Needle Distance (mm)	Overedge Width(mm)	Feed Dog Rows	Stitch Length Max (mm)	Diff.Feed Ratio	Presserfoot Lift	Max Speed (s.p.m)	Needle Size	Standard Equipment
	UH90B3-021-F02	1	3	-	3	1	3.8	0.7~2	5	8000	DC*27#9	
Fine Edging	UH90B3-021-F04	1	3		3	1	3.8	0.7~2	5	8000	DC*27#9	
	UH90B3-022-F02	1	3	7	3	1	3.8	0.7~2	5	8000	DC*27#9	
	UH9003-032-M04	1	3	_	3	2	3.8	0.7~2	9	8000	DC*27#11	
Plain Seaming	UH9003-053-M04	1	3	_	4	3	3.8	0.7~2	9	8000	DC*27#11	
	UH9003-053-H04	1	3	_	5	3	3.8	0.7~2	9	7000	DC*27#14	Thicker Teeth Bigger Needle Plate Hole
Blind Hemming	UH9013-032-L05	1	3	-	3	2	3.8	0.7~2	5	8000	DC*27#9	
Booklotohing	UH9023-032-M04	1	3	I	3	2	3.8	0.7~2	9	8000	DC*27#11	
Dackiateming	UH9023B-032-M04	1	3	I	3	2	3.8	0.7~2	9	8000	DC*27#11	
Elastic Tape	UH9083-053-H04	1	3	I	5	3	3.8	0.7~2	9	7000	DC*27#14	Thicker Teeth Bigger Needle Plate Hole
Attaching	UH9084-243-H14	2	4	2.2	4 6	3	3.2	0.8~2.4	9	7000	DC*27#14	Thicker Teeth Bigger Needle Plate Hole
	UH9004-232-M14	2	4	2.2	3 5	2	3.8	0.7~2	5.5	7500	DC*27#11	
	UH9004-232F-M14	2	4	2.2	3 5	2	3.8	0.7~2	5.5	7500	DC*27#11	
	UH9004-233-M14	2	4	2.2	3 5	3	3.8	0.7~2	5.5	7500	DC*27#11	
	UH9004-242-M14	2	4	2.2	4 6	2	3.8	0.7~2	5.5	7500	DC*27#11	
Plain Seaming	UH9004-243-M14	2	4	2.2	4 6	3	3.8	0.7~2	5.5	7500	DC*27#11	
	UH9004-253-M14	2	4	2.2	5 7	3	3.8	0.7~2	5.5	7500	DC*27#11	
	UH9004-253-H14	2	4	2.2	5 7	3	3.8	$0.7 \sim 2$	5.5	7000	DC*27#14	Bigger Needle Plate Hole
	UH9004-263-M14	2	4	2.2	8 9	3	3.8	0.7~2	5.5	6500	DC*27#11	
	UH9004-353-M12	2	4	3	5 8	3	3.8	$0.7 \sim 2$	5.5	7000	DC*27#11	

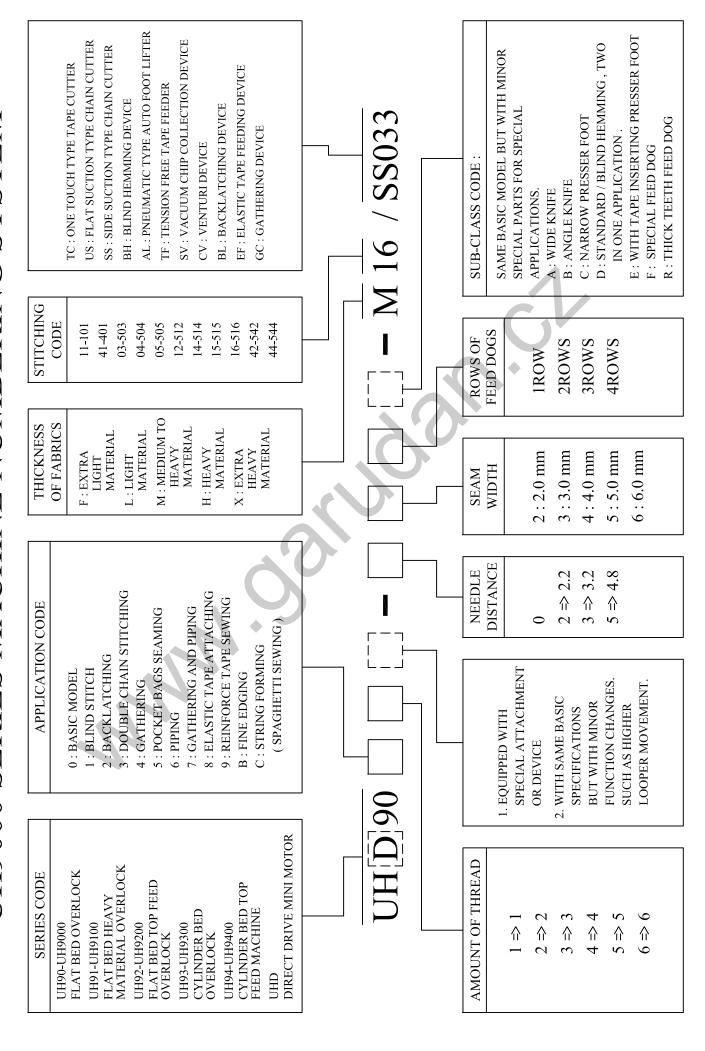
UH9000 SUBCLASS SPECIFICATIONS

→ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑ ↑	Speed Size Standard Equipment (s.p.m)	7000 DC*27#11	7000 DC*27#11	7000 DC*27#11	7000 DC*27#11	7000 DC*27#11	7000 DC*27#11	7000 DC*27#11	7000 DC*27#11	6000 DC*27#16 Thicker Teeth Bigger Needle Plate Hole	5500 DC*27#11	5500 DC*27#11	5500 DC*27#11	5000 DC*27#11	5000 DC*27#11	5500 DC*27#19 Thicker Teeth Bigger Needle Plate Hole
	d Presserfoot Lift	5.5	5.5	9	9	9	9	9	9	9	5	\$	5	2	5	~
	Diff.Feed Ratio	0.7~2	$0.7 \sim 2$	0.7~2	0.7~2	0.7~2	0.7~2	0.7~2	0.7~2	0.6~1.6	1.0~3.0	0.6~1.6	0.6~1.6	1.0~3.0	$1.0\sim 3.0$	0.6~1.6
± (— (ii i	g Stitch Length Max (mm)	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	4.5	3	3	3.8	3	3	4.5
	Feed Dog Rows	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3
	Overedge Width(mm)	4 6	4 6	3 5	3 6	3 6	5 8	8 8	5 10	5 10	5 8	5 8	8 8	8 8	8 8	5 10
	Needle Distance (mm)	2.2	2.2	2	3	3.	3	3	5	5	3	3	3	3	3	5
	Number Of Threads	4	4	5	5	5	5	5	5	5	5	5	5	5	5	S
<u></u>	Number Of Needles	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
	Subclass	UH9024-242-M14	UH9024B-242-M14	UH9005-232-L16	UH9005-332C-L16	UH9005-332-M16	UH9005-352-M16	UH9005-353-M16	UH9005-553-M16	UH9005-553-H16	UH9045-353-M16	UH9055-353-M16	UH9065-353-M16	UH9075-353-M16	UH9075/A-353-M16	UH9105-553-X16
	Application	Backlatching	Dackiateming	Safety					Gathering	Pocket Bags Seaming	Piping Sewing	October 9. Dining	Gameinig & Fiping	Extra Heavy Weight Material Seaming		

UH9000 SUBCLASS SPECIFICATIONS

	Size Standard Equipment	#14 With Wider Knife, Binding Tape Bracket, Thicker Teeth Bigger Needle Plate Hole	With Binding Tape Bracket, Tape Guide, Presser Foot With Tape Guide	#14	#11	#11	#11	#11	#11
→	Needle Size	DC*27#14	DC*27#11	DC*27#14	DC*27#11	DC*27#11	DC*27#11	DC*27#11	DC*27#11
	Max Speed	7000	7000	2000	5500	5500	5500	0059	0059
	Presserfoot Lift	9	9	\$	5	5	5	5	5
	Diff.Feed Ratio	0.8~2.4	0.7~2	0.6~1.6	1.0~3.0	0.6~1.6	1.0~3.0	0.7~2	0.7~2
± (—	Stitch Length	3.2	3.8	3.2	3	3.8	3	3.8	3.8
	Feed Dog Rows	ъ	33	3	3	3	3	3	3
	Overedge Width(mm)	4 6	4 6		4 6	9 7	9 7	7 7	4 9
	Needle Distance	2.2	2.2	S	2.2	2.2	2.2	3 × 2.2	5 × 2.2
	Number Of Throods	4	4	4	4	4	4	9	9
	Number Of	2	2	2	2	2	2	3	3
	Subclass	UH9094-243-H14	UH9004-243E-M14	UH9034-503-M45	UH9044-243-M14	UH9064-243-M14	UH9074-243-M14	UH9006-3243-M44	UH9006-5243-M44
	Application	Reinforce Tape	Sewing	Double Chain Stitching	Gathering	Piping Sewing	Gathering & Piping	6-Thread Muti-Use	Overlock Machine

JH9000 SERIES MACHINE NUMBERING SYSTEM

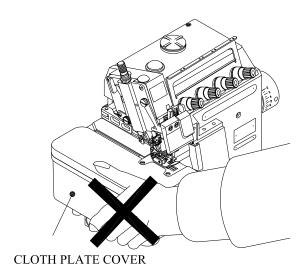


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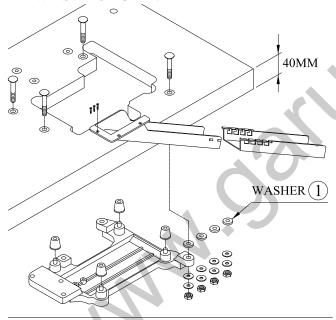
1. INSTALLATION

1-1 MOVING:



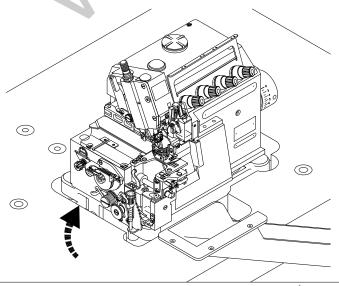
DURING INSTALLATION PROCESS, DO NOT MOVE SEWING MACHINE BY HOLDING CLOTH PLATE.

1-2 INSTALLATION OF FRAME SUPPORT PLATE AND WASTE CHUTE :



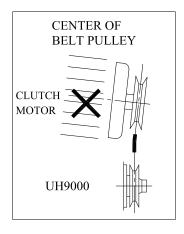
PLEASE USING STANDARD TABLE OF 40MM IN THICKNESS. IF USE THE TABLE IN 35MM IN THICKNESS, THEN, PLEASE REFER TO INSTALLATION MAP.

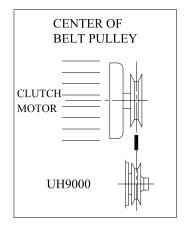
1-3 INSTALLATION OF SEWING MACHINE:

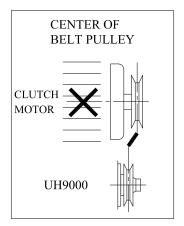


PLEASE MAKE SURE THERE HAVE ENOUGH ROOM BETWEEN SEWING MACHINE AND THE TABLE AROUND IT AFTER INSTALLATION. TABLE CAN NOT INTERFERENCE WITH THE SEWING MACHINE.

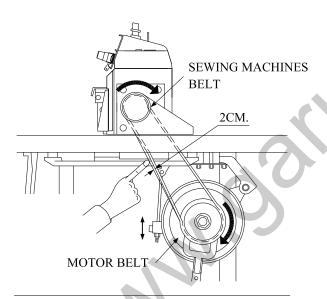
1-4 INSTALLATION OF MOTOR BELT:





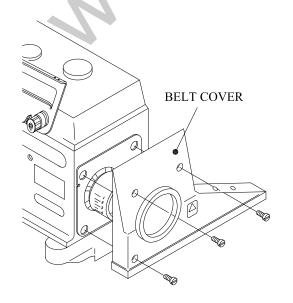


INSTALL MOTOR BELT AND MAKE SURE MOTOR BELT IN PARALLEL WITH BOTH PULLEY OF CLUTCH MOTOR AND SEWING MACHINE BY ADJUSTING CLUTCH MOTOR'S POSITION PROPERLY.



INSTALL MOTOR BELT AND MAKE SURE THERE HAVE 2CM. TOLERANCE BY PRESS THE MOTOR BELT.

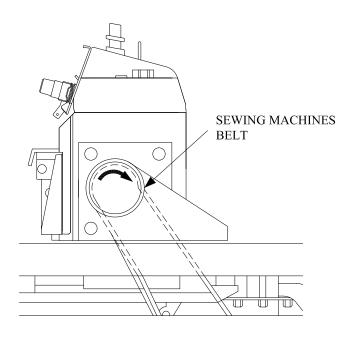
1-5 INSTALLATION OF BELT COVER:



FOR SAFTY REASON , BELT COVER MUST BE INSTALLED .

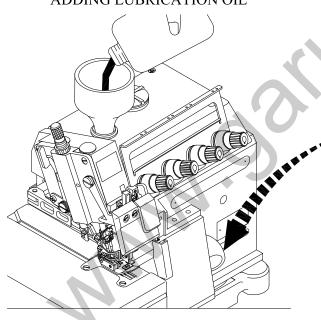
2. BEFORE OPERATION

2-1 TURNING DIRECTION OF BELT PULLEY:



PLEASE MAKE SURE SEWING MACHINES BELT PULLEY IS TURNING CLOCKWISE . AS FIGURE 2-1 .

2-2 ADDING LUBRICATION OIL AND SILICON OIL : ADDING LUBRICATION OIL

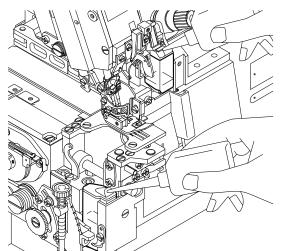


DURING ADDING PROCESS, PLEASE MAKE SURE THE LUBRICATION OIL CAN NOT OVER THE UPPER LIMIT OF OIL GAUGE.

TOP LOW

SPECIFICATION OF LUBRICATION OIL : MOBIL VELOCTE OIL NO.10 (ISO/VG22) . OR SAME SPECIFICATION OF OTHER BRAND'S OIL .

ADDING SILICON OIL



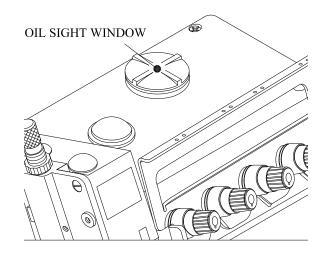
PLEASE ADD PROPER SILICON OIL INTO SILICON OIL RESERVOIRS IN ORDER TO PREVENT THREAD BREAKAGE .

SPECIFICATION OF SILICON OIL: UNION CARBIDE CORP. UCC L-45 (10) OR SAME SPECIFICATION OF OTHER BRAND'S SILICON OIL.

3. TEST SEWING AND ADJUSTING

3-1 DESCRIPTION:

EVEN THOUGHT THE MACHINE IS UNDER ITS BEST NORMAL SEWING CONDITION WHEN OUT OF THE FACTORY, HOWEVER, DUE TO DIFFERENT SEWING REQUIREMENT, SUCH AS SEWING FABRICS, SEWING THREADS, IT MAY REQUIRED MINOR ADJUSTMENTS ON SEWING MACHINES AS FOLLOWS:

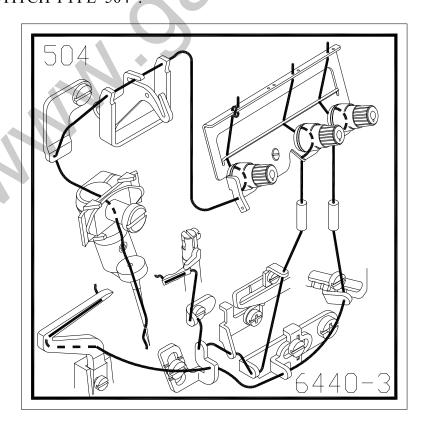


DURING THE FIRST USAGE, PLEASE MAKE SURE LUBRICATION OIL CIRCULATES PROPERLY.

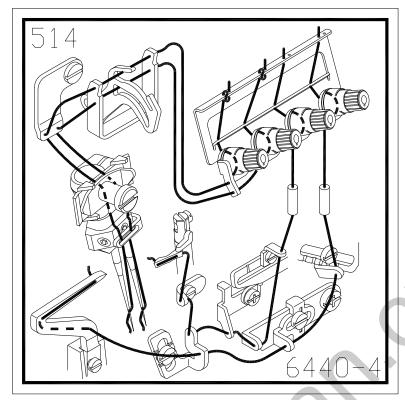
3-2 THREADING MAP:

MISTHREADING WILL CAUSE THREAD BREAKAGE, SKIP STITCH OR OTHER SEWING DEFECTS, THUS, PLEASE MAKE SURE FOLLOW THE THREADING MAP AND THREADING PROPERLY.

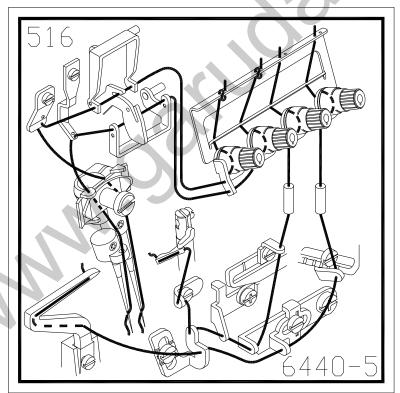
UH9003 . STITCH TYPE 504

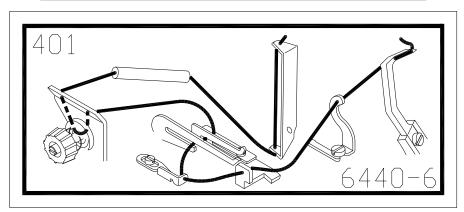


UH9004. STITCH TYPE 514.

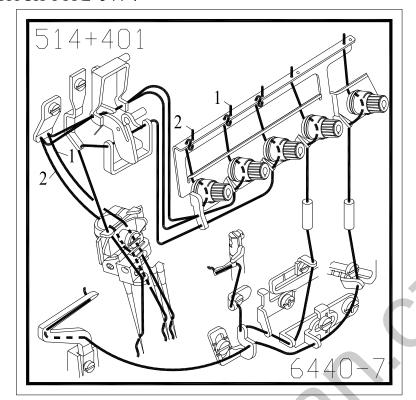


UH9005 . STITCH TYPE 516 .

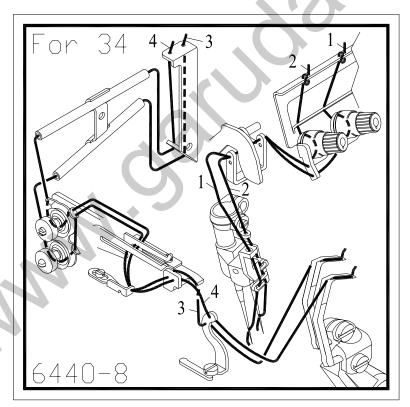


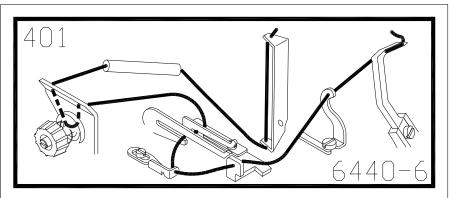


UH9006 . STITCH TYPE 544 .

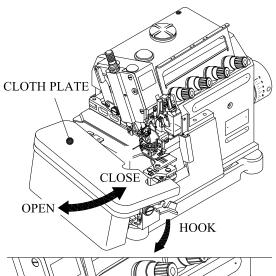


UH9034

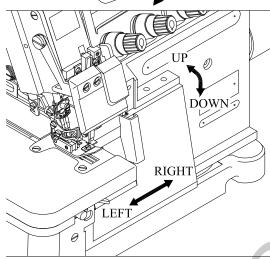




3-3 OPEN AND CLOSE THE CLOTH PLATE AND FRONT COVER:

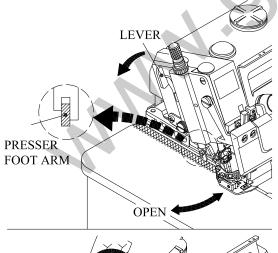


PRESS DOWN HOOK AND PUSH TO LEFT IN ORDER TO OPEN CLOTH PLATE, PUSHING RIGHT TO ITS HOOK SET POSITION, THE CLOTH PLATE WILL BE CLOSED.

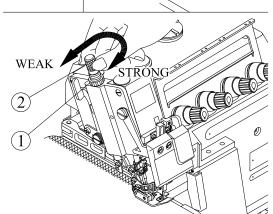


OPEN AND CLOSE FRONT COVER:
PUSHING FRONT COVER TO RIGHT SET
POSITION AND PULL DOWN TO OPEN
IT. AND ON THE OTHER HAND, PULL UP
TO ITS SET POSITION AND TO LEFT IN
ORDER TO CLOSE FRONT COVER.
AFTER CLOSING FRONT COVER,
PLEASE MAKE SURE THERE IS NO
INTERFERENCE BETWEEN FRONT
COVER AND OTHER PARTS.

3-4 OPEN AND CLOSE THE PRESSER FOOT ARM AND ADJUSTING PRESSURE :



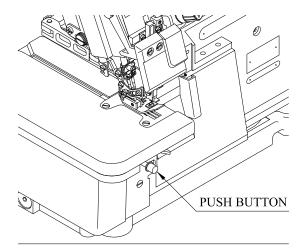
OPEN AND CLOSE THE PRESSER FOOT ARM:
PUSH LEVER DOWN TO ITS SET
POSITION THEN TAKE OUT PRESSER FOOT ARM.
VICE VERSA, PUSH DOWN LEVER TO
ITS SET POSITION, CAN PUT PRESSER
FOOT ARM BACK.
WHEN PUT PRESSER FOOT ARM
BACK, PLEASE MAKE SURE IT WILL
BE BACK TO ITS SET POSITION.



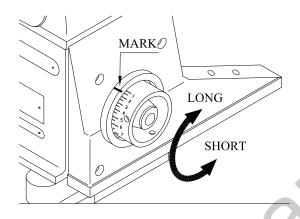
ADJUSTING PRESSURE: TURNING ADJUSTING SCREW CLOCKWISE IN ORDER TO INCREASE PRESSURE. TURNING ADJUSTING SCREW COUNTERCLOCKWISE IN ORDER TO DECREASE PRESSURE.

3-5 ADJUSTING STITCH LENGTH AND DIFFERENTIAL RATIO:

ADJUSTING STITCH LENGTH:

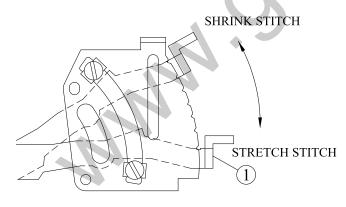


PUSHING THE PUSH BUTTON LIGHTLY FIRST AND TURNING PULLEY TO SET POSITION THEN PUSHING DOWN THE PUSH BUTTON INTO ITS SET POSITION AND ADJUST THE LENGTH OF STITCH.

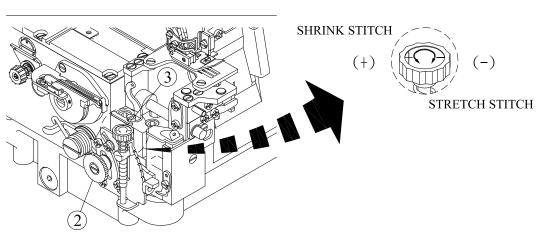


REMARK: THE DISTANCE MARK ON THE PULLEY ONLY REPRESENT APPROX LENGTH OF STITCH AND ACTUAL STITCH LENGTH NEEDED SHOULD GET FROM TEST SEWING.

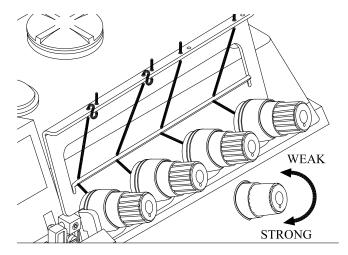
ADJUSTING DIFFERENTIAL RATIO:



DIFFERENTIAL RATIO WAS SET AT 1:1 WHEN MACHINES WERE OUT OF FACTORY. ADJUST DIFFERENTIAL RATIO AS NEEDED.
OPEN UP CLOTH PLATE, LOOSEN NUT (2) MOVE LEVEL (1) UPWARD OR DOWNWARN TO THE POSITION NEEDED. THEN TIGHTEN NUT (2). FOR MICRO-ADJUSTMENT PLEASE TURN ADJUSTING SCREW (3).



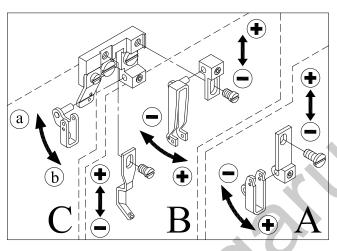
3-6 ADJUSTING THREAD TENSION AND THREAD TENSION AMOUNT : ADJUSTING THREAD TENSION :



THREAD TENSION CORRELATE WITH THREAD TENSION AMOUNT. PLEASE REFER TO THIS ITEM AND NEXT ITEM TO ADJUST THREAD TENSION AMOUNT IN ORDER TO GET BEST RESULT.

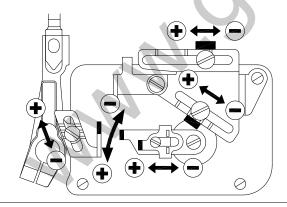
TURNING CLOCKWISE IN ORDER TO GET STRONG THREAD TENSION . TURNING COUNTERCLOCKWISE IN ORDER TO GET WEAK THREAD TENSION .

NEEDLE THREAD TENSION AMOUNT:



- A: FOR UH9003, UH9004 USAGE.
 TOWARD (+) DIRECTION GET
 BIGGER THREAD TENSION AMOUNT.
 TOWARD (-) DIRECTION GET
 SMALLER THREAD TENSION AMOUNT.
- B: FOR UH9005 USAGE.
 TOWARD (+) DIRECTION IN ORDER
 TO GET BIGGER THREAD TENSION
 AMOUNT.
 TOWARD (-) DIRECTION IN
 ORDER TO GET SMALLER THREAD
 TENSION AMOUNT.
- C: IF CHAIN STITCH NEEDLE THREAD LOOP FORMED TOO EARLY, PLEASE ADJUST THREAD GUIDE TO (a) DIRECTION.

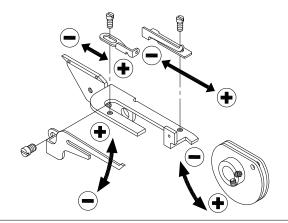
UPPER / LOWER LOOPER THREAD TENSION AMOUNT:



PLEASE ADJUST TENSION AMOUNT ACCORDING TO ARROW DIRECTION

- (+) INCREASE LOOPER THREAD TENSION AMOUNT .
- (-) DECREASE LOOPER THREAD TENSION AMOUNT .

CHAINSTITCH LOOPER THREAD TENSION AMOUNT:



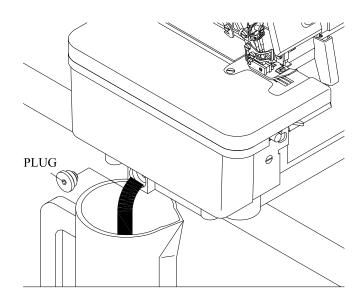
WHEN ADJUSTING CHAINSTITCH LOOPER THREAD, IF THREAD LOOP COLLAPSE, UNSTABLE OR CAN NOT FORM THREAD LOOP, PLEASE ADJUST THREAD TENSION AMOUNT ACCORDING TO ARROW DIRECTION

- (+) INCREASE.
- (-) DECREASE.

4. REPAIRING AND MAINTENANCE

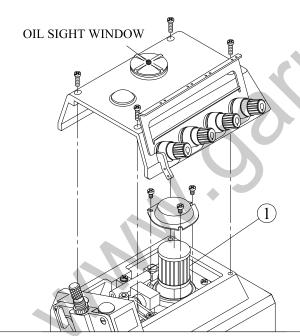
4-1 CHANGING LUBRICATION OIL, OIL FILTER AND NEEDLES:

CHANGE LUBRICATION OIL:



AFTER OPERATING SEWING MACHINE FOR 160-200 HOURS (APPROX ONE MONTH.) PLEASE CHANGE LUBRICATION OIL AND CHANGE LUBRICATION OIL EVERY 6 MONTHS THEREAFTER. IF STOP USING SEWING MACHINE FOR A LONG TIME, PLEASE CHANGE LUBRICATION OIL BEFORE OPERATE AGAIN. CHANGE LUBRICATION OIL BY TAKE OFF PLUG.

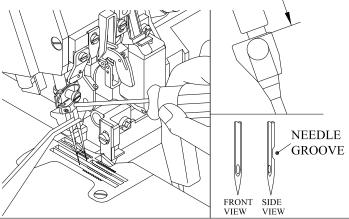
CHANGE OIL FILTER:



PLEASE CHANGE OIL FILTER AFTER APPROX 6 MONTHS USAGE OR FOUND OUT OIL CIRCULATION WAS NOT NORMAL FROM OIL SIGHT WINDOW.

CHANGE NEEDLES:

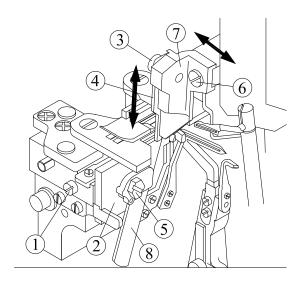
MAKE SURE TO INSERT NEEDLES ALL THE WAY TO THE BOTTOM OF NEEDLE HOLES .



WHEN CHANGING NEEDLES, PLEASE MAKE SURE NEEDLE GROOVE IS IN ITS CORRENT POSITION AND ALSO MAKE SURE NEEDLES BE INSERTED ALL THE WAY TO THE BOTTOM OF NEEDLE HOLES.

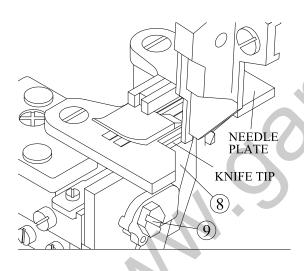
4-2 CHANGING UPPER KNIFE AND LOWER KNIFE:

CHANGING UPPER KNIFE:

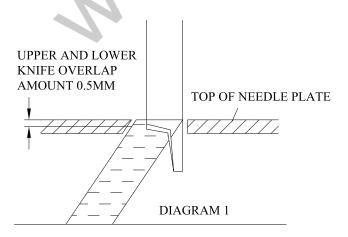


- A . LOOSEN SCREW (1) PUSH LOWER KNIFE HOLDER (2) TO LEFT , THEN , TIGHTEN SCREW (1) LIGHTY .
- B . TAKE OFF SCREW (3) CHANGE NEW UPPER KNIFE (4) . THEN , TIGHTEN SCREW (3) LIGHTLY .
- C . LOOSEN SCREW (1) MAKE SURE LOWER KNIFE (8) TOUCH UPPER KNIFE CLOSELY .
- D. TURNING HAND WHEEL TILL UPPER KNIFE CLAMP REACH ITS LOWEST POSITION. THEN, ADJUSTING THE POSITION OF UPPER KNIFE IN ORDER TO MAKE SURE UPPER KNIFE AND LOWER KNIFE OVERLAP BY 0.5MM.
- E. TIGHTEN SCREW (3), (1).

CHANGING LOWER KNIFE:

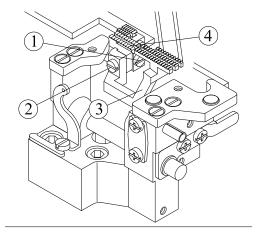


- A . LOOSEN SCREW (1) PUSH LOWER KNIFE HOLDER (2) TO LEFT, THEN, TIGHTEN SCREW (1) LIGHTY.
- B . LOOSEN SCREW (9) TAKE OFF OLD LOWER KNIFE (8) AND CHANGE NEW LOWER KNIFE .
- C . MAKE SURE THE TIP OF LOWER KNIFE LINE EVEN WITH THE TOP OF NEEDLE PLATE . THEN , TIGHTEN SCREW (9) .
- D . LOOSEN SCREW (1) MAKE SURE LOWER KNIFE TOUCH UPPER KNIFE (4) CLOSELY . THEN , TIGHTEN SCREW (1) .



4-3 CHANGING AND ADJUSTING FEED DOGS:

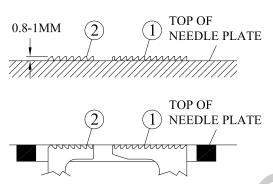
CHANGING FEED DOGS:



LOOSEN SCREW (1) CAN CHANGE MAIN FEED DOG (4), LOOSEN SCREW (2) CAN CHANGE DIFFERENTIAL FEED DOG (3).

AFTER CHANGED FEED DOGS , TIGHTEN SCREWS LIGHTLY . PLEASE REFER TO FOLLOWING ITEMS IN ORDER TO SET UP CORRECT POSITION OF FEED DOGS . THEN , TIGHTEN SET SCREWS .

ADJUSTING FEED DOGS AFTER CHANGED:



AFTER CHANGE FEED DOGS, MUST ADJUST FEED DOGS TO ITS CORRECT POSITION. TURNING BELT PULLEY, MAKE SURE MAIN FEED DOG (2) TO ITS HIGHEST POSITION, MAKE SURE THE TIP OF FEED DOG TEETH HIGHER THAN TOP OF NEEDLE PLATE BY 0.8-1MM. (STANDARD SETTING VALUE) THEN, TURNING BELT PULLEY, LOWERING MAIN FEED DOG, MAKE SURE THE TIP OF TEETH LINE EVEN WITH TOP OF NEEDLE PLATE, THEN, ADJUSTING THE TIP OF TEETH OF DIFFERENTIAL FEED DOGS LINE EVEN WITH TOP OF NEEDLE PLATE.

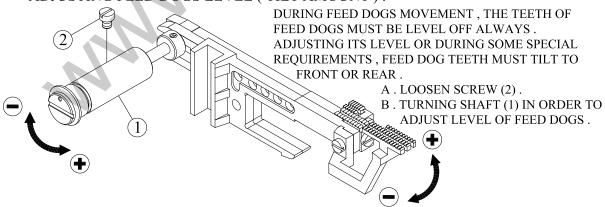
AFTER SET UP, TIGHTEN SCREW (1), (2) AND

AFTER SET UP, TIGHTEN SCREW (1), (2) AND MAKE SURE FEED DOGS ARE AT ITS CORRECT POSITION AGAIN.

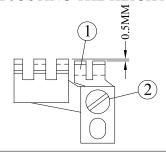
AFTER ADJUSTING , PLEASE TIGHTEN SCREW (1) , (2) AND IN THE SAME TIME , PLEASE MAKE SURE a. IF FEED DOGS WILL RAISE 0.8-1MM . ABOVE THE TOP OF NEEDLE PLATE BY TURNING BELT PULLEY AND MOVING FEED DOG UP .

b. IF FEED DOGS WILL HIDE UNDERNEATH THE NEEDLE PLATE BY KEEP TURNING BELT PULLEY .

ADJUSTING FEED DOGS LEVEL (TILT AMOUNT):



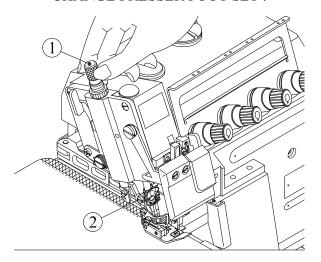
ADJUSTING THE HEIGHT OF AUXILIARY FEED DOG:



THE HEIGHT OF AUXILIARY FEED DOG SHOULD BE 0.5MM LOWER THAN MAIN FEED DOG (STANDARD SETTING VALUE) AND ADJUSTMENT CAN BE MADE BY LOOSEN SCREW (2).

4-4 CHANGING AND ADJUSTING PRESSER FOOT SET:

CHANGE PRESSER FOOT SET:

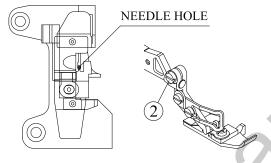


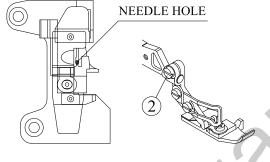
TURNING ADJUSTING SCREW (1) COUNTERCLOCKWISE IN ORDER TO LOOSE PRESSURE SPRING. LOOSEN SCREW (2) CAN TAKE OFF PRESSER FOOT SET.

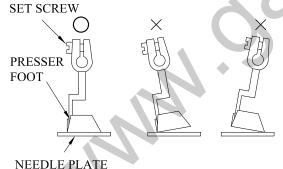
ADJUSTING:

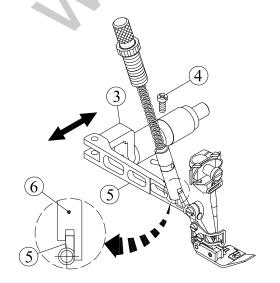
PRESSER FOOT MUST BE INSTALLED CORRECTLY IN ORDER TO **OBTAIN BEST SEWING EFFECTS.**

UH9003 UH9004

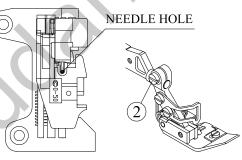






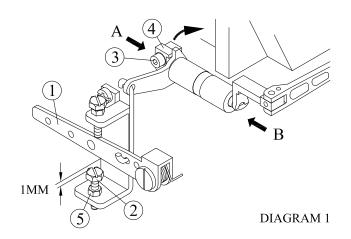


UH9005



- 1. TURNING HAND WHEEL IN ORDER TO LOWER THE NEEDLE BAR TO ITS LOWEST SET POSITION AND NEEDLE CAN BE MOVED INTO NEEDLE HOLE.
- 2. MAKE SURE THE NEEDLE HOLE OF PRESSER FOOT IN LINE WITH THE NEEDLE HOLE OF NEEDLE PLATE AND SEWING NEEDLE IS IN THE CENTER OF NEEDLE HOLE. IN THE MEANTIME, THE BOTTOM OF PRESSER FOOT SHOULD LAY FLAT ON THE TOP OF NEEDLE PLATE (LEFT DIAGRAM)
- 3. TIGHTEN SCREW (2)
- 4. THE BOTTOM OF PRESSER BAR SHOULD HOLD PRESSER ARM PROPERLY . SO , PRESSER ARM CAN BE HELD AND RELEASED EASILY, WHILE ADJUSTING , LOOSEN SCREW (4) MOVE SHAFT (3) TO RIGHT OR LEFT IN ORDER TO SET UP CORRECT POSITION.

4-5 ADJUSTING THE LIFTING HEIGHT OF PRESSER FOOT:



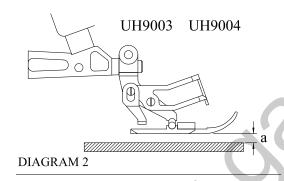
SETTING TOLERANCE UP:

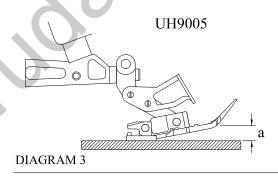
THE TOLERANCE BETWEEN LEVEL (1) AND SCREW (2) SHOULD BE 1MM.

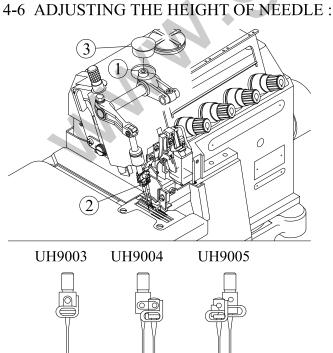
- 1. LOWER FEED DOGS UNDER NEEDLE PLATE BY TURNING HAND WHEEL.
- 2. LOOSEN SCREW (3) LIGHTLY (CAN NOT LOOSEN SCREW COMPLETELY.)
- 3. HOLDING BUSHING FROM A AND B SIDES TURNING COLLAR (4) IN ORDER TO SET UP 1MM TOLERANCE BETWEEN LEVEL (1) AND SCREW (2)
- 4. TIGHTEN SCREW (3).

SETTING UP PRESSER FOOT LIFTING AMOUNT:

AS SHOWN ON DIAGRAM 2 (UH9003, UH9004) AND DIAGRAM 3 (UH9005) MAX . PRESSER FOOT LIFTING AMOUNT "a" IS 7MM . WHEN ADJUSTING, LOOSEN NUT (5) AND ADJUST THE TOLERANCE TO DESIRED POSITION BETWEEN SCREW (2) AND LEVEL (1).







10.6MM

THE DISTANCE BETWEEN NEEDLE TIP TO TOP OF NEEDLE PLATE SHOULD BE 10.6MM (STANDARD SETTING).

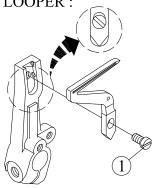
PLEASE REFER TO LEFT DIAGRAM:

- 1. TURNING BELT PULLEY IN ORDER TO RAISE NEEDLE BAR TO ITS HIGHEST POSITION.
- 2. OPEN UP PLUG (3) AND LOOSEN SCREW(1).
- 3. ADJUST THE HEIGHT OF NEEDLE BAR.
- 4. AFTER ADJUSTMENT PLEASE MAKE SURE TIGHTEN SCREW (1).

10.6MM

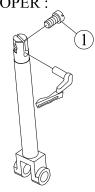
4-7 CHANGING LOOPERS:

4-7-1 CHANGING LOWER LOOPER:



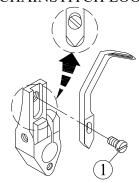
CHANGING LOWER LOOPER BY TAKE OFF SCREW (1).
WHEN INSTALLING, PLEASE MAKE SURE THE CRANK OF LOWER LOOPER MUST ATTACH TO THE BOTTOM OF GROOVE OF LOWER LOOPER ARM CLOSELY.

4-7-2 CHANGING UPPER LOOPER:



CHANGING UPPER LOOPER BY TAKE OFF SCREW (1).

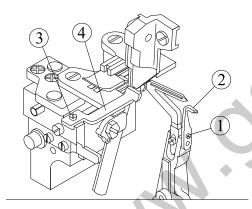
4-7-3 CHANGING CHAINSTITCH LOOPER :



CHANGING THE CHAIN LOOPER BY LOOSEN SCREW (1). WHEN INSTALLING, PLEASE MAKE SURE THE CRANK OF CHAIN LOOPER MUST ATTACH TO THE BOTTOM OF GROOVE OF CHAIN LOOPER ARM CLOSELY.

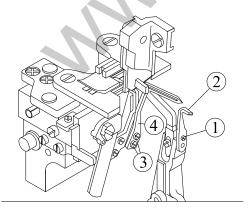
4-8 CHANGING NEEDLE GUARD:

4-8-1 CHANGING NEEDLE GUARD OF UH9003, UH9004

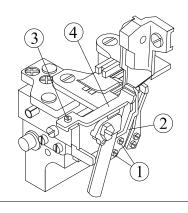


CAN TAKE OFF REAR NEEDLE GUARD (2) BY LOOSEN SCREW (1). LOOSEN SCREW (3) CAN TAKE OFF FRONT NEEDLE GUARD (4).

4-8-2 CHANGING NEEDLE GUARD OF UH9005



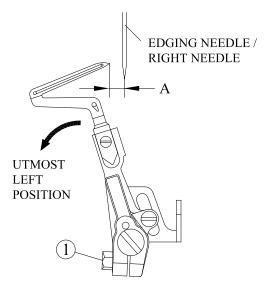
PLEASE TAKE OFF REAR NEEDLE GUARD (2) BY LOOSEN SET SCREW (1) . LOOSEN SET SCREW (3) CAN TAKE OFF FRONT NEEDLE GUARD (4) .

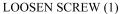


LOOSEN SET SCREW (1) CAN TAKE OFF REAR CHAINSTITCH NEEDLE GUARD (2) . LOOSEN SET SCREW (3) CAN TAKE OFF FRONT CHAINSTITCH NEEDLE GUARD (4) .

4-9 SETTING UP LOOPER AND NEEDLE GUARD:

4-9-1 SETTING UP LOWER LOOPER:

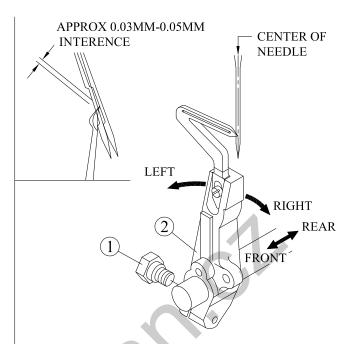




UNIT MM

MODEL	THE DISTANCE A BETWEEN TIP OF LOOPER AND THE CENTER OF NEEDLE(S)
9003	3.8 ∼ 4
9004	3.6 ∼ 3.8
9005	3.8 ∼ 4

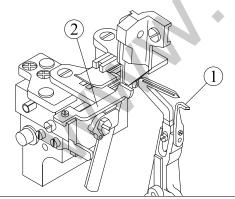
WHEN LOWER LOOPER MOVES TO ITS UTMOST LEFT POSITION, PLEASE REFER TO THE CHART ABOVE FOR THE DISTANCE A BETWEEN THE TIP OF LOWER LOOPER AND THE CENTER OF EDGING NEEDLE.

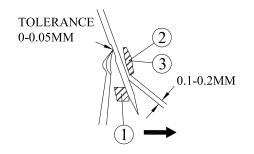


WHEN LOWER LOOPER MOVES FROM RIGHT TO LEFT AND THE TIP OF LOOPER MOVES TO EDGING NEEDLE / RIGHT NEEDLE , THERE WILL HAVE A INTERFERENCE APPROX 0.03MM TO 0.05MM . LOOSEN SCREW (1) AND ADJUSTMENT CAN BE MADE BY MOVING LOOPER ARM (2) FORWARD OR BACKWARD .

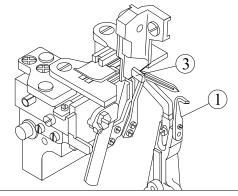
4-9-2 SETTING UP NEEDLE GUARD OF EDGING NEEDLE:

UH9003 UH9004



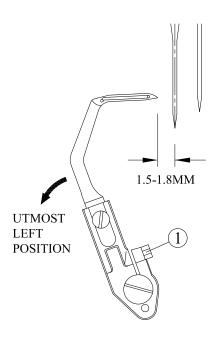


UH9005

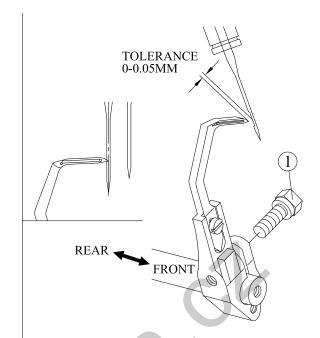


- 1. AS MENTIONED ABOVE, WHEN LOWER LOOPER MOVES TO THE CENTER OF EDGING NEEDLE, THERE WILL HAVE APPROX 0.03MM-0.05MM INTERFERENCE.
- 2. IN THE SAME TIME, ADJUSTING REAR NEEDLE GUARD (1) IN ORDER TO PUSH NEEDLE FORWARD AND CREATE A TOLERANCE OF 0-0.05MM BETWEEN NEEDLE AND THE TIP OF LOWER LOOPER.
- 3. IN THE SAME TIME, ALSO ADJUSTING FRONT NEEDLE GUARD (2) (UH9003, UH9004) (3) (UH9005) TO CREATE A TOLERANCE OF 0.1-0.2MM BETWEEN FRONT NEEDLE GUARD AND NEEDLE.

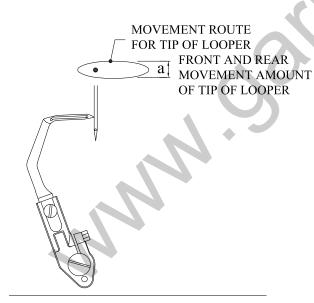
4-9-3 SETTING UP CHAINSTITCH LOOPER (FOR UH9005):

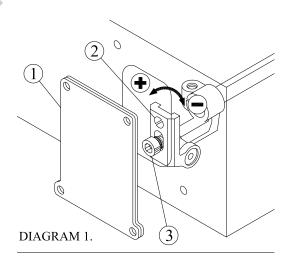


WHEN CHAINSTITCH LOOPER MOVES TO ITS UTMOST LEFT POSITION, THE DISTANCE BETWEEN TIP OF CHAINSTITCH LOOPER AND THE CENTER OF CHAINSTITCH NEEDLE SHOULD BE 1.5MM.
ADJUSTMENT CAN BE MADE BY LOOSEN SCREW (1).



WHEN TIP OF LOOPER MOVES TO THE CENTER OF CHAINSTITCH NEEDLE, THE TOLERANCE BETWEEN LOOPER TIP AND NEEDLE GROOVE SHOULD BE 0-0.05MM. ADJUSTMENT CAN BE MADE BY LOOSEN SCREW (1).



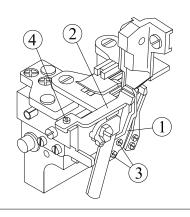


WHEN CHANGING THE SIZE OF NEEDLE OR WHEN ADJUSTING THE FRONT AND REAR MOVEMENT AMOUNT OF TIP OF LOOPER .

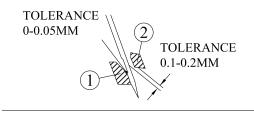
PLEASE REFER TO DIAGRAM 1.

- 1. PLEASE OPEN UP BACK COVER (1) OF SEWING MACHINE.
- 2. LOOSEN SCREW (3) A LITTLE BIT (PLEASE DO NOT LOOSEN SCREW (3) COMPLETELY .)
- 3. TURNING ADJUSTING SCREW (2).
- 4. TURNING TOWARD (+) DIRECTION IN ORDER TO OBTAIN BIGGER MOVEMENT . TURNING TOWARD (-) DIRECTION IN ORDER TO OBTAIN SMALLER MOVEMENT .
- 5. AFTER ADJUSTMENT, PLEASE MAKE SURE TIGHTEN SCREW (3) AND BACK COVER (1).

4-9-4 SETTING UP NEEDLE GUARD OF CHAINSTITCH LOOPER:



ADJUSTMENT CAN BE MADE BY LOOSEN SCREW (3), (4) AND AFTER ADJUSTMENT, MUST MAKE SURE TIGHTEN SCREWS.



WHEN CHAINSTITCH NEEDLE REACHED LOWEST POINT OF ITS STROKE, THE TOLERANCE BETWEEN REAR NEEDLE GUARD AND NEEDLE IS 0-0.05MM AND THE TOLERANCE BETWEEN FRONT NEEDLE GUARD AND NEEDLE IS 0.1-0.2MM.

4-9-5 SETTING UP UPPER LOOPER:

DIAGRAM 1.

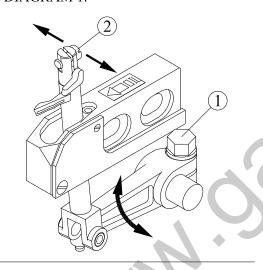


DIAGRAM 2.

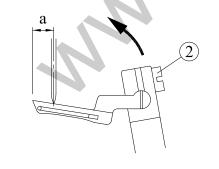
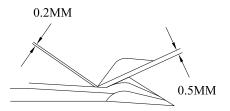


DIAGRAM 3.



- 1. WHEN UPPER LOOPER MOVES TO ITS HIGHEST POSITION, THE DISTANCE BETWEEN TIP OF LOOPER AND CENTER OF NEEDLE SHOULD BE AS SPECIFICATION CHART LISTED BELOW AND ALSO PLEASE REFER TO DIAGRAM 2.
- 2. WHEN UPPER LOOPER PASSING THROUGH THE BACK OF LOWER LOOPER . PLEASE REFER TO DIAGRAM 3. FOR CORRECT TOLERANCE BETWEEN UPPER LOOPER AND LOWER LOOPER .
- 3. WHEN SETTING, PLEASE LOOSEN SCREW (1), (2) AS PER DIAGRAM 1. AND SET UP THE TOLERANCES BETWEEN UPPER LOOPER AND NEEDLE, UPPER LOOPER AND LOWER LOOPER AS PER SPECIFICATION CHART. THEN, TIGHTEN SCREW (1), (2).

SPECIFICATION CHART

MODEL	a
UH9003(L)	4.5~5.0
UH9003	4.3~4.8
UH9004	4.5~5.0
UH9005	4.3~4.8
UH9005(H)	4.5~5.0

