

# DB2-B746A-B748A

Single Needle Straight Lock Stitcher  
with Large Hook

Single Needle Straight Lock Stitcher  
with Large Hook and Thread Trimmer



Model

DB2-B746-□ A

Application	
5	For heavy materials (For denim)
7	For heavy materials (For leather, tent)
8	For stitching

DB2-B748-□ 0 □ A

	Function		
	Quick back	Thread wiper	Presser foot lifter
1	-	-	-
3*	○	-	-
4	○	○	-
9	○	○	○ (Solenoid)

Application	
5	For heavy materials (For denim)
7	For heavy materials (For leather, tent)

\* Function 3 is only for Japan.

## Specifications

	B746-5A	B746-7A	B746-8A	B748-□05A	B748-□07A
Application	For heavy materials		For stitching	For heavy materials	
	Denim	Leather, tent		Denim	Leather, tent
Max. speed	4,000 rpm	2,500 rpm	2,000 rpm	4,000 rpm	3,000 rpm
Max. stitch length	5 mm	10 mm	10 mm	5 mm	7 mm
Needle bar stroke	34.2 mm	34.2 mm	35 mm	34.2 mm	34.2 mm
Thread take-up stroke	73.6 mm	73.6 mm	76 mm	73.6 mm	73.6 mm
Height of presser foot	Manual	6 mm			
	Knee	13 mm			
	Auto	-		8 mm	8 mm
Feed dog	Type	3 row			
	Height	1.2 mm	1.2 mm	1.0 mm	1.2 mm
Needle	DB x 1 #22 DP x 5	DB x 1 #22 DP x 5	DB x 1ST #22	DB x 1 #22 DP x 5	DB x 1 #22 DP x 5
Hook	Large rotary hook				
Bed size	476 x 178 mm				
Arm pocket size	266.5 x 134.5 mm				

## Operation panel

F-100



F-40



F-20



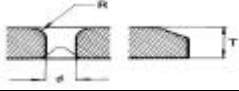
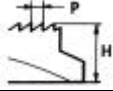




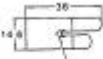

E-0



## Panel operation guide

Basic function		Panel	F-100	F-40	F-20	E-0
Switch						
<b>AUTO</b>	Automatic sewing		○	○	○	-
	Start backtack (0-9)		○	○	○	-
	End backtack (0-9)		○	○	○	-
	Continuous backtack (0-9)		○	○	-	-
	Correction sewing		○	○	○	-
	Half stitch		○	○	○	-
	Sewing speed setting		○	○	○	-
	Slow start sewing		○	○	○	-
	Needle up stop / Needle down stop		○	○	○	-
Pattern sewing						
	Normal lock stitch		○	○	○	○
	Fixed stitch (1-99)		○	○	○	-
	Name label stitch (1-99)		○	○	-	-
	Pleats presser stitch (1-99)		○	○	-	-
<b>PATTERN</b>	Pattern stitch		○	-	-	-
Pattern setting						
	Automatic thread trimming		○	○	○	-
	Automatic presser foot lifting		○	-	-	-
<b>BACK</b>	Back stitch		○	-	-	-
<b>CONTINUE</b>	Continuous stitch		○	-	-	-
<b>DELETE</b>	Step deletion		○	-	-	-
<b>INSERT</b>	Step insertion		○	-	-	-
<b>FREE</b>	Temporarily cancel programming sewing		○	-	-	-

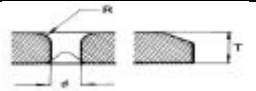
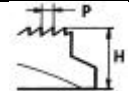
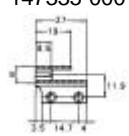


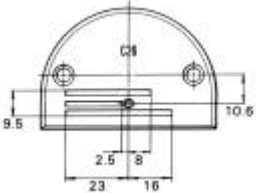
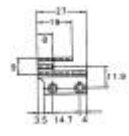


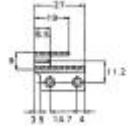
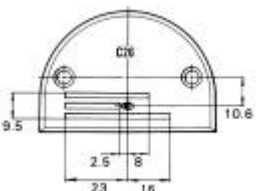
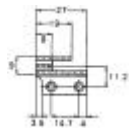
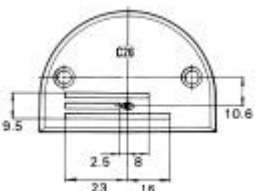
# Gauge parts list

Application	Needle plate				Feed dog			Presser foot assy	
	φ	R	T		P	H			
Heavy materials	2.2	1	2.8	100267-001	B22	2.1	6.7	144500-001	B746A-5 & B748A-□□5 145157-101   These presser foot have chamfering corner on the needle location 
	2.6	2.1	2.8	111241-001	B26			S02743-001 B746A-5 B748A-□□5	
	2.6	1	2.8	147245-001	B26	2.1	6.7	159430-001	
				B746A-5 B748A-□□5 With slot					
	2.6	1	3.2	150792-001	H26	1.8	6.8	150789-121	  Chamfering (L) 
				150793-001	1.8	6.8	150793-001		

\* Feed dog (150793-001) is not using the DB2-B748A.

\* If a feed dog measuring 11.9 mm from the screw hole center to tooth center is used, shift the feed crank and feed lifting crank 0.7 mm to the left.

# Gauge parts list

Application	Needle plate				Feed dog			Presser foot assy		
	φ	R	T		P	H				
For leather and stitching	2.6	1	2.8	111508-001	C26	1.6	6.7	147335-000		B746A-7 & -8 147328-201  Slot 
				B748A-□□7 For Japan 	147493-001				B748A-□□7 145157-101  These presser foot have chamfering corner on the needle location 	
	2.6	1	2.8	147322-101	C26N	1.6	6.7	S06628-001		B746A-7 & -8 B748A-□□7 For export With slot 
				S06629-001				B746A-7 B748A-□□7 		

\* If a feed dog measuring 11.9 mm from the screw hole center to tooth center is used, shift the feed crank and feed lifting crank 0.7 mm to the left.