

# LS2-B877

# LT2-B878

Single Needle Unison Feed Lock Stitcher  
with Large Hook

Single Needle Unison Feed Lock Stitcher  
with Large Hook and Thread Trimmer

Twin Needle Unison Feed Lock Stitcher  
with Large Hook

Twin Needle Unison Feed Lock Stitcher  
with Large Hook and Thread Trimmer



Standard type

LS2-B877-

LT2-B878-

Application	
5	heavy materials

Thread trimmer type

LS2-B877-  0

LT2-B878-  0

Device		Application	
3	Thread trimmer, Quick reverse	5	heavy materials

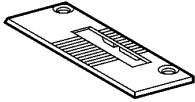
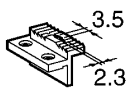
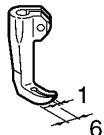
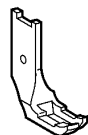
## Specifications

	B877-5	B877-305	B878-5	B878-305
Application	Medium, heavy, and extra heavy materials			
Sewing speed	3,000 rpm		2,500 rpm	
Max. feed amount	8 mm			
Needle bar stroke	33.4 mm			
Thread take-up stroke	64.6 mm			
Height of presser foot	Manual 10.5 mm Knee 16 mm			
Height of feed dog	1.0 mm			
Rotary hook	Large hook			
Needle	DP × 17 #23	DP × 17 #22	DP × 17 #23	DP × 17 #22

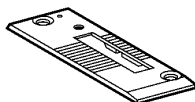
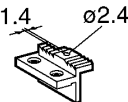

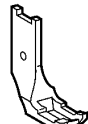
# GAUGE PARTS LIST

[Model LS2-B877]

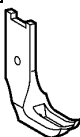
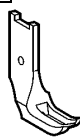
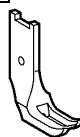
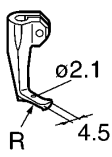
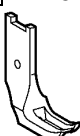
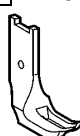
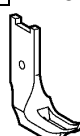
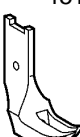

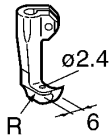
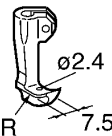
For standard of B877 (Standard parts)

Needle plate 150959-001 	Feed dog 150960-001 	Inner p-foot assy 183181-101 	Walking foot 150962-001 
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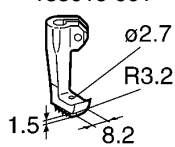
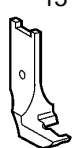
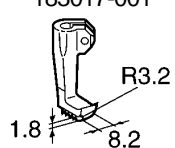

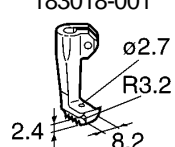
For Thread trimmer of B877 (Standard parts)

Needle plate assy, TR 156374-001 	Feed dog 156376-001 	Inner p-foot assy 183007-201 	Walking foot 150962-001 
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Welting feet

Walking foot		Inner p-foot assy	
3.2 mm   151520-001 	4.0 mm   151522-001 	4.8 mm   151524-001 	183008-001 
6.4 mm   151526-001 	7.9 mm   151528-001 	9.5 mm   151530-001 	
12.7 mm   151532-001 			
15.9 mm   151534-001 			183014-001 
			183015-001 

Welting feet with teeth on inner p-foot assy


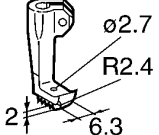

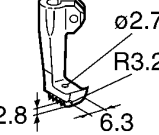

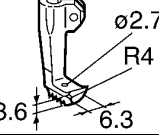
Walking foot	Inner p-foot assy
4.8 mm   151536-001 	183016-001 
6.4 mm   151538-001 	183017-001 
7.9 mm   151540-001 	183018-001 

\* Value in the list is welting width.


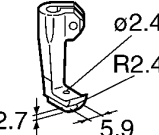

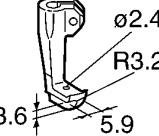

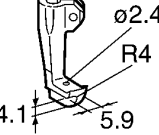

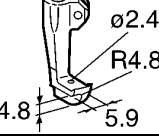

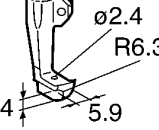
# GAUGE PARTS LIST

[Model LS2-B877]

Welting feet with teeth on inner p-foot assy

Walking foot		Inner p-foot assy
4.8 mm	151542-001 	183019-001 
6.4 mm	151544-001 	183020-001 
7.9 mm	151546-001 	183021-001 

Curved welting feet

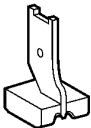
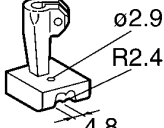
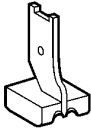
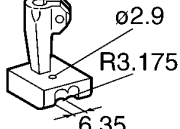
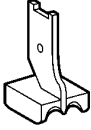
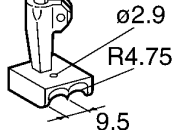
Walking foot		Inner p-foot assy
4.8 mm	151548-001 	183022-001 
6.4 mm	151550-001 	183023-001 
7.9 mm	151552-001 	183024-001 
9.5 mm	151554-001 	183025-001 
12.7 mm	151556-001 	183026-001 

\* Value in the list is welting width.

# GAUGE PARTS LIST

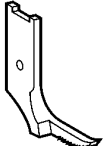
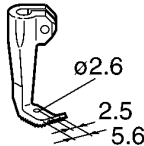
[Model LS2-B877]

## Double welting feet


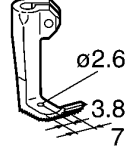
	Walking foot	Inner p-foot assy
4.8 mm	151588-001 	183027-001 
6.4 mm	151560-001 	183028-001 
9.5 mm	151562-001 	183029-001 

\* Value in the list is welting width.

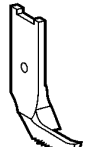
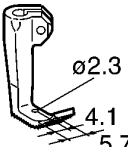
## Feet with teeth, right

Walking foot	Inner p-foot assy
151564-001 	183030-001 

## Feet with teeth, left

Walking foot	Inner p-foot assy
151566-001 	183031-001 

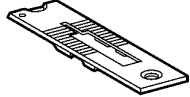
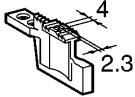

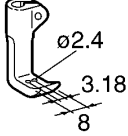

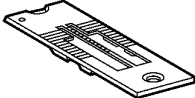
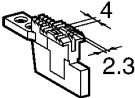

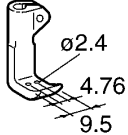

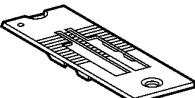
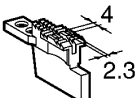

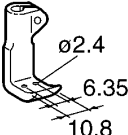
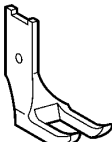
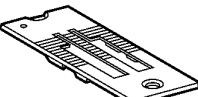
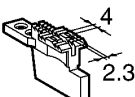

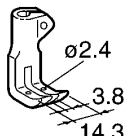
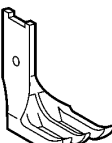
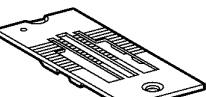
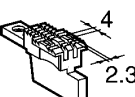

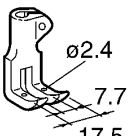
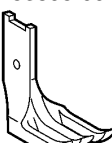
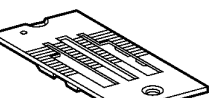
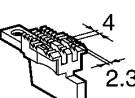

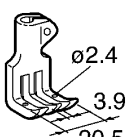
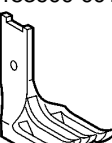
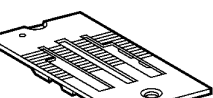
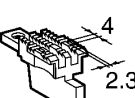

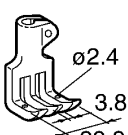
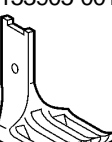

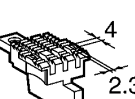

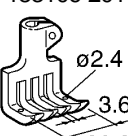
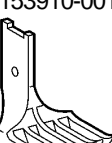
## Narrow type feet for leather

Walking foot	Inner p-foot assy
151568-001 	183032-001 

# GAUGE PARTS LIST

[Model LT2-B878]

For standard of B878

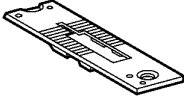
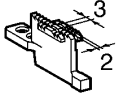
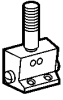
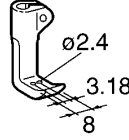
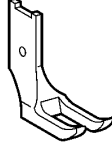
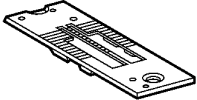
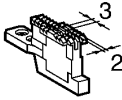
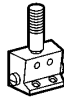
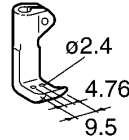
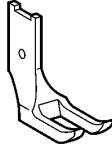
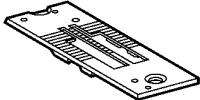
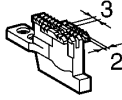
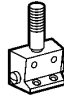
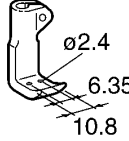
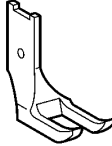
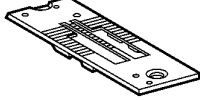
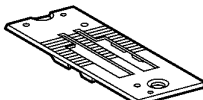
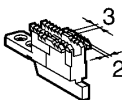
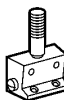
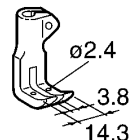
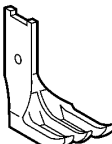
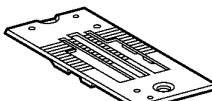
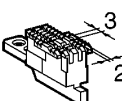
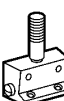
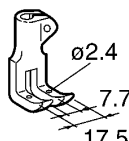
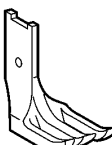
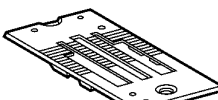
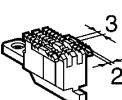
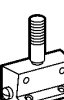
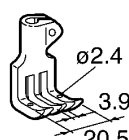
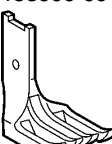
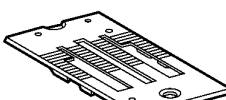
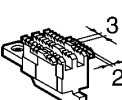
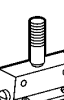
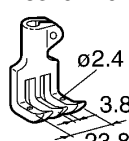
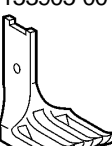
Needle plate		Feed dog	Needle clamp assy	Inner p-foot assy	Walking foot
3.2 mm	158429-001	158430-001	183190-001	183191-201	158431-001
					
4.8 mm	S13585-001	S13588-001	S13628-001	S13629-201	S13587-001
					
6.4 mm	153881-001	153882-001	183095-001	183096-201	153885-001
					
9.5 mm	153886-001	153887-001	183097-001	183098-201	153890-001
					
12.7 mm	153891-001	153892-001	183099-01	183100-201	153895-001
					
15.9 mm	153896-001	153897-001	183101-001	183102-201	153900-001
					
19.1 mm	153901-001	153902-001	183103-001	183104-201	153905-001
					
25.4 mm	153906-001	153907-001	183105-001	183106-201	153910-001
					

\* Value in the list is needle gauge.

# GAUGE PARTS LIST

[Model LT2-B878]

For Thread trimmer of B878

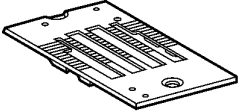
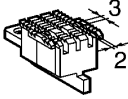

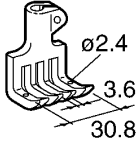
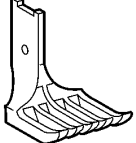
Needle plate		Feed dog	Needle clamp assy	Inner p-foot assy	Walking foot
3.2 mm	S50610-001	S50601-001	183190-001	183191-201	158431-001
					
4.8 mm	S50612-001	S50608-001	S13628-001	S13629-201	S1387-001
					
6.4 mm	S50614-001	S50607-001	183095-001	183096-201	153885-001
					
6.4 mm	S50626-001				
For Kevlar thread					
9.5 mm	S50616-001	S50602-001	183097-001	183098-201	153890-001
					
12.7 mm	S50618-001	S50603-001	183099-001	183100-201	153895-001
					
15.9 mm	S50620-001	S50604-001	183101-001	183102-001	153900-001
					
19.1 mm	S50622-001	S50605-001	183103-001	183104-201	153905-001
					

\* Value in the list is needle gauge.

# GAUGE PARTS LIST

[Model LT2-B878]

For Thread trimmer of B878

Needle plate		Feed dog	Needle clamp assy	Inner p-foot assy	Walking foot
25.4 mm	S50624-001	S50606-001	183105-001	183106-201	153910-001
					

\* Value in the list is needle gauge.