



# Parts Information

Series Buttonholing Machine

Model LBH-1790A Series

Issue No. A15P-009 Issued by Sales technical dept. Data of issue Mar/29/2017

New Parts Number  Replaced  Discontinue  Other

## **List of Gauges for LBH-1790A Series**

[Model]

- LBH-1790A Series

[Description]

This material introduces the gauges broadened in the LBH-1790A Series as a list with images.

Gauge List

- LBH-1790A (Standard type)
- LBH-1790AB (Short thread remaining type)
- LBH-1795A (120mm type)
- LBH-1796A (220mm type)








Other information

- List of sewable areas on a model basis
- List of cloth trimming knife correspondence on a model basis







<LBH-1790A (Standard type)>

	Presser part No.		Presser foot part No.	
Sewing category	Standard (S)	Knit (K)	Common to Standard (S) and Knit (K)	
Reference	 Rubber	 Knurl		
Type 1 (4x25mm)	B1552781000A	D1508771K00A	B15117710A0B (Spring set) B1511771000B (Single item)	
Type 2 (5x35mm)	B1552782000	D1508772K00	13946454 (Spring set) B1511772000A (Single item)	
Type 3 (5x41mm)	B1552783000	D1508773K00	13946553 (Spring set) B1511773000A (Single item)	
	Presser assembly part No.		Needle plate part No.	
Sewing category	Standard (S)		Standard (S)	Knit (K)
Reference				
Type 1 (4x25mm)	B15527810A0A		40027553 (5mmx1.4mm)	40027554 (5mmx1.15mm)
Type 2 (5x35mm)	B15527820A0			
Type 3 (5x41mm)	B15527830A0			
	Feed plate part No.		Timing gauge part No.	
Sewing category	Standard (S)	Knit (K)	Standard (S)	Knit (K)
Reference			 Indication: 79NS1 1: 12.0mm 2: 14.5mm	 Indication: 791K 1: 11.3mm 2: 14.3mm
Type 1 (4x25mm)	40004205		13943402	13782107
Type 2 (5x35mm)				
Type 3 (5x41mm)				
	Hook part No.			
Sewing category	Standard (S)		Knit (K)	
Sewing area (Horizontal x Vertical)	 Indication: J791		 Indication: J791	
Type 1 (4x25mm)	13729066		13782065	
Type 2 (5x35mm)				
Type 3 (5x41mm)				







<LB-1790AB (Short thread remaining type)>

	Presser part No.	Presser foot part No.
Sewing category	Standard (S)	Knit (K)
Reference	 Presser rubber dedicated to AB	 Compatible with A
Type 1 (4x25mm)	40160113	B15117710A0B (Spring set) B1511771000B (Single item)
Type 2 (5x35mm)		
Type 3 (5x41mm)		
	Needle plate part No.	Feed plate part No.
Sewing category	Standard (S)	Standard (S)
Reference	 Needle plate dedicated to AB	 Feed plate dedicated to AB
Type 1 (4x25mm)	40153019	40160114
Type 2 (5x35mm)	(5mmx1.4mm)	
Type 3 (5x41mm)		
	Timing gauge part No.	Hook part No.
Sewing category	Standard (S)	Standard (S)
Reference	 Indication: None 1: 12.4mm 2: 14.9mm	 Indication: J791
Type 1 (4x25mm)	40152575	13729066
Type 2 (5x35mm)		
Type 3 (5x41mm)		
	Spacer part No.	
Reference	 Spacer thickness: 1mm	
Remarks	The flat-type needle plate needs a spacer. Caution: Compatible with LBH-1790A if the AB-type spacer is removed (presser, needle plate, feed plate). However, it is necessary to change the model setting on the memory to LBH-1790A because the needle entry/knife distance is different from that of the standard model.	

<LBH-1795A (120mm type)>

	Presser part No.		Presser foot part No.
Sewing category	120mm		120mm
Reference	 Rubber dedicated to LBH-1795A		 Dedicated to LBH-1795A 1 to 3 types pressers mountable
Type 5 (5x120mm)	40160113		40008646 (Spring set) 40008647 (Single item)
	Needle plate part No.		Presser assembly part No.
Sewing category	Standard (S)	Knit (K)	120mm
Reference	 Compatible with A	 Compatible with A	 Dedicated to LBH-1795A
Type 5 (5x120mm)	40027553	40027554	40006339
	Timing gauge part No.		
Sewing category	Standard (S)	Knit (K)	
Reference	 Indication: 79NS1 1: 12.0mm 2: 14.5mm	 Indication: 791K 1: 11.3mm 2: 14.3mm	
Type 5 (5x120mm)	13943402	13782107	
	Hook part No.		
Sewing category	Standard (S)		Knit (K)
Reference	 Indication: J791		 Indication: J791
Type 5 (5x120mm)	13729066		13782065

<LBH-1796A (220mm type)>

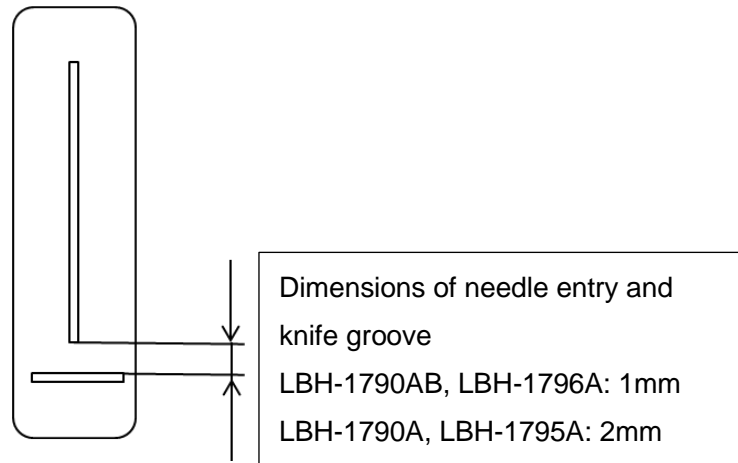
	Presser part No.	Presser foot part No.	
Sewing category	220mm	220mm	
Reference	 Dedicated to LBH-1796A Knurl	 Presser foot dedicated to LBH-1796A only	
Type 5 (4x220mm)	40156767	- (Spring set) 40152587 (Single item)	
	Needle plate part No.	Feed plate part No.	
Sewing category	Standard (S)	Standard (S)	Knit (K)
Reference	 Dedicated to LBH-1796A	 Dedicated to LBH-1796A	
Type 5 (4x220mm)	40156792 (4mmx1.4mm)	40156791	
	Timing gauge part No.	Hook part No.	
Sewing category	Standard (S)	Standard (S)	
Reference	 Indication: 79NS1	 Indication: J791	
Type 5 (4x220mm)	13943402	13729066	
	Spacer part No.		
Reference	 Spacer thickness: 1mm		
Remarks	The flat-type needle plate needs a spacer.		

< List of sewable areas on a model basis >

	Factory-set sewable area	Maximum sewable area	Frame	Other gauges
LBH-1790A	4mm×25mm (Type 1)	10mm×135mm	Common frame	•5mm×35mm (Type 2)
LBH-1790AB	4mm×25mm (Type 1)	10mm×135mm		•5mm×41mm (Type 3)
LBH-1795A	5mm×120mm (Type 5)	10mm×135mm		•5mm×70mm •10mm×41mm
LBH-1796A	4mm×220mm (Type 5)	5mm×	Dedicated frame	

\* The frames of the LBH-1790A, LBH-1790AB and the LBH-1795A are the same. Therefore, it is possible to modify the specification by changing the parts.

Caution: When exchanging the needle plates between the LBH-1790A and the LBH-1790AB, it is necessary to perform the model setup work in the memory because the distance between the needle entry and the knife is different from the standard mode.



\* The LBH-1796A is equipped with its special frame and not compatible with the LBH-1790A, LBH-1790AB nor the LBH-1795A. Therefore, it is not possible to modify the specification such as mounting the presser types 1 through 3.

\* The timing gauge of the LBH-1790A is different from that of the LBH-1790AB. This is because the length of the timing gauge is changed according to the thickness of the needle plate. The basic timing of the needle and the hook is the same.

\* If the feed width exceeds 5mm on the LBH-1790A, it is necessary to replace the presser arm and the oil shield. (For details, see Special specification-related 2 in Parts Book.)

\* If the feed direction exceeds 41mm on the LBH-1790A, it is necessary to replace the presser arm. (For details, see Special specification-related 2 in Parts Book.)

\* The non-lubrication specification can be mounted regardless of model/specification. For modification, replace the following three parts.

1) RP hook: Part No. 40006345

2) RP bobbin case: Part No. 40006349

3) Hook joint: Part No. 13729603

Caution: The maximum rpm of a non-lubrication hook is restricted to 3300sti/min.

< List of cloth trimming knife correspondence on a model basis >

\* Maximum knife size on a model basis

	Restriction by the needle plate	Restriction by the presser	Maximum knife size	Remarks
LBH-1790A	31.8mm	22.2mm	22.2mm	31.8mm at the maximum when the presser type 3 (41mm) or higher is used
LBH-1790AB	25.4mm	22.2mm	22.2mm	
LBH-1795A	31.8mm	31.8mm	31.8mm	
LBH-1796A	25.4mm	31.8mm	25.4mm	

\* The maximum size supported is determined by the restrictions by the needle plate and the presser.

\* List of knife size

Knife size	mm notation	Part No.	Remarks
1/4	6.4mm	B2702047F00	
3/8	9.5mm	B2702047K00A	
7/16	11.1mm	B2702047I00	
1/2	12.7mm	B2702047L00A	Knife factory-mounted onto the LBH-1790A series
9/16	14.3mm	B2702047V00	
5/8	15.9mm	B2702047M00A	
11/16	17.5mm	B2702047N00	
3/4	19.1mm	B2702047F00	
7/8	22.2mm	B2702047P00	
1	25.4mm	B2702047Q00A	
1-1/4	31.8mm	B2702047S00A	LBH-1790AB/LBH-1796A not supported.

E.O.F.