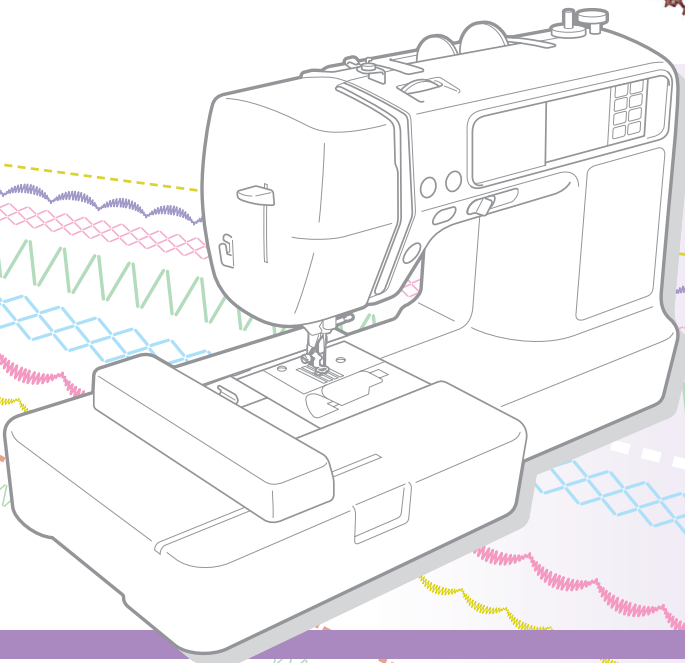
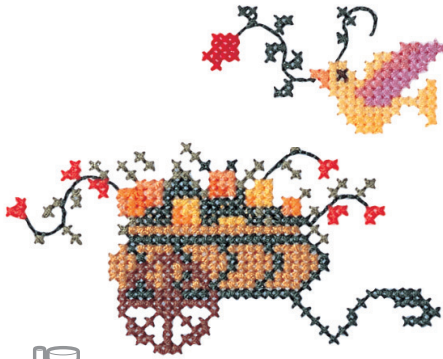
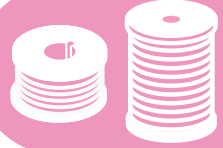


brother®

# Quick Reference Guide

## 간편한 조작 설명서



**Refer to the operation manual for detailed instruction.**

Also, there are differences in the keys and screens depending on the display language. In this guide, English screens are used for basic explanations.

**자세한 사항은 사용 설명서를 참고하십시오.**

이 설명서는 영어 화면을 기본으로 설명하고 있습니다.

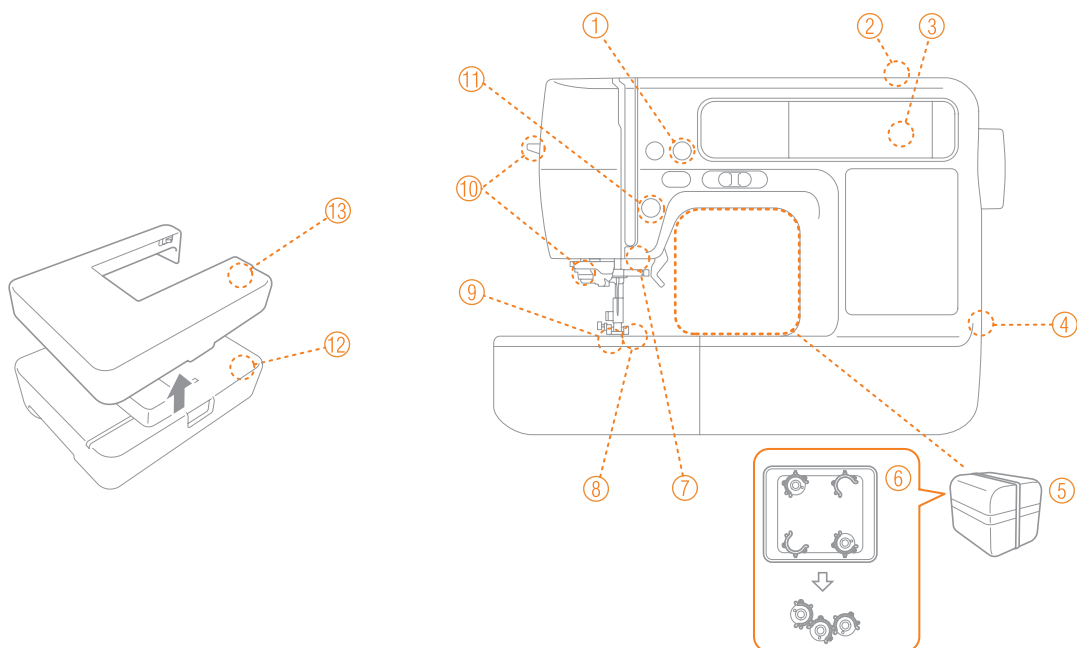


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## Machine Features



- ① **Automatic thread cutting:** The thread can be cut automatically after sewing.
- ② **Fast bobbin winding system:** With the fast and simple bobbin winder, you can wind bobbins with one press of a button.
- ③ **Built-in stitches:** You can select from the built-in stitches available, including utility stitches and decorative stitches.
- ④ **USB port:** Various embroidery patterns on the website or saved in your PC become available by using the USB cable.
- ⑤ **Accessory case:** You can store the accessory case inside the arm of the machine as shown in the figure. Presser foot, bobbins, a seam ripper, etc. can be stored in this case.
- ⑥ **Bobbin clip:** You can use the bobbin clip to prevent the end of the thread wound onto the bobbin from loosening. Bobbin clips can be stored inside of the accessory case cover.
- ⑦ **Bright light:** The convenient LED lamp makes it easy to work on dark fabrics.
- ⑧ **Seven-point feed dogs:** Ensure smooth, even feeding of multiple fabric layers and a variety of fabric weights.
- ⑨ **Quick-set bobbin:** You can start sewing without pulling up the bobbin thread.
- ⑩ **Easy-to-use needle threader:** You can thread the needle easily by one press of a lever.
- ⑪ **Lighting Start/Stop button:** When the green light is on, the machine is ready to sew. A red or orange light indicates an error or that the machine is warming up.
- ⑫ **Embroidery:** You can embroider built-in embroidery patterns, alphanumeric characters, framed decorations, and designs from optional embroidery cards.
- ⑬ **Extension table (Cover of the embroidery unit):** You can use the cover of the embroidery unit as the extension table when you sew a large material.

- ① **자동 실 끊기** : 실은 바느질 후 자동으로 자를 수 있습니다.
- ② **빠른 보빈 감기 시스템** : 빠르고 간편한 보빈 감기로 버튼을 한번 누르면 보빈을 감을 수 있습니다.
- ③ **내장된 스티치** : 이용할 수 있는 내장된 응용 스티치와 장식 스티치를 선택할 수 있습니다.
- ④ **USB 포트** : 웹사이트나 당신의 PC에 저장된 다양한 자수 패턴을 USB 케이블을 이용하여 사용할 수 있습니다.
- ⑤ **악세서리 케이스** : 그림에 보여진 기계의 안쪽에 악세서리 케이스를 저장할 수 있습니다. 발판, 보빈, 슬기 톱 등 케이스에 저장할 수 있습니다.
- ⑥ **보빈 클립** : 실 끝이 실타래에 느슨하게 감기는 것을 방지하기 위해 보빈 클립을 사용할 수 있습니다.
- ⑦ **전구** : 편리한 LCD 램프는 어두운 천에서 작업하는 것을 쉽게 합니다.
- ⑧ **노루발** : 다수의 천 레이어와 여러 가지의 천이 들어가는 것을 부드럽게 합니다.
- ⑨ **빠른 밀실 세팅** : 밀실을 끌어올릴 필요 없이 바느질을 시작 할 수 있습니다.
- ⑩ **바늘에 쉽게 실 꿰기** : 레버를 한번 누르면 바늘에 쉽게 실을 꿰 수 있습니다.
- ⑪ **시작/멈춤 버튼 불 켜기** : 녹색 불이 켜있을 때 기계는 바느질 할 준비가 되어있습니다. 빨간 불 또는 오렌지 불이 켜있을 때는 오류를 나타내거나 또는 기계가 워밍업 중입니다.
- ⑫ **자수** : 내장된 자수 패턴, 알파벳 문자, 테두리가 있는 장식물 그리고 옵션의 자수카드 디자인으로 수놓을 수 있습니다.
- ⑬ **확장 테이블(자수 유닛 커버)** : 큰 재료를 바느질할 때 확장 테이블로 자수 유닛 커버를 사용할 수 있습니다.

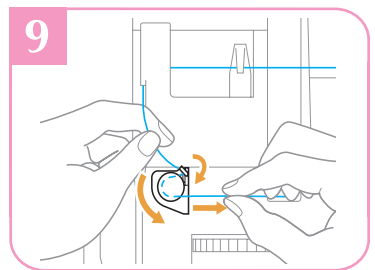
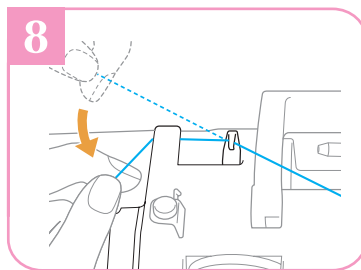
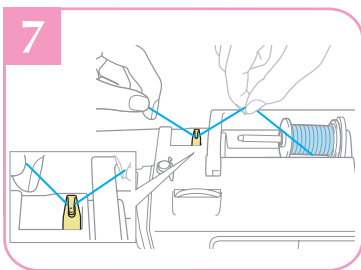
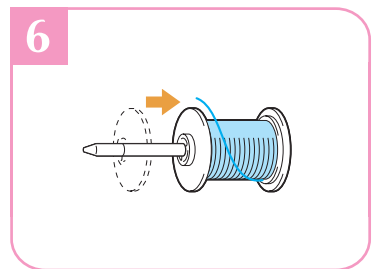
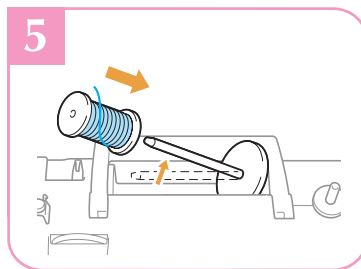
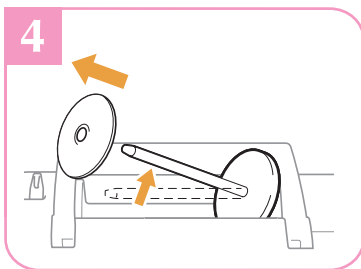
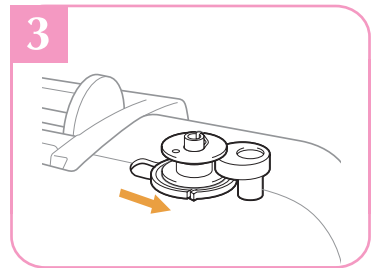
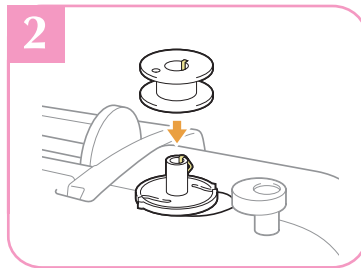
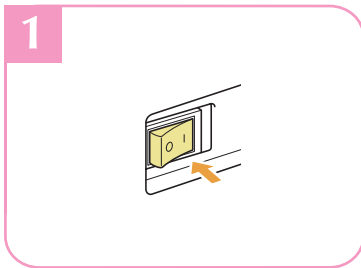
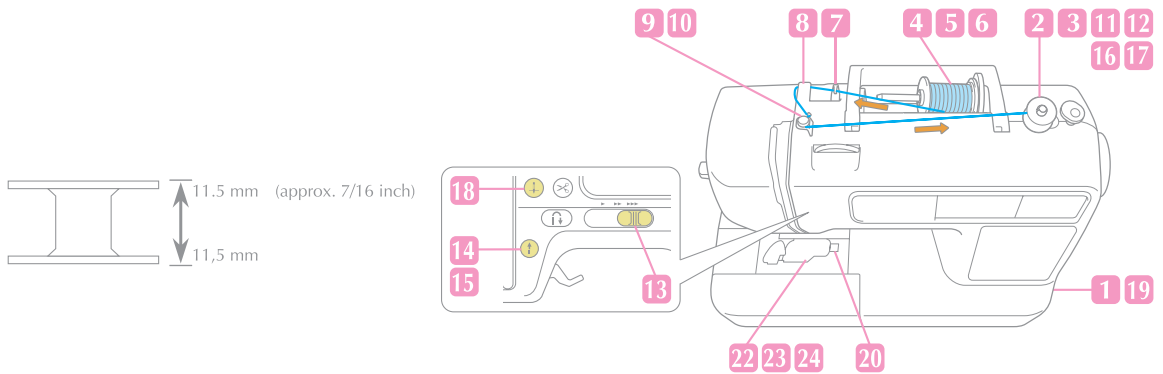
# Bobbin Winding and Setting

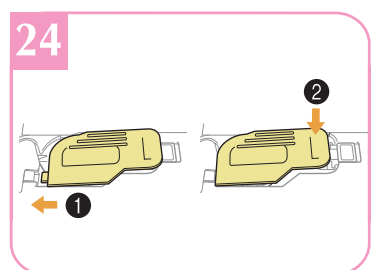
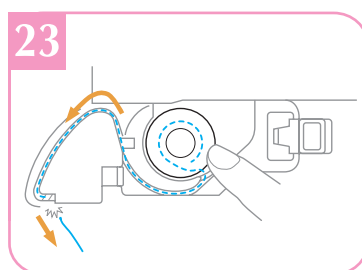
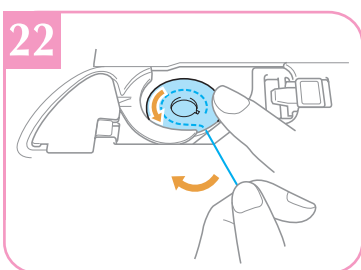
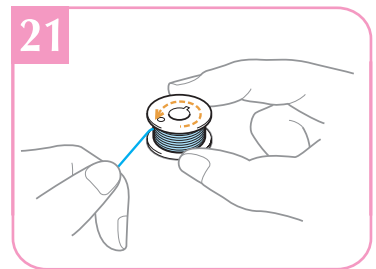
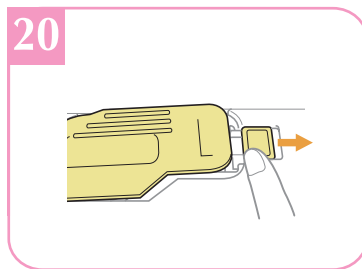
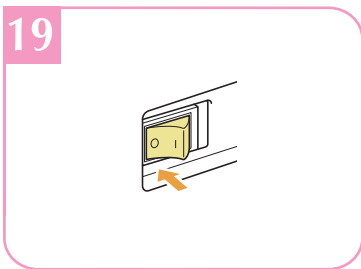
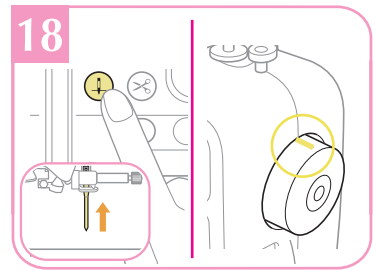
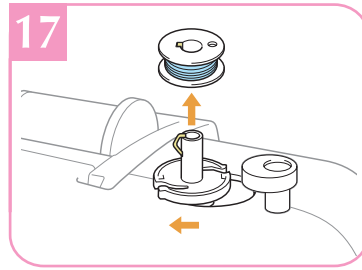
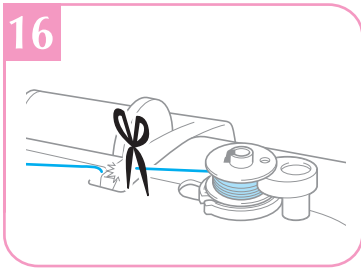
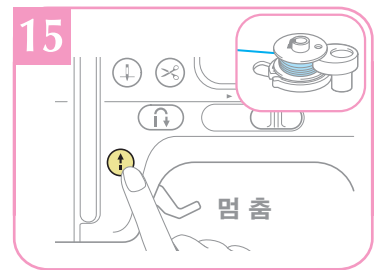
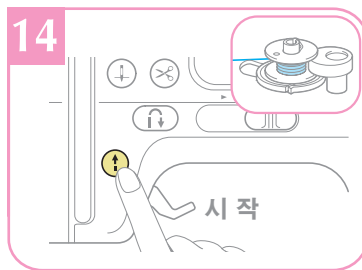
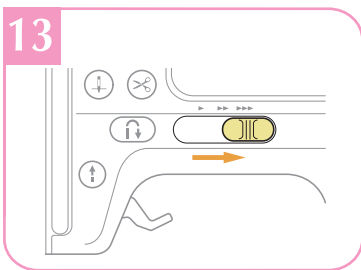
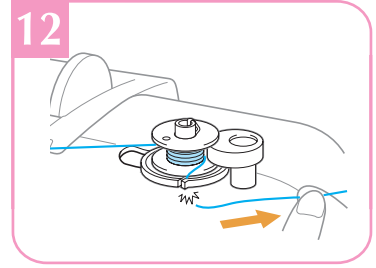
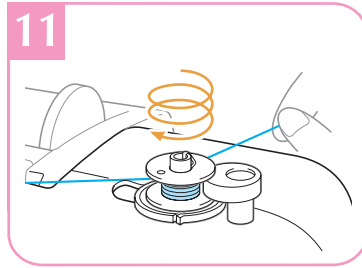
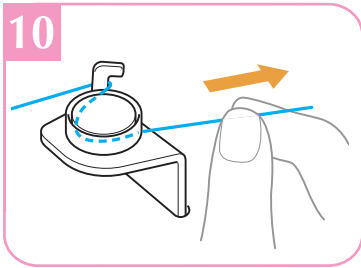
## 실토리 감기와 설치



Follow the numbered steps below in order. Refer to the operation manual for detailed instruction.  
Use only the enclosed bobbin or bobbins of the same type.

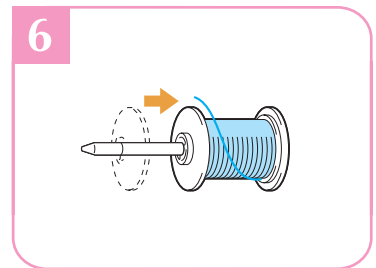
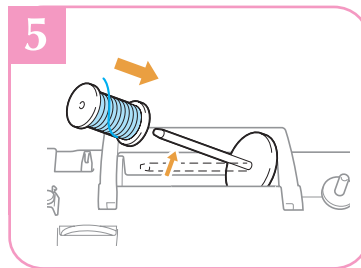
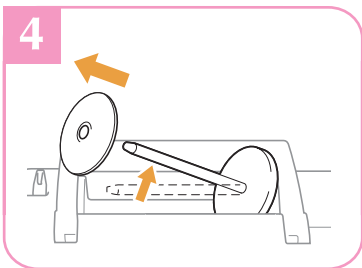
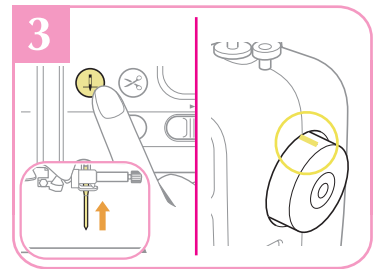
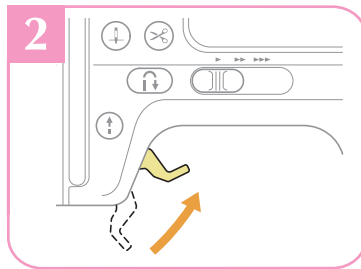
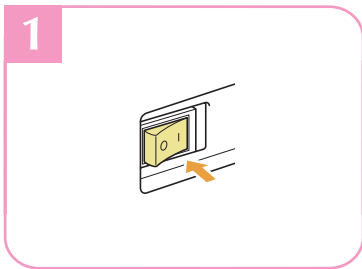
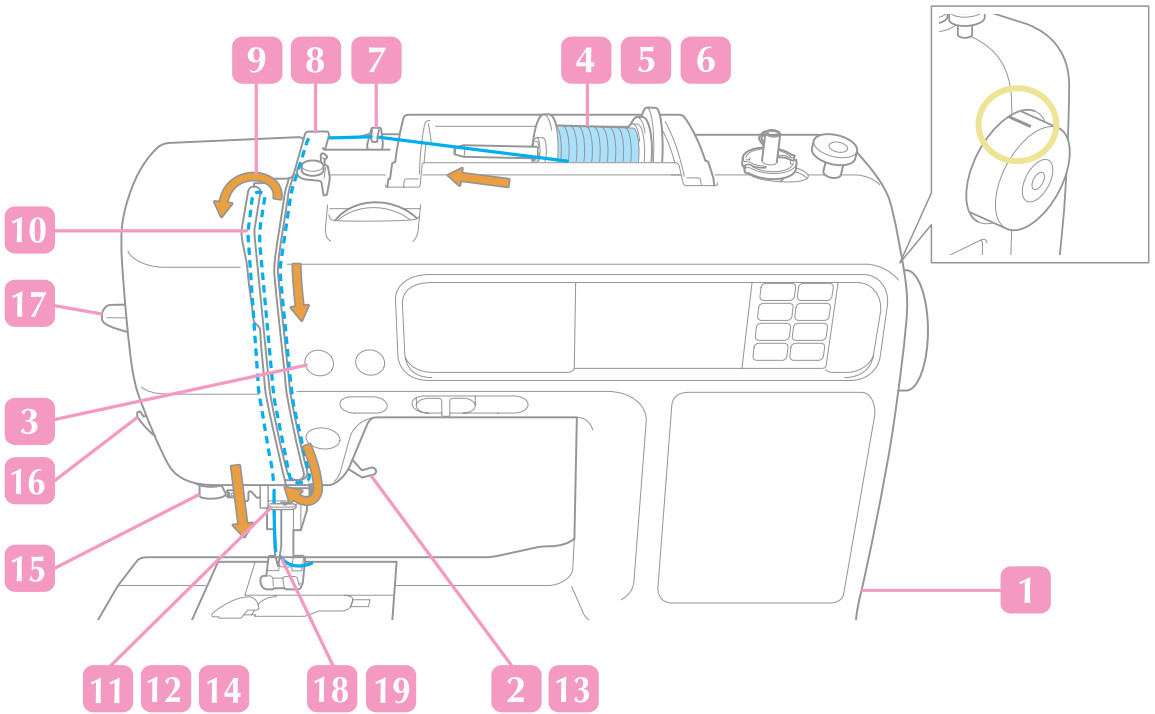
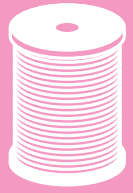
아래에 정리된 순번을 따르시오. 자세한 사항은 사용 설명서를 참고하십시오.  
동봉된 실토리 또는 같은 타입의 실토리만 사용하십시오.

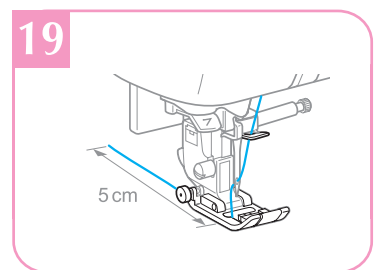
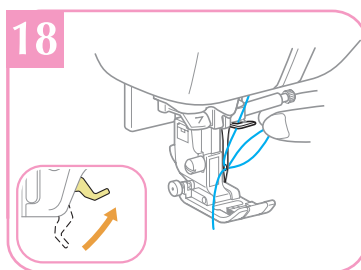
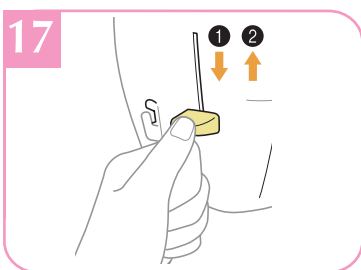
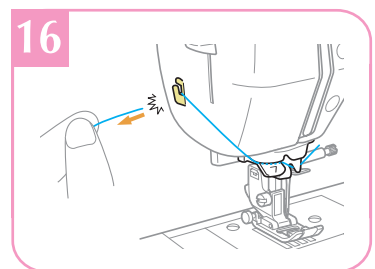
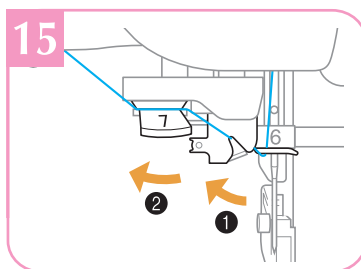
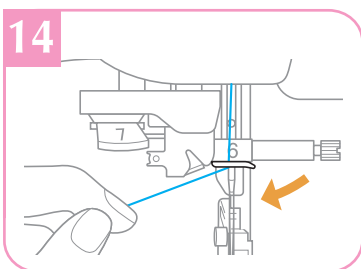
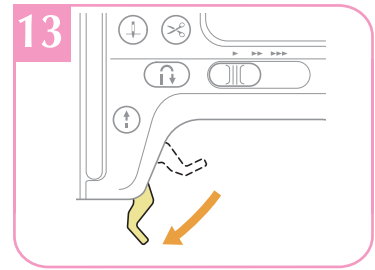
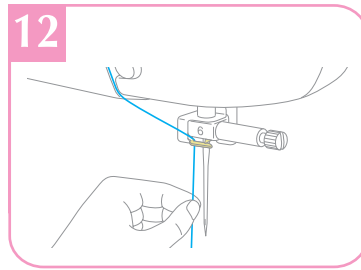
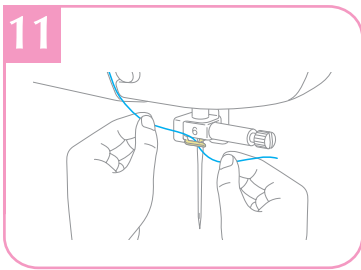
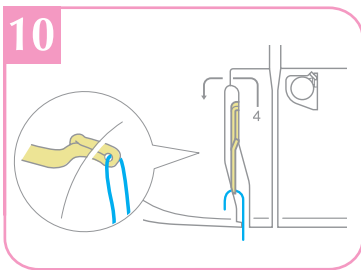
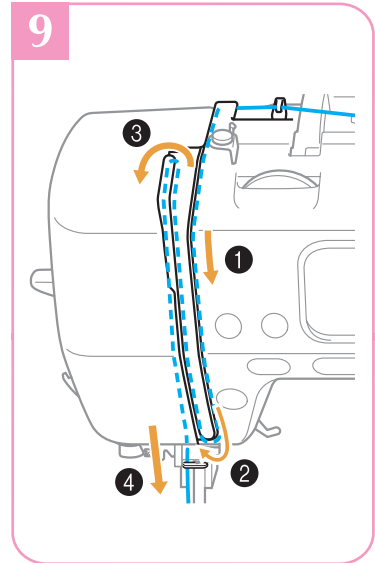
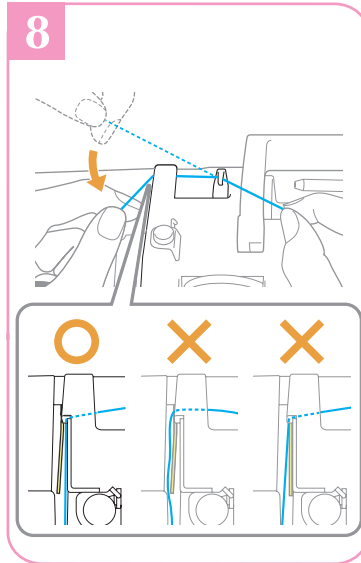
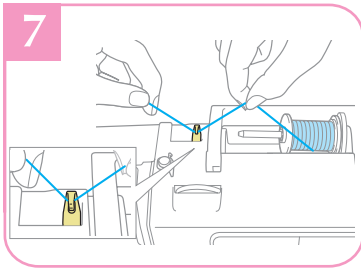




# Upper Threading

## 윗실 감기



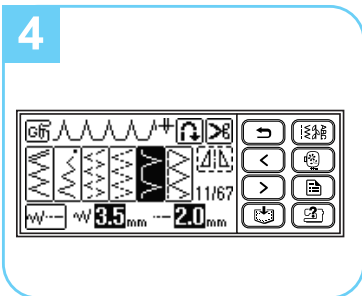
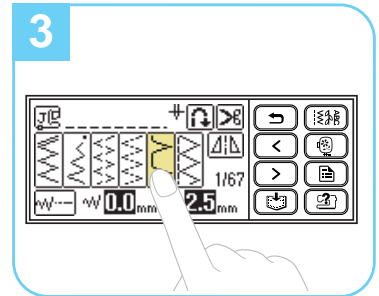
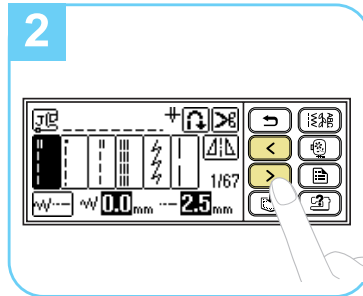
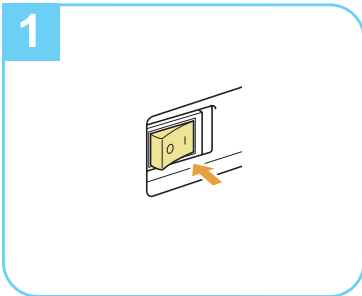


# Selecting Stitch Patterns

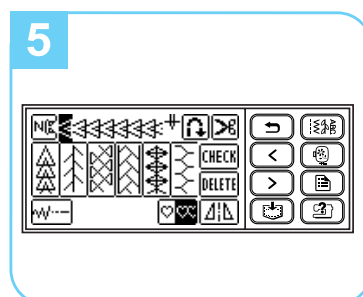
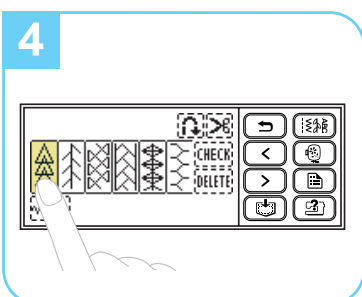
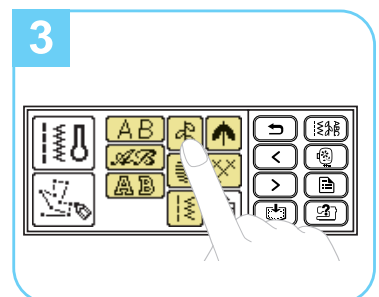
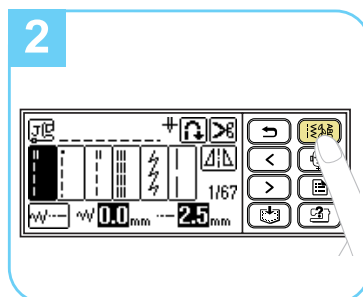
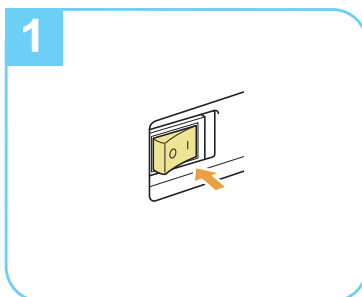
## 스테치 패턴 선택



### ◆ Utility Stitches 응용 스테치



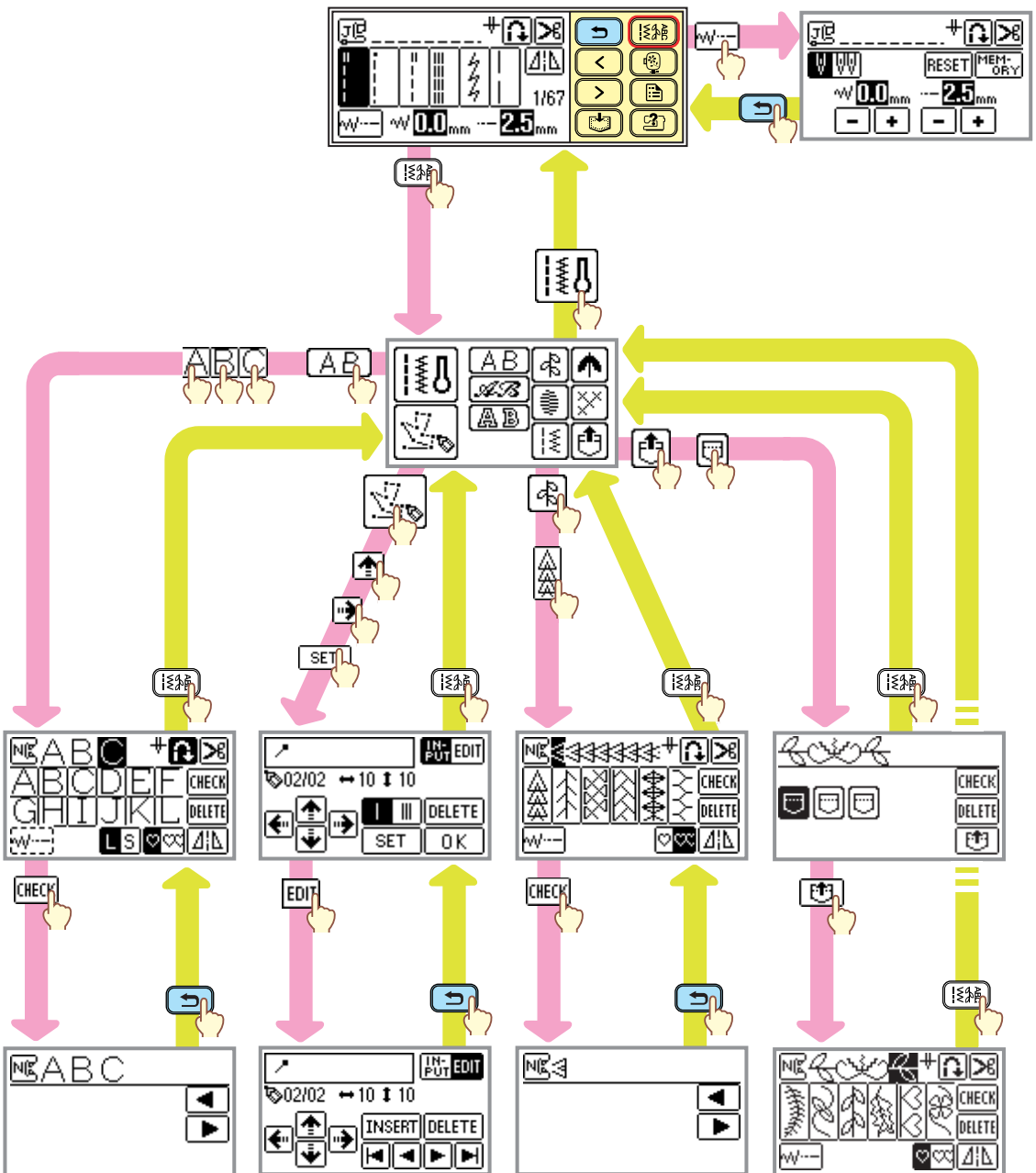
### ◆ Other Stitches 기타 스테치





# LCD Flow Chart

## LCD 순서 표

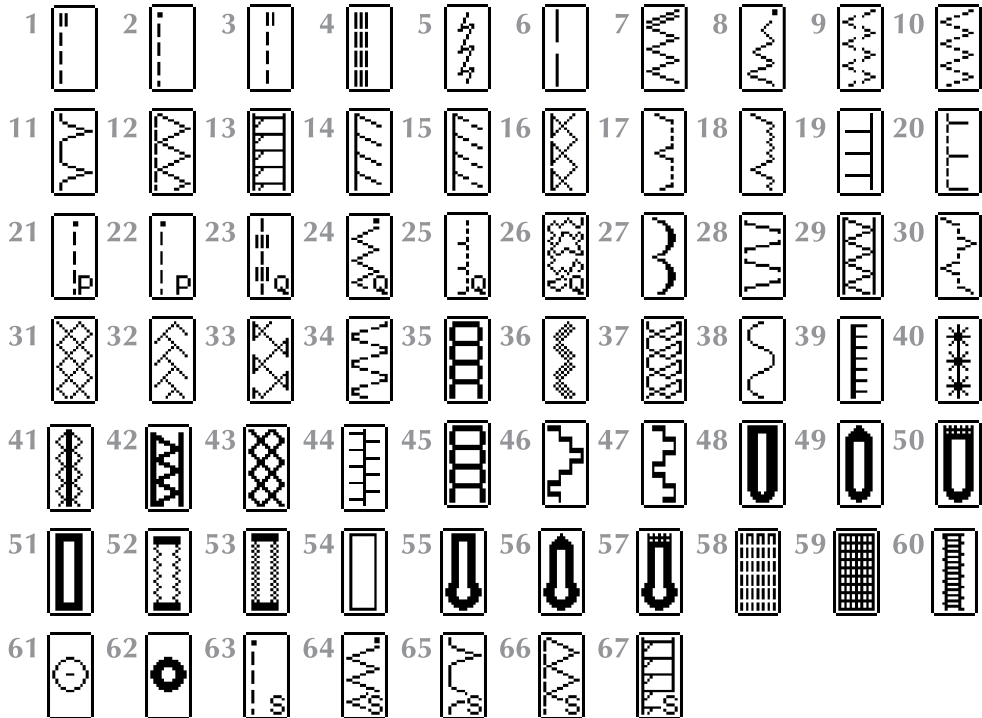


# Summary of Stitch Patterns

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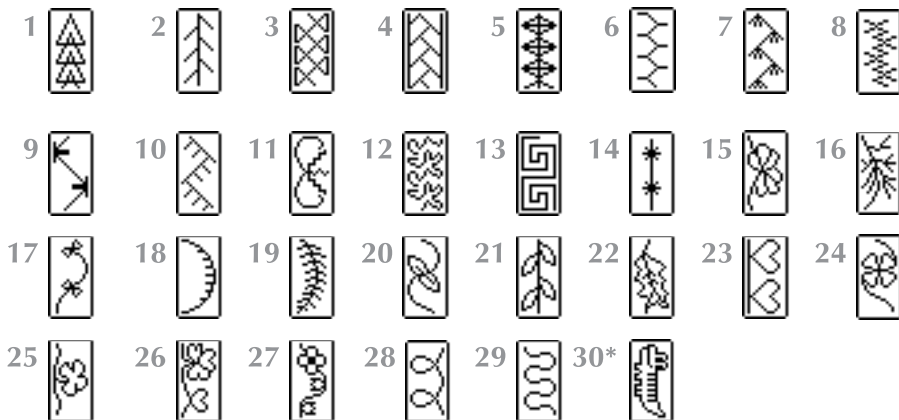
### ◆ Utility Stitches 응용 스테치



### ◆ Other Stitches 기타 스테치



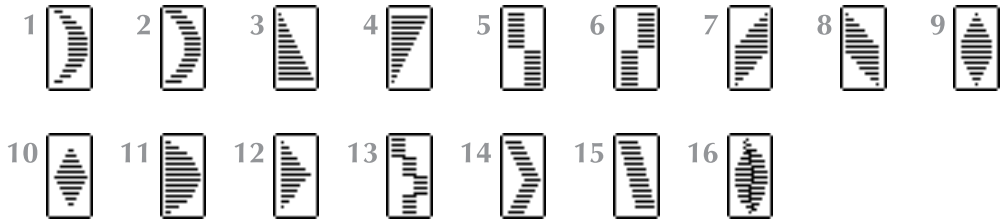
### ■ Decorative stitches 장식 스테치



\* Pattern for making adjustment



■ Satin stitches 세틴 스테치



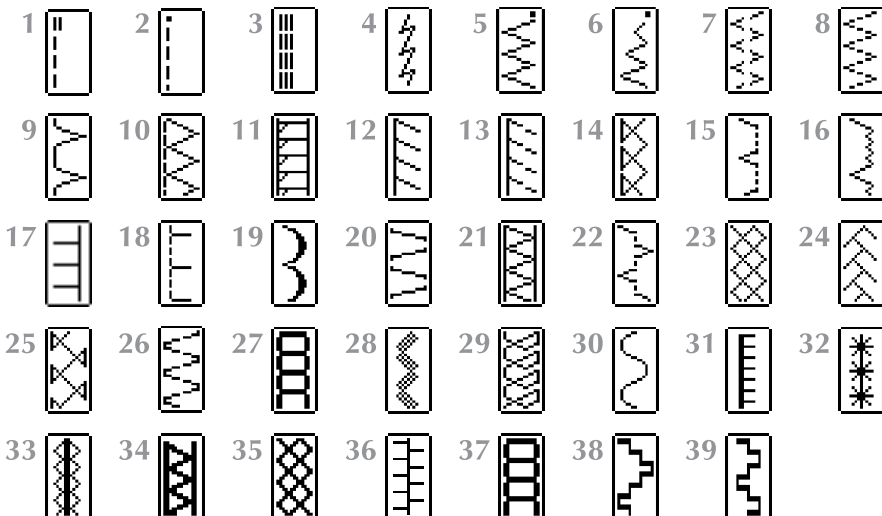
■ Cross-stitches 십자수 스테치



■ Decorative Satin stitches 장식 세틴 스테치



■ Combined Utility Stitches 결합된 응용 스테치



## Summary of Stitch Patterns

### 시테치 패턴 요약

#### ◆ Character Stitches 문자 스테치

##### ■ Gothic font 고딕 폰트

ABCDEFGHIJKLMNOPQRS  
 TUVWXYZ  
 0123456789  
 &?!-\_( ) ' . ,  
 ÄÅÆÑÖØÇÜß

##### ■ Script font 스크립 폰트

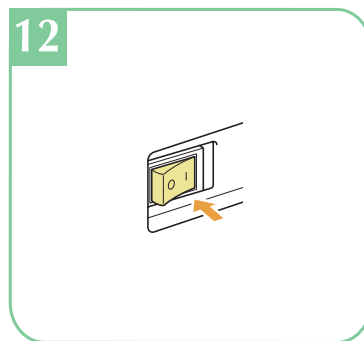
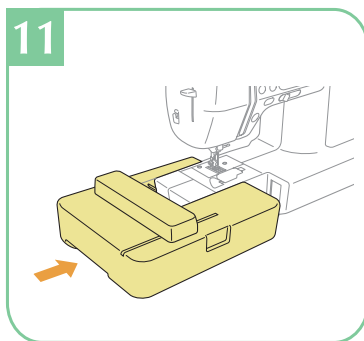
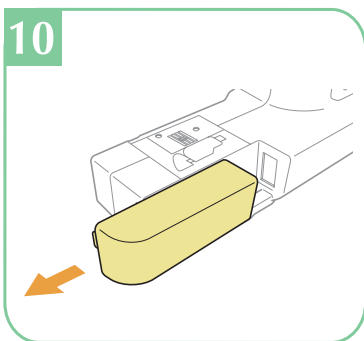
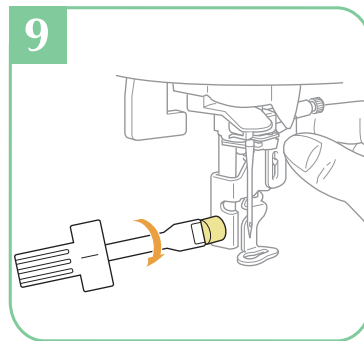
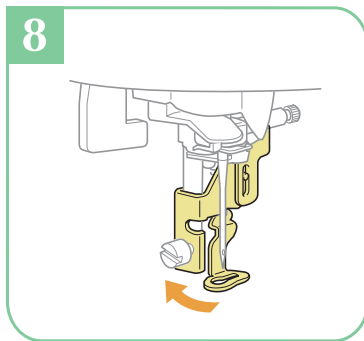
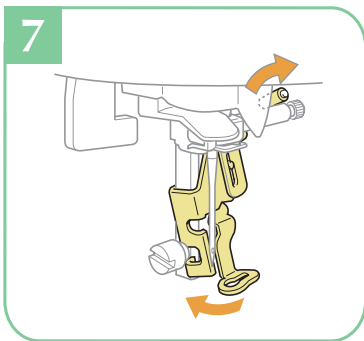
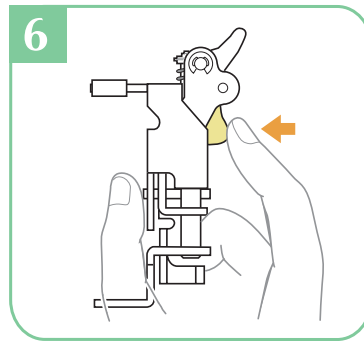
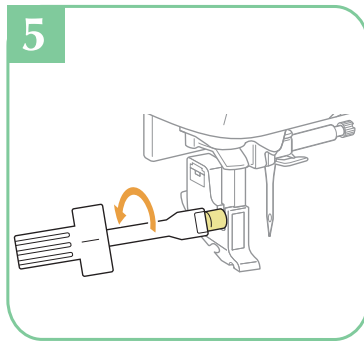
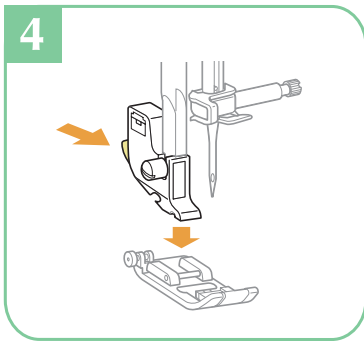
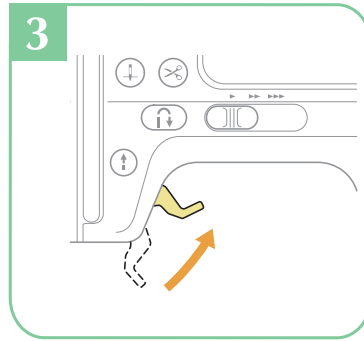
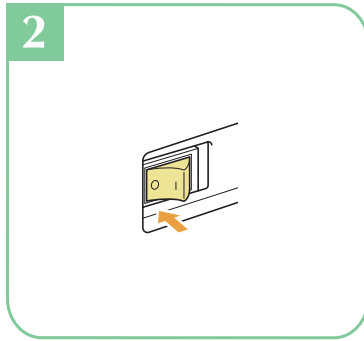
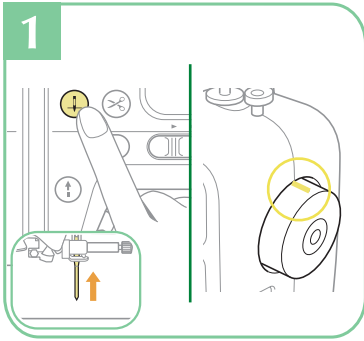
*ABCDEFGHIJKLMNOPQRS  
 TUVWXYZ  
 0123456789  
 &?!-\_( ) ' . ,  
 ÄÅÆÑÖØÇÜß*

##### ■ Outline style 아웃라인 스타일

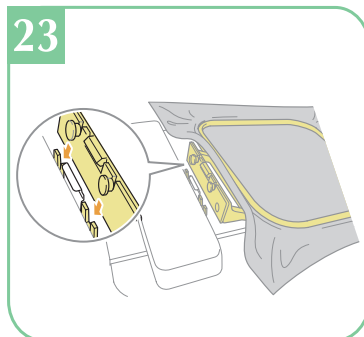
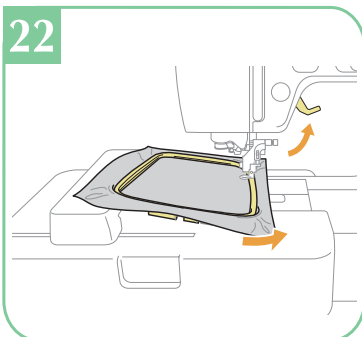
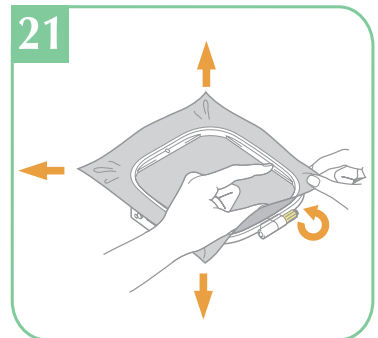
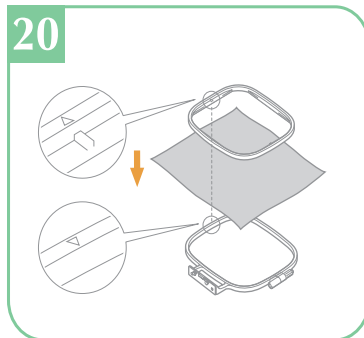
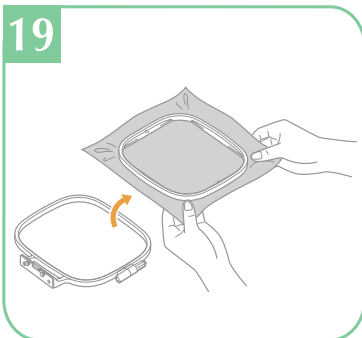
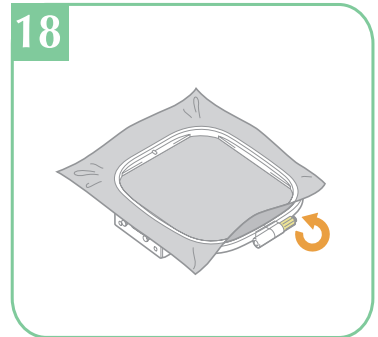
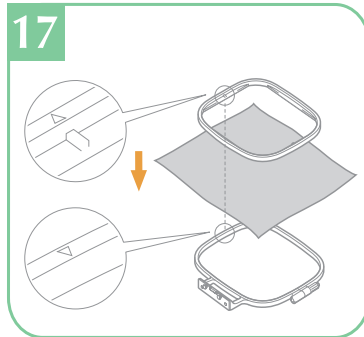
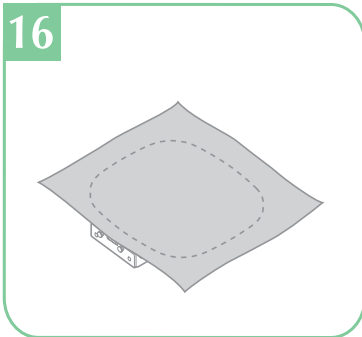
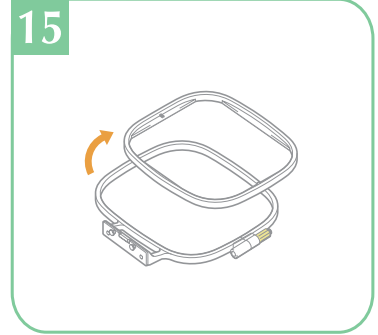
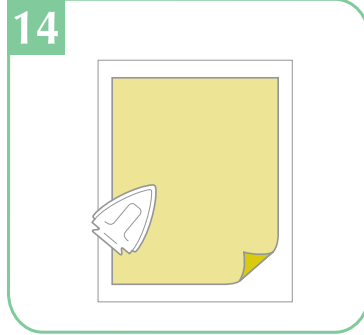
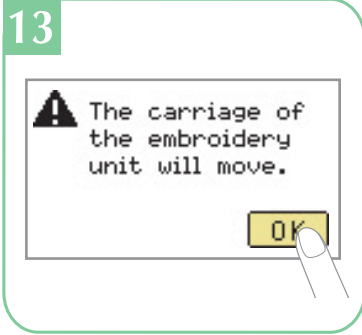
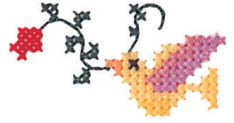
ABCDEFGHIJKLMNOPQRS  
 TUVWXYZ  
 0123456789  
 &?!-\_( ) ' . ,  
 ÄÅÆÑÖØÇÜß

# Preparing to Embroider

## 자수 놓기 준비

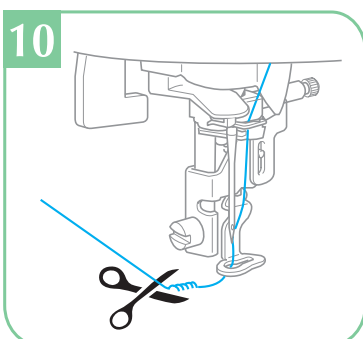
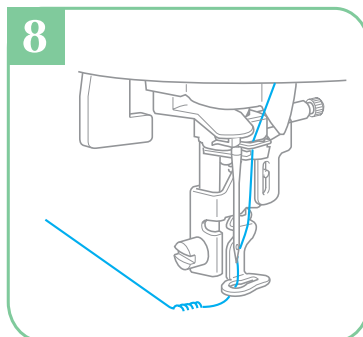
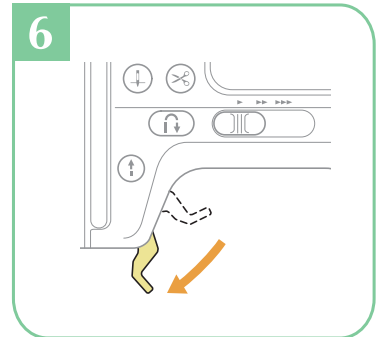
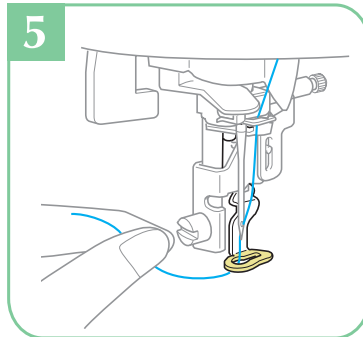
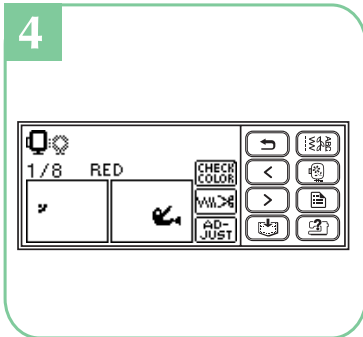
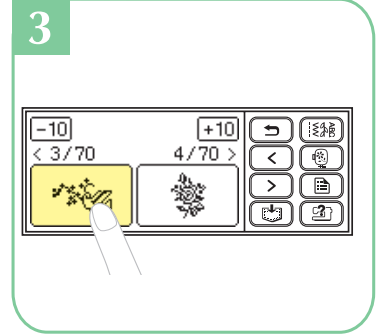
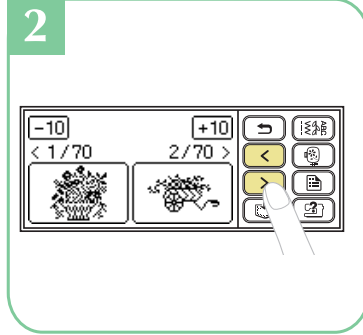
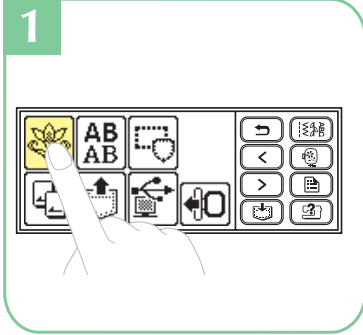


Preparing to Embroider  
자수 놓기 준비



# Selecting Embroidery Patterns

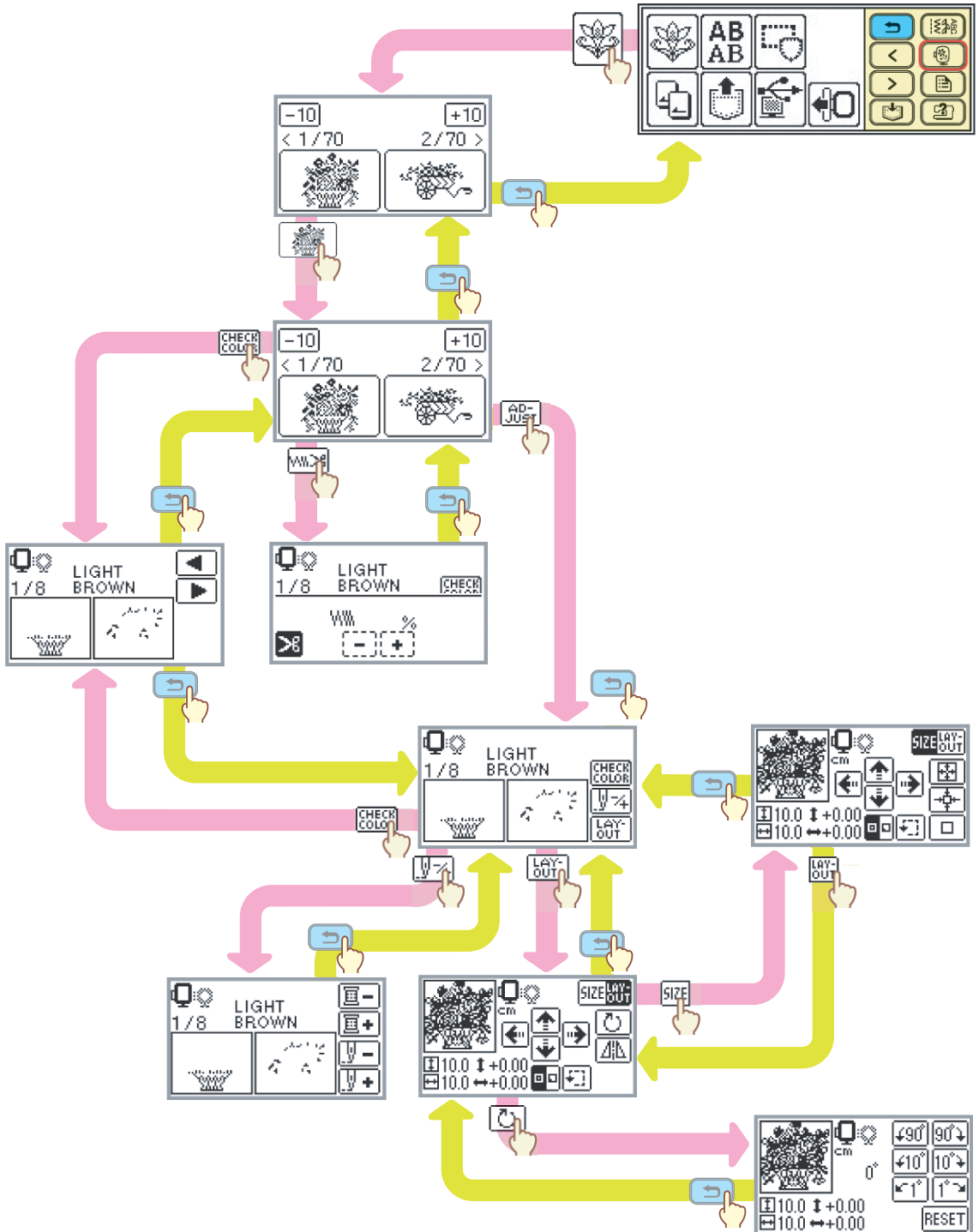
## 자수패턴 선택



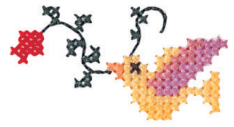
# LCD Flow Chart

## LCD 순서 표

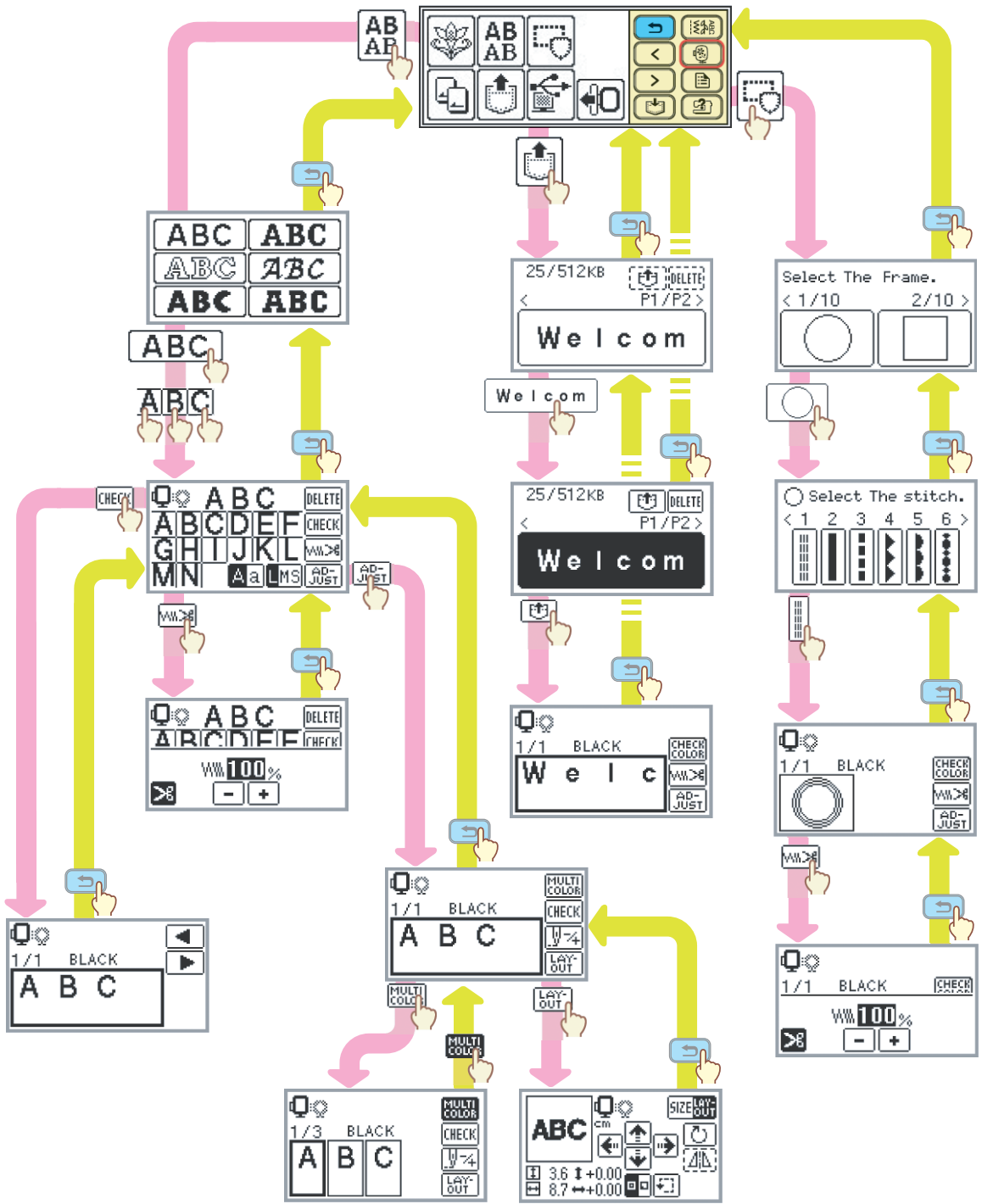
### ◆ Embroidery Patterns 자수 패턴







◆ Other Patterns 자수 패턴





AB  
AB

ABC

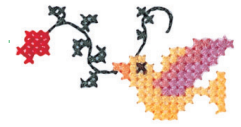
A B C D E F G H I J K L M N O P Q R S  
 T U V W X Y Z  
 a b c d e f g h i j k l m n o p q r s  
 t u v w x y z  
 0 1 2 3 4 5 6 7 8 9  
 & ? ! - \_ ) ' , /  
 Ä Å Æ Æ Ñ Ö Ø Ç Ü  
 ä à á â æ ë è é ê ñ ö ò ø ì ç ü ù ß

ABC

A B C D E F G H I J K L M N O P Q R S  
 T U V W X Y Z  
 a b c d e f g h i j k l m n o p q r s  
 t u v w x y z  
 0 1 2 3 4 5 6 7 8 9  
 & ? ! - \_ ) ' , /  
 Ä Å Æ Æ Ñ ö Ø ç ü  
 ä à á â æ ë è é ê ñ ö ò ø ì ç ü ù ß

ABC

A B C D E F G H I J K L M N O P Q R S  
 T U V W X Y Z  
 a b c d e f g h i j k l m n o p q r s  
 t u v w x y z  
 0 1 2 3 4 5 6 7 8 9  
 & ? ! - \_ ( ) ' , /  
 Ä Å Æ Æ Ñ ö Ø ç ü  
 ä à á â æ ë è é ê ñ ö ò ø ì ç ü ù ß



ABC

A B C D E F G H I J K L M N O P Q R S  
T U V W X Y Z  
a b c d e f g h i j k l m n o p q r s  
t u v w x y z  
0 1 2 3 4 5 6 7 8 9  
& ? ! - \_ ( ) ' . , /  
Ä Å Â Æ Ñ Ö Ø Ç Ü  
ä å â ã ä æ è é ê ñ ö ø ð ñ ç ü ù ß

ABC

A B C D E F G H I J K L M N O P Q R S  
T U V W X Y Z  
a b c d e f g h i j k l m n o p q r s  
t u v w x y z  
0 1 2 3 4 5 6 7 8 9  
& ? ! - \_ ( ) ' . , /  
Ä Å Â Æ Ñ Ö Ø Ç Ü  
ä å â ã ä æ è é ê ñ ö ø ð ñ ç ü ù ß

ABC

A B C D E F G H I J K L M N O P Q R S  
T U V W X Y Z  
a b c d e f g h i j k l m n o p q r s  
t u v w x y z  
0 1 2 3 4 5 6 7 8 9  
& ? ! - \_ ( ) ' . , /  
Ä Å Â Æ Ñ Ö Ø Ç Ü  
ä å â ã ä æ è é ê ñ ö ø ð ñ ç ü ù ß

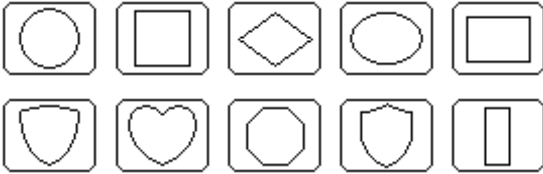


# Frame Patterns

## 프레임 패턴



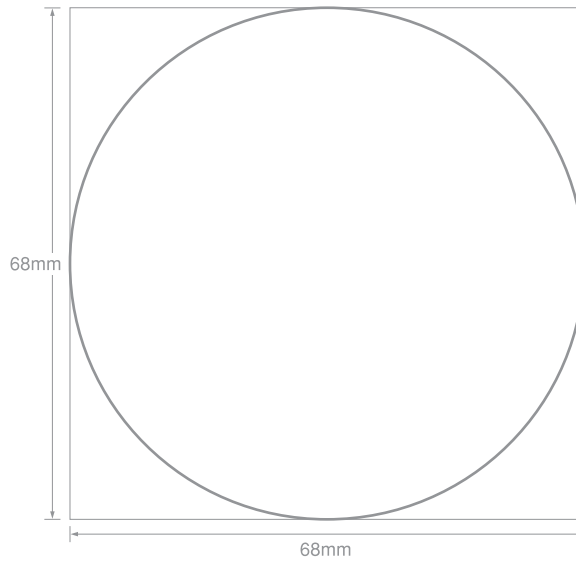
### ■ Frame shapes 프레임 모양



### ■ Stitches 스테치



### ■ Sample at actual size 실 사이즈 샘플



# Embroidery Pattern Color Change Table

## 자수 패턴 색상 변경 표



**No.1** **25 min** Time required for embroidering  
자수 놓기 위해 필요한 시간

Order to embroider  
자수 놓기 준비

1	(255)
2	(463)
3	(444)
4	(155)
5	(024)
6	(224)
7	(334)
8	(485)

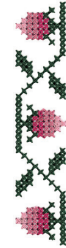
Embroidery thread color number  
자수 실 컬러 번호

↓10.0cm ↔ 10.0cm

COUNTRY ( )

Embroidery thread color  
자수 실 색상

Embroidery size  
자수 크기

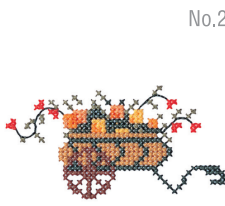


**No.7** **5 min**

1	(476)
2	(126)
3	(024)
4	(122)

↓8.1cm ↔ 1.6cm

COUNTRY ( )

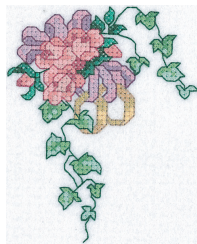


**No.2** **10 min**

1	(334)
2	(322)
3	(335)
4	(336)
5	(473)
6	(354)
7	(485)
8	(148)
9	(255)

↓4.8cm ↔ 9.4cm

COUNTRY ( )



**No.5** **21 min**

1	(126)
2	(155)
3	(152)
4	(122)
5	(625)
6	(624)
7	(623)
8	(476)
9	(485)
10	(463)
11	(461)
12	(446)
13	(444)
14	(354)
15	(404)
16	(370)
17	(126)
18	(636)
19	(224)
20	(476)

↓9.4cm ↔ 7.6cm

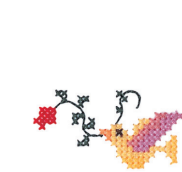
COUNTRY ( )



**No.8** **23 min**

1	(017)
2	(019)
3	(070)
4	(810)
5	(001)
6	(019)
7	(070)

↓9.4cm ↔ 9.4cm

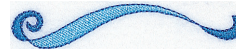


**No.3** **3 min**

1	(149)
2	(370)
3	(334)
4	(133)
5	(624)
6	(322)
7	(717)
8	(485)

↓2.8cm ↔ 5.4cm

COUNTRY ( )



**No.9** **3 min**

1	(019)
2	(017)
3	(070)

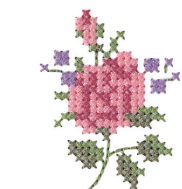
↓1.6cm ↔ 9.0cm



**No.10** **6 min**

1	(001)
2	(810)
3	(017)
4	(019)
5	(070)

↓4.1cm ↔ 6.3cm



**No.4** **5 min**

1	(024)
2	(152)
3	(444)
4	(473)
5	(623)

↓5.3cm ↔ 4.0cm

COUNTRY ( )



**No.6** **6 min**

1	(588)
2	(000)
3	(126)
4	(024)
5	(255)
6	(354)
7	(586)

↓3.4cm ↔ 8.1cm

COUNTRY ( )



**No.11** **21 min**


1	(513)
2	(534)
3	(612)
4	(620)
5	(070)
6	(010)

↓9.6cm ↔ 8.6cm

# Embroidery Pattern Color Change Table

## 자수 패턴 색상 변경 표

No.12




**17 min**

- 1 (502)
- 2 (612)
- 3 (070)
- 4 (010)
- 5 (007)

↕ 7.4cm ↔ 7.4cm

No.17



**6 min**

- 1 (070)
- 2 (079)

↕ 6.9cm ↔ 6.3cm

No.23




**1 min**

- 1 (612)

↕ 4.7cm ↔ 8.5cm

No.13




**9 min**

- 1 (502)
- 2 (010)
- 3 (208)

↕ 7.3cm ↔ 6.0cm

No.18

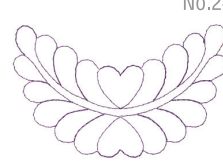


**2 min**

- 1 (124)

↕ 2.7cm ↔ 3.0cm

No.24



**1 min**

- 1 (612)

↕ 5.8cm ↔ 9.4cm

No.19




**9 min**

- 1 (017)

↕ 5.9cm ↔ 8.3cm

No.25




**3 min**

- 1 (019)
- 2 (807)

↕ 4.9cm ↔ 6.2cm

No.14




**20 min**

- 1 (502)
- 2 (010)
- 3 (208)
- 4 (810)
- 5 (086)
- 6 (017)
- 7 (085)
- 8 (328)

↕ 9.6cm ↔ 6.7cm

No.20




**8 min**

- 1 (126)

↕ 9.2cm ↔ 8.5cm

COUNTRY

No.26




**5 min**

- 1 (017)
- 2 (205)
- 3 (513)
- 4 (086)
- 5 (001)
- 6 (017)

↕ 3.2cm ↔ 3.4cm

No.15




**4 min**

- 1 (534)
- 2 (800)
- 3 (307)
- 4 (030)

↕ 2.7cm ↔ 4.1cm

No.21




**6 min**

- 1 (126)

↕ 7.8cm ↔ 9.3cm

COUNTRY

No.27




**4 min**

- 1 (807)
- 2 (515)
- 3 (001)
- 4 (070)

↕ 3.0cm ↔ 7.9cm

No.16

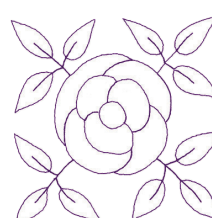


**10 min**

- 1 (534)
- 2 (800)
- 3 (070)
- 4 (307)
- 5 (019)
- 6 (030)

↕ 8.9cm ↔ 9.0cm

No.22




**2 min**

- 1 (612)

↕ 9.6cm ↔ 9.4cm

No.28



**10 min**

- 1 (208)
- 2 (205)
- 3 (900)
- 4 (620)
- 5 (001)
- 6 (515)

↕ 5.0cm ↔ 4.1cm

No.29




**4 min**

- 1 (337)
- 2 (030)
- 3 (058)

↕ 2.5cm ↔ 2.5cm

No.30



11 min

1	(800)
2	(007)
3	(307)
4	(399)
5	(900)
6	(017)
7	(001)
8	(800)

↓5.6cm ↔9.0cm

No.31




5 min

1	(800)
2	(515)
3	(017)
4	(124)
5	(206)

↓3.7cm ↔3.6cm

No.32




9 min

1	(586)
2	(025)
3	(473)
4	(242)
5	(224)
6	(255)
7	(747)

↓5.0cm ↔5.0cm

COUNTRY

No.33




20 min

1	(513)
2	(001)
3	(323)
4	(800)
5	(017)
6	(810)
7	(900)
8	(513)
9	(001)
10	(323)
11	(019)
12	(070)
13	(900)
14	(058)
15	(502)
16	(704)
17	(900)

↓9.6cm ↔6.5cm

No.34



3 min

1	(001)
2	(307)
3	(707)

↓2.6cm ↔2.4cm

No.35




5 min

1	(001)
2	(323)
3	(010)
4	(900)

↓3.4cm ↔3.8cm

No.36




5 min

1	(001)
2	(843)
3	(707)
4	(900)

↓4.0cm ↔2.7cm

No.37




3 min

1	(001)
2	(405)
3	(017)
4	(800)

↓3.2cm ↔3.3cm

No.38



1 min

1	(800)
2	(017)
3	(339)

↓1.6cm ↔2.5cm

No.39




3 min

1	(704)
---	-------

↓2.3cm ↔3.0cm

★ No.40




3 min

1	(107)
2	(107)
3	(107)
4	(328)

↓4.9cm ↔4.8cm

No.41




5 min

1	(800)
2	(205)
3	(001)
4	(507)
5	(900)

↓2.4cm ↔5.7cm

No.42




2 min

1	(205)
2	(405)
3	(507)
4	(800)
5	(900)

↓2.4cm ↔5.8cm

★ No.43



7 min

1	(019)
2	(019)
3	(019)
4	(205)
5	(507)
6	(007)
7	(900)

↓5.6cm ↔5.7cm

★ No.44



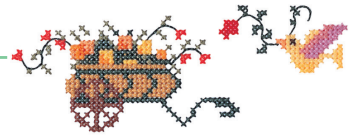
17 min

1	(800)
2	(800)
3	(800)
4	(019)
5	(800)
6	(513)
7	(124)
8	(085)
9	(086)

↓6.2cm ↔6.2cm









★ Refer to the operation manual for the sewing machine for details on how to embroider appliqués.

아플리케를 자수하는 방법에 대한 자세한 사항은 재봉기 사용 설명서를 참조하십시오.



## Embroidery Pattern Color Change Table

### 자수 패턴 색상 변경 표

 <p>No.45</p> <p>2 min 1 (070)</p> <p>↕3.1cm ↔3.9cm</p>	 <p>No.54</p> <p>2 min 1 (070)</p> <p>↕4.5cm ↔3.1cm</p>	 <p>No.63</p> <p>2 min 1 (070)</p> <p>↕3.1cm ↔2.9cm</p>
 <p>No.46</p> <p>2 min 1 (070)</p> <p>↕3.1cm ↔3.6cm</p>	 <p>No.55</p> <p>2 min 1 (070)</p> <p>↕3.1cm ↔4.0cm</p>	 <p>No.64</p> <p>1 min 1 (070)</p> <p>↕3.4cm ↔3.4cm</p>
 <p>No.47</p> <p>2 min 1 (070)</p> <p>↕3.1cm ↔2.9cm</p>	 <p>No.56</p> <p>2 min 1 (070)</p> <p>↕3.1cm ↔3.1cm</p>	 <p>No.65</p> <p>2 min 1 (070)</p> <p>↕3.1cm ↔3.7cm</p>
 <p>No.48</p> <p>2 min 1 (070)</p> <p>↕3.1cm ↔3.1cm</p>	 <p>No.57</p> <p>2 min 1 (070)</p> <p>↕3.1cm ↔4.6cm</p>	 <p>No.66</p> <p>1 min 1 (070)</p> <p>↕3.1cm ↔3.5cm</p>
 <p>No.49</p> <p>2 min 1 (070)</p> <p>↕3.1cm ↔2.8cm</p>	 <p>No.58</p> <p>2 min 1 (070)</p> <p>↕3.1cm ↔4.3cm</p>	 <p>No.67</p> <p>2 min 1 (070)</p> <p>↕3.1cm ↔5.3cm</p>
 <p>No.50</p> <p>2 min 1 (070)</p> <p>↕3.5cm ↔3.2cm</p>	 <p>No.59</p> <p>1 min 1 (070)</p> <p>↕3.1cm ↔2.6cm</p>	 <p>No.68</p> <p>2 min 1 (070)</p> <p>↕3.1cm ↔3.8cm</p>
 <p>No.51</p> <p>2 min 1 (070)</p> <p>↕3.1cm ↔2.4cm</p>	 <p>No.60</p> <p>2 min 1 (070)</p> <p>↕3.1cm ↔3.2cm</p>	 <p>No.69</p> <p>2 min 1 (070)</p> <p>↕3.1cm ↔2.9cm</p>
 <p>No.52</p> <p>2 min 1 (070)</p> <p>↕3.2cm ↔4.2cm</p>	 <p>No.61</p> <p>2 min 1 (070)</p> <p>↕3.1cm ↔2.6cm</p>	 <p>No.70</p> <p>2 min 1 (070)</p> <p>↕4.5cm ↔3.3cm</p>
 <p>No.53</p> <p>2 min 1 (070)</p> <p>↕3.1cm ↔2.7cm</p>	 <p>No.62</p> <p>2 min 1 (070)</p> <p>↕3.1cm ↔3.7cm</p>	



# Color Thread Conversion Chart

## 컬러 실 전환 차트

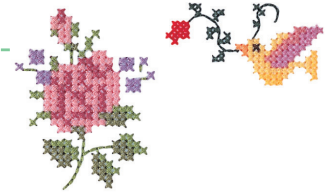












































	Color Name	Embroidery	Country	Madeira Polyneon	Madeira Rayon	Sulky Rayon	R.A. Polyester
1	Black /	900	100	1800	1000	1005	5596
2	White /	001	000	1801	1002	1001	5597
3	Red /	800	149	1637	1037	1037	5678
4	Pink /	085	155	1921	1108	1224	5523
5	Deep Rose /	086	024	1721	1117	1154	9168
6	Flesh Pink /	124	152	1915	1015	1064	5677
7	Dark Fuchsia /	107	126	1984	1383	1533	5804
8	Vermilion /	030	148	1779	1179	1184	9023
9	Carmine /	807	158	1986	1081	1511	5561
10	Royal Purple /	869	636	1788	1188	1192	5681
11	Magenta /	620	625	1710	1319	1191	5592
12	Salmon Pink /	079	122	1816	1317	1225	5773
13	Amber Red /	333	212	1942	1341	1119	5591
14	Lemon Yellow /	202	342	1623	1023	1067	5625
15	Yellow /	205	043	1980	1068	1187	5860
16	Harvest Gold /	206	334	1971	1024	1124	5770
17	Orange /	208	335	1951	1137	1024	5694
18	Pumpkin /	126	322	1952	1155	1065	5630
19	Tangerine /	209	336	1965	1078	1078	5518
20	Cream Brown /	010	331	1866	1022	1061	5761
21	Cream Yellow /	812	370	1861	1349	1135	5564
22	Khaki /	348	242	1939	1255	1055	5636
23	Deep Gold /	214	354	1772	1172	1025	5770
24	Brass /	328	404	1791	1192	1159	9109
25	Linen /	307	025	1682	1149	1082	5635
26	Dark Brown /	058	717	1859	1130	1129	5637
27	Reddish Brown /	337	264	1753	1253	1021	5781
28	Clay Brown /	339	224	1621	1021	1158	5590
29	Beige /	843	012	1738	1138	1127	5598
30	Warm Gray /	399	706	1860	1085	1218	9126
31	Russet Brown /	330	414	1726	1194	1126	5702
32	Light Brown /	323	255	1729	1056	1128	5789
33	Seacrest /	542	505	1647	1219	1077	5578
34	Mint Green /	502	461	1702	1302	1047	5511
35	Leaf Green /	509	463	1749	1050	1510	5514
36	Olive Green /	519	476	1904	1396	1174	5502
37	Dark Olive /	517	473	1769	1156	1156	9122
38	Teal Green /	534	483	1879	1298	1503	5751
39	Emerald Green /	507	485	1750	1250	1079	5508
40	Deep Green /	808	467	1703	1370	1208	5615



## Color Thread Conversion Chart

### 컬러 실 전환 차트



	Color Name	Embroidery	Country	Madeira Polyneon	Madeira Rayon	Sulky Rayon	R.A. Polyester
41	Fresh Green /	 027	 442	1706	1102	1209	9153
42	Lime Green /	 513	 444	1848	1049	1177	5622
43	Moss Green /	 515	 446	1770	1369	1176	9091
44	Blue /	 405	 586	1829	1177	1076	5684
45	Ultra Marine /	 406	 575	1842	1076	1042	5736
46	Light Blue /	 017	 150	1932	1132	1074	5683
47	Sky Blue /	 019	 512	1828	1029	1196	5506
48	Electric Blue /	 420	 564	1797	1297	1250	5829
49	Peacock Blue /	 415	 057	1652	1252	1206	5810
50	Prussian Blue /	 007	 588	1767	1166	1535	5737
51	Cornflower Blue /	 070	 015	1830	1335	1028	5601
52	Light Lilac /	 810	 133	1911	1031	1121	9016
53	Lilac /	 612	 623	1831	1080	1080	9009
54	Violet /	 613	 624	1631	1033	1194	5588
55	Purple /	 614	 635	1880	1122	1122	5554
56	Lavender /	 804	 604	1630	1261	1193	5586
57	Wisteria Violet /	 607	 003	1943	1311	1032	5587
58	Pewter /	 704	 745	1840	1041	1041	9114
59	Dark Gray /	 707	 747	1841	1241	1220	5565
60	Silver /	 005	 020	1812	1087	1011	5640
61	Gray /	 817	 734	1640	1118	1219	5782
62		----->X					
63		-----					
64		~~~~~ TTTTTTTTTTTTTTTT					
65	NOT DEFINED /						

**Note:**

The conversion chart is based on Embroidery thread. The color shades may vary with the different brands listed on the chart. If unsure of a particular color(s), please sew test. Robison Anton, Isacord, Maderia, Sulky and Güetermann are respectively registered trademarks. Actual colors may vary slightly from the chart.

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