



BERNINA 790

Stitch Package 1352 Stitch Patterns

32 Practical, 13 Buttonholes, 2 Eyelets,
1 Sew-on Button Program, 506 Decorative,
34 Quilting, 117 Sideways-Motion,
7 Alphabets, 1 Monogram
+ 2 Darning Programs

GENERAL MACHINE FEATURES and BENEFITS

Color Touch Screen	The centrally located 7" TFT screen is ultra-responsive & features high resolution colors.
Bright LED Lights	30 LED lights brightly illuminate both the needle area and over the free arm; the brightness is adjustable. Lighting in the bobbin area provides illumination for setup tasks.
Semi-automatic Needle Threader	Threads the needle in one simple process.
Automatic Thread Cutter	The upper and lower threads are cut automatically or at the touch of a button.
On-screen Help	Quick access to On-screen Help, Animations, Creative Consultant and Tutorials.
Start/Stop & Slide Speed Control	As an alternative to the traditional foot control, power the machine using the Start/Stop button.
13-inch Extended Arm	10" to right of needle offers outstanding maneuverability, freedom and comfort.
Powerful DC Motor Separate Bobbin Winding Motor	The DC Motor provides consistent stitching on the multiple layers & heavy fabrics. No stalling! With a separate Bobbin Winding Motor, wind a bobbin quickly and <i>even</i> wind a bobbin while sewing!
Hook System	The innovative BERNINA Hook maintains the legendary BERNINA stitch quality, allows a 9 mm stitch width and has a bobbin with 70% greater thread capacity than a standard bobbin.
BERNINA Adaptive Thread Tension	Once the tension is set according to the fabric and thread used, the thread tension is constantly monitored and adjusted automatically if needed, resulting in the finest stitching without pressing a button.

SEWING MACHINE FEATURES and BENEFITS

Maximum Sewing Speed	1000 stitches per minute.
6.0 mm Maximum Stitch Length	Variable length provides a smooth transition from length to length adjustable while sewing
9.0mm Maximum Stitch Width	Adjustable width accommodates various thread & fabric types; can adjust as you sew.
11 Needle Positions	Enables very precise sewing; sew most patterns in any needle position.
Free Hand System	Knee operated lever raises the presser foot, lowers the feed dog and releases the thread tension.
BERNINA Stitch Regulator (BSR)	BSR provides consistent free-motion stitching, both straight stitch and zigzag, even at high speeds.
Integrated BERNINA Dual Feed	Ensures even feeding of hard-to-manage fabrics with beautiful results.
360° Multi-directional Sewing	Multi-directional Sewing expands your decorative stitch possibilities.
Stitch Designer	Create your own stitches or edit existing stitch patterns. Design 9mm & Sideways Motion Stitches.
Tapering	Create & adjust stitch tapers before and after decorative stitches.
Temporary Altered Stitch Memory	Remembers all your personalized stitch settings during a sewing session.
Saved Stitch Settings	Save over the factory default stitch settings to personalize a stitch; remains in effect until you change it back.
Personal Program / Memory	Records and saves your individually altered stitches and combinations for future retrieval. 4 Folders.
Import/Export Stitches via USB	Import and export sewing stitches and stitch combinations via USB to expand your stitch library.
Securing Function	Program the number of securing stitches, customizing your sewing process.
Pattern Begin	Start at the beginning of any pattern or sequence, wherever you stopped.
Pattern End	No more half-finished patterns; machine stops after pattern is complete. Programmable features such tie off.
Mirror Image	Sew the mirror image of a stitch pattern both horizontally and vertically.
Drag and Drop Editing	Drag and drop allows for easy positioning of sewing combinations & embroidery designs. Swipe to delete.
Presser Foot Selection	Access a built-in library of current presser feet and accessories. Includes a needle minder.
Presser Foot Pressure Adjustment	Adjust the foot pressure to eliminate skipped stitches on thick fabrics and wavy seams on knits.
Long Term Buttonhole Memory	Buttonhole length may be saved for future retrieval, even after machine is off.
On-screen Buttonhole Measuring	Hold a button to the screen & set the length by adjusting a knob.

SEWING FUNCTIONS							
	Home		Stitch Selection by Number		Upper Thread Tension		Pattern Repeat
	Setup Program		Practical Stitches		Security Program - Needle		Alter Pattern Length
	Tutorial		Decorative Stitches		Needle Minder		Mirror Image (Left/Right)
	Creative Consultant		Alphabets		Presser Foot Indicator / Presser Foot Selection		Mirror Image (Up/Down)
	Help		Quilting Stitches		Presser Foot Pressure		Multi-directional Sewing
	Eco		Personal Program/Memory		Security Program - Stitch Plate		Combi-Mode
	Clear Settings		History		Feed Dog Up/Down		Editing Mode
	Information		Buttonholes		Filling of Bobbin		Edit the Complete Combination
	Back		Direct Entry Buttonhole Length		Stitch Pattern View - Match Size to Display		Edit Combination at Cursor Position
	Confirm Selection		Program Buttonhole Length		Needle Stop Up/Down - Permanent		Adjust Width in a Combination
	Leave Active Display		Stitch Counter Buttonhole		Needle Stop Up/Down - Temporary		Adjust Length in a Combination
	Delete		Manual Buttonhole		Securing		Move Stitch Patterns in a Combination
	Save Altered Stitch Pattern Setting		Buttonhole Slit Width		Programmable Pattern End /Securing		Combination Sub-divider (1)
	Back to Basic Stitch Setting		Stitch Counter		Pattern Begin		Combination Sub-divider (2)
	Continuous Reverse Sewing		Long Stitch		Needle Position		Font Size in Alphabet
	Backstepping		Tapering		Connecting Stitches		Monogram Size
	Balance						Stitch Designer

BERNINA 790 Accessories

10 Presser Feet:

- Reverse Pattern Foot #1C
- Reverse Pattern Foot #1D
- Overlock Foot #2A
- Automatic Buttonhole Foot #3A
- Zipper Foot #4D
- Blind Hem Foot #5
- Jeans Foot #8D
- Open Embroidery Foot #20C
- Sideways Motion Foot #40C
- BERNINA Stitch Regulator #42

Additional Accessories:

- Instructional Presentation DVD
- Instruction Manual
- Free Hand System
- Slide-on Table with Seam Guide
- Soft Cover
- Accessory Wardrobe
- 1 pkg. Assorted Needles
- Height Compensation Tool

- Seam Guide Right
- Torx Screwdriver
- Angular Torx Screwdriver
- Small Screwdriver
- Touch Screen Pen
- Straight/CutWork Stitch Plate
- Oiler
- 4 Bobbins (total)
- Seam Ripper
- Lint Brush
- 2 Foam Pads
- 3 Spool Discs

WARRANTY

- 20 years Mechanical
- 5 years Electronic
- 2 years Electrical



BERNINA 790

Embroidery

Embroidery Package
270 Designs + 8 Alphabets

GENERAL MACHINE FEATURES and BENEFITS

Color Touch Screen	The centrally located 7" TFT screen is ultra-responsive & features high resolution colors.
Bright LED Lights	30 LED lights brightly illuminate both the needle area and over the free arm; the brightness is adjustable. Lighting in the bobbin area provides illumination for setup tasks.
Semi-automatic Needle Threader	Threads the needle in one simple process.
Automatic Thread Cutter	When a thread color is finished embroidering, upper & lower threads are cut automatically.
On-screen Help	Quick access to On-screen Help, Animations, Creative Consultant and Tutorials.
Start/Stop & Slide Speed Control	As an alternative to the traditional foot control, power the machine using the Start/Stop button.
13-inch Extended Arm	10" to right of needle offers outstanding maneuverability, freedom and comfort.
Powerful DC Motor	Provides consistent stitching on the multiple layers & heavy fabrics. No stalling!
Separate Bobbin Winding Motor	Wind a bobbin quickly and <i>even</i> wind a bobbin while embroidering!
Hook System	The innovative BERNINA Hook maintains the legendary BERNINA stitch quality, allows a 9 mm stitch width and has a bobbin with 70% greater thread capacity than a standard bobbin.

EMBROIDERY FEATURES and BENEFITS

Embroidery Field	15.75" x 8.25" (400mm x 210mm)
Embroidery Speed	1000 stitches per minute - fastest embroidery speed of any domestic sewing machine.
Rescaling of Designs	Enlarge or reduce motifs proportionally on-screen. Motifs can also be scaled by height and/or width independently. Increasing/decreasing in a range of +/- 20% provides the best results.
Rotate, Move, and Mirror Image	Rotate, Move, and Mirror Image Embroidery Motifs for optimal placement on projects.
Duplicate, Add / Combine Designs and Lettering	Duplicate Embroidery Motifs; add/combine multiple Embroidery Motifs; and add/combine Lettering on-screen.
Word Art	Present your lettering on a variety of vertical, horizontal and curved baselines.
Embroider Sewing Stitches	Import sewing stitches/stitch combinations into embroidery for stitching!
Endless Embroidery	Endless Embroidery helps you line up embroidery motifs in vertical orientation and indicates the most precise placement for borders and re-hooping.
Drag and Drop Editing	Drag and Drop Editing allows for easy positioning of embroidery motifs.
Absolute Check / Check Box	Check individual stitch locations for precise design placement. / Trace a box around the design.
Built-in Embroidery Basting	Stitch your choice of basting stitches before embroidering - around your motif, the inner hoop, or none.
Adjust Stitch Density	Adjust stitch density to complement specialty fabrics and other textile items.
Change Stitch Type	Change a satin stitch to a fill stitch to complement varied fabrics.
View	View Stitch-out Time, Thread Colors, Size, Stitches. All important information is at your fingertips!
Stitch Motif as Single / Multi-Color	Stitch an entire motif in one color without stopping or as a multi-color design.
Color Resequence	Group repeated colors within an embroidery composition to minimize repeated color changes.
Free Arm Embroidery	Embroider tubular items such as sleeves.
USB Connection	Enjoy rapid and direct connectivity for design transfer.
DesignWorks Tools & Software Compatible	Turn your BERNINA Embroidery Machine into a creative multi-media machine with the addition of CutWork, PaintWork and CrystalWork Tools and Software. <i>Optional Accessories.</i>

EMBROIDERY MOTIF SELECTION							
	Selection Overview - Open New Motif		Selection Overview - Add Motif		Selection Overview - Save		Selection Overview - Delete Motifs
	Embroidery Computer - Select Motifs from Folders		USB Stick - Select Motifs from Stick				
	Embroidery Motifs Folder		Alphabet Folder		Stitch Patterns Folder		My Designs Folder
EMBROIDERY FUNCTIONS							
	Upper Thread Tension		Confirm Selection		Mirror Image (Left/Right)		Virtual Positioning
	Security Program - Needle		Leave Active Display		Mirror Image (Up/Down)		Basting - Motif/Hoop
	Presser Foot Indicator		Move View of Motif		Alter Characters - Word Art		Embroidery Sequence Control
	Select Hoop		Move View of Motif within the Hoop		Alter Stitch Type		Cut Connecting Stitches
	Security Program - Stitch Plate		Zoom Plus 1 - 5x		Endless Embroidery		Color Numbers
	Feed Dog Up/Down		Zoom Minus 1 - 5x		Duplicate Motif		Color Information
	Filling of Bobbin		Add Embroidery Motif		Delete Motif		Change Thread Brand
	Edit		Rotate Motif		Move Motif		Move Hoop
	Embroidery Menu		Rescale Motif in Height or Width		Move Hoop to the Left		Convert Thread Brand to Another
	Information		Rescale Motif Proportionally		Move Hoop to the Back		Color Resequencing
	Back		Motif Center		Single/Multi-color Motif		Embroidery Speed
			Check Hoop & Motif Size		Park Embroidery Module		Embroidery Finish
			Show Grid				

BERNINA 790 Accessories Embroidery

1 Presser Foot:

- Embroidery Foot #26

Additional Accessories:

- Large Oval Embroidery Hoop
- Template-Large Oval Hoop
- Medium Embroidery Hoop
- Template-Medium Hoop
- Small Embroidery Hoop
- Template-Small Hoop
- 2 Template Holder Clips
- 1 Pkg. Asst. Embroidery Needles
- USB Connecting Cable
- Thread Net

WARRANTY

- 20 years Mechanical
- 5 years Electronic
- 2 years Electrical