

# Troubleshooting

### If your thread is breaking...

- Replace your needle if it is bent or burred. Use the needle magnet to align and install your needle straight.
- Follow the "Top Thread Tension" guide on the back to correct your thread tension.
- Check that your machine is threaded correctly using the "Thread Guide" above.
- Follow the "Bobbin Guide" on the back for threading, tensioning, and installing the bobbin case.

- Check the hopping foot height.
- Adjust the height of the take-up rail on your quilting frame to be 1/4 inch above the needle plate.
- For more help call 1(800) 264-0644 or e-mail support@graceframe.com.

# If your machine is skipping stitches...

 Replace your needle if it is bent or burred. Use the needle magnet to align and install your needle straight.

- Follow the "Top Thread Tension" on the back guide to correct your thread tension.
- Check the hopping foot height.
- Adjust the height of the take-up rail on your quilting frame to be 1/4 inch above the needle plate.
- For more help call 1(800) 264-0644 or e-mail support@graceframe.com.

# Needle Information

Use a straight needle.



# **Bobbin Guide**

#### tension. Place the bobbin in the bobbin case so that when you pull the thread, the bobbin If the If the rotates clockwise. bobbin case bobbin case 2 leaves your does not tilt hand... up... Decrease Increase Tension Tension Tension Test: Hold the by twisting by twisting bobbin case in your hand and the bobbin the bobbin pull the thread up. case screw case screw counterclockwise Tension clockwise with a pin or is correct if with a pin or fingernail. the bobbin fingernail. case tilts onto its side but does not leave **Bobbin Screw Bobbin Screw** your hand.

# **Top Thread Tension**



# Needle Style: DPx5 MR, 134 MR, 1955 MR Bobbin Type: M-Class

#### Size: **Thread Size and Type:**

14/90	mono-filament, 100 wt. silk, 60 wt. polyester
16/100	mono-filament, 60 wt., 50 wt. polyester or cotton thread
18/110	40 wt. cotton and polyester, 30 wt. cottons and polyester
20/125	any thread 30 wt. or heavier

Set the bobbin tension first, and then adjust the top thread

Set the bobbin tension first (see above).



\*These buttons may be reversed in Settings for left-handed quilters.

# Sewing Screen

Needle

6



### Settings

# Stitch Length

Displayed in Stitches Per Inch (SPI) or Centimeter (SPC) (see Settings to set the unit measurement). Press [-] to decrease SPI/SPC and [+] to increase SPI/SPC.

3 SPI/SPC Presets Press to set the SPC/SPI

shown.

## Jog Needle

Press [<] or [>] to move the needle incrementally.

**Needle Stop Indicator** Shows if the needle will stop sewing in the [Up] or the [Down] position. Press to switch to [Up] and [Down].





[Down]

# **6** Over-speed Indicator.

Press to switch audible signal [On] and [Off]. Icon will change [Red] if you move your machine faster than it is able to make even stitches.



Machine Inactive

Machine Active

Over-speed: Move machine slower.

#### Full Stitch/Half Stitch Pressing this button to create a full stitch, or a half stitch. Change which button is active in Settings.



[Full Stitch]

# [Half Stitch]

# 8 Sewing Mode

Press [>] to switch to Precise, Cruise, Manual, and Baste.

### Minimum Speed

Shown as a percentage of the machine's highest speed, ranging from 5% to 25%. Press [-] to decrease stitch speed and [+] to increase stitch speed.

### Baste Length

Press [-] to decrease stitch length and [+] to increase stitch length.

### Manual Speed Displayed as a percentage of the highest speed. Press

[-] to decrease speed and [+] to increase speed.

Manual Speed Presets Press to use that stitch speed. Press and hold to set.



\*These buttons may be reversed in Settings for left-handed quilters.

# Settings Screen



### 1 Return to Sewing

2 Stitch Button Setting Change which button is active on the Sewing Screen and on the handle button.



[Full Stitch]

[Half Stitch]

# **3** Units

Change speed units from SPI to SPC on the Sewing Screen.

#### **Reverse Handle** Buttons

Reverse the Left and Right Handle Button Controls. This is useful for Left-handed Quilters.

**5** System Information

**6** Screen Settings



### Machine Revision Information

8 Display Revision Information

Stitch Count Press [Reset] to reset the Stitch Count. Total Stitches will not reset.

#### Hour Count Press [Reset] to reset the

Hour Count. Total Hours will not reset.



Screen Calibration Use this setting if buttons aren't activated correctly when pressed.

Color Theme Choose a color theme for your screen.