Quilter's Cruise Control™

User's Manual

This user's manual is for the
Quilter's Cruise Control™ with Optical Encoders,
and will help you install your unit on your
short-arm quilting frame system properly.

Installing the Quilter's Cruise Control™

The Quilter's Cruise Control™ with optical encoders consists of the following:

1. The Cruise Control Brain
2. The Optical Encoders with wiring harness
3. Hardware applicable to your specific quilting frame

I. Set up your short-arm quilting frame in accordance with the manufacturer's instructions. If you purchased a Stylus Assembly, place it on top of your machine carriage following the instructions on page 4.

II. Using the hardware provided and following the frame-specific instructions, included with your unit, install your optical encoders on your quilting frame.

III. Insert the 6-pin black plug on the Optical Encoder wiring harness into the matching port on the Cruise Control Brain.

IV. There are several cords on the unit. The permanently attached longer cord is the power cord. Plug this directly in the wall outlet. The double-ended cord will plug into your sewing machine's foot pedal port and the matching port on the Cruise Control Brain. (If you have purchased a Remote Hand Switch, plug this into the receptacle below the power cord.)

Cruising with the Quilter's Cruise Control™

Now that your Quilter's Cruise Control™ system is properly set up, you are ready to cruise!

I. Turn on the main power to the Cruise Control Brain. This button is located on the end with the cords. If you look on the Brain, you should notice a green light. If you do not, check to ensure you have power to the unit from your wall outlet.

II. There are 3 stitch lengths available: short, medium, and long. Select your desired stitch length.

III. Turn on your sewing machine.

IV. Flip the "Cruise" switch located on the face of the Cruise Control Brain. Very slowly, the machine will begin stitching.

V. Start moving the sewing machine, and the Cruise Control Brain regulates the stitch length. Move the machine slowly, and the machine stitches slowly. Move the machine fast, and the machine stitches fast.

VI. When you are ready to stop, simply stop moving the machine and switch the Cruise Control Brain to "Stop" or flip the switch on your Remote Hand Switch.

VII. When you need to wind a bobbin, simply follow your sewing machine manufacturer's instructions for threading the machine/bobbin, then push and hold the "Wind Bobbin" button on your Cruise Control Brain. There is no need to unplug anything!

VIII. As a general rule, it is very important when using the Quilter's Cruise Control™ not to abruptly start and stop when moving the sewing machine.

For best results, as with an automobile, start out and slow down smoothly. You may experience long stitches if you accelerate too quickly and very short stitches if you stop too abruptly. This will not damage the Quilter's Cruise Control™ unit, but the quality of your quilting will suffer.

When switching stitch length (short, medium, long), be sure to have the "Cruise/Stop" button switched to the "Stop" position.

Using the Wind Bobbin Feature

I. For Juki-compatible units: Thread the machine to wind the bobbin. Simply depress the "Wind Bobbin" push button and hold.

II. For Brother-compatible units: To use the wind bobbin feature of the Quilter's Cruise Control™ with the Brother 1500, the following sequence must be performed. If the sequence is not followed, the red light on the sewing machine will flash.

After threading the machine to wind the bobbin: [1] Turn off the Quilter's Cruise Control™ main power switch (the green light on the unit should be OFF). [2] Press the "Wind Bobbin" push button and hold. [3] Flip the "Stop/Cruise" switch from "Stop" to "Cruise." The bobbin will begin winding. When finished, reverse the procedure.

Quilter's Cruise Control™ Accessories

Using the Driveway

If you purchased a Driveway with your Quilter's Cruise Control™, before you place the machine carriage onto your short-arm quilting frame, place the Driveway(s) between the frame rails. This will protect your pantograph patterns for years of use.

A Driveway consists of two sheets that are approximately 21" wide and 51" long. Additional Driveways are available for purchase on our website.

Using the Remote Hand Switch

I. The Remote Hand Switch: You may wish to control the power to the Cruise Control Brain from a location other than directly behind the end of the sewing machine, such as from the opposite side of your quilting frame or from the side where the stylus arm is located. It provides a convenient power "kill" switch from any location around the quilting frame. Simply plug the Remote Hand Switch connector into the port below the power cord on the Cruise Control Brain.

II. For Juki-compatible units: To use the remote switch, plug it into the port on the end of the Brain. When the hand control is plugged in, the "Stop/Cruise" switch on the Brain should remain in the "Stop" position. When not using the remote hand control switch, disconnect it from the Brain and store it in a safe place.

III. For Brother-compatible units: To use the remote switch, plug it into the port on the end of the Brain. [Be sure that it is in the "off" position; the white dot is up.] When the hand control is plugged in, the "Stop/Cruise" switch on the Brain should remain in the "Cruise" position. When not using the remote hand control switch, turn the switch to the "Stop" position, disconnect the cord from the Brain, and store it in a safe place.

Assemble the Stylus

Some of the following assembly steps may have been done for you. Please read all instructions prior to assembly.

1. Thread the wing-nut onto the stylus from the pointed end of the stylus.

2. There is a small plastic cap to screw/push onto the top of the stylus above the wing nut.

3. Thread the stylus onto the stylus arm from the pointed end of the stylus.

4. Insert the heat shrink over the lower portion of the stylus near the point, see figure 1. Holding the heat shrink in place with the tip of your forefinger and your thumb, gently apply heat with a hair dryer set on high heat. **Be careful not to burn yourself!**

5. Rotate the stylus to apply heat evenly all around. This will permanently adhere the heat shrink to the stylus, giving you a smooth surface to grasp when "driving" the sewing machine on the frame when following a Road Map or tracing patterns. The finished assembly should look like the one in Figure 1.

Figure 1

6. Using isopropyl alcohol (rubbing alcohol) and a cotton ball, clean the surface of the stylus plate and the carriage where you will be placing the stylus plate. Remove the backing from one side of the Velcro® and place one on each end of the stylus plate on the side that does not have the tabs turned up. Remove the backing from the opposite side of the Velcro®, carefully position the stylus plate on top of the top carriage, and press firmly.

If you prefer to affix the plate to your carriage with screws, you should check first with your frame manufacturer regarding its warranty on the carriages. Drilling holes into your carriage may void the manufacturer's warranty. LiTen Up, Inc. and Quilter's Cruise Control™ are not responsible for voided warranties on quilt frames.

7. Insert the stylus arm into the 2 rectangular holes on opposite sides of the stylus plate. Tighten the thumb screws until gently snug.

8. Place your sewing machine on top of the stylus plate, with the feet positioned inside the 4 rubber cups provided. Follow the instructions in "Cruising with the Quilter's Cruise Control™ found in your User's Manual.

IV. Tighten the Stylus Plate thumb screws onto the stylus arm until gently snug.

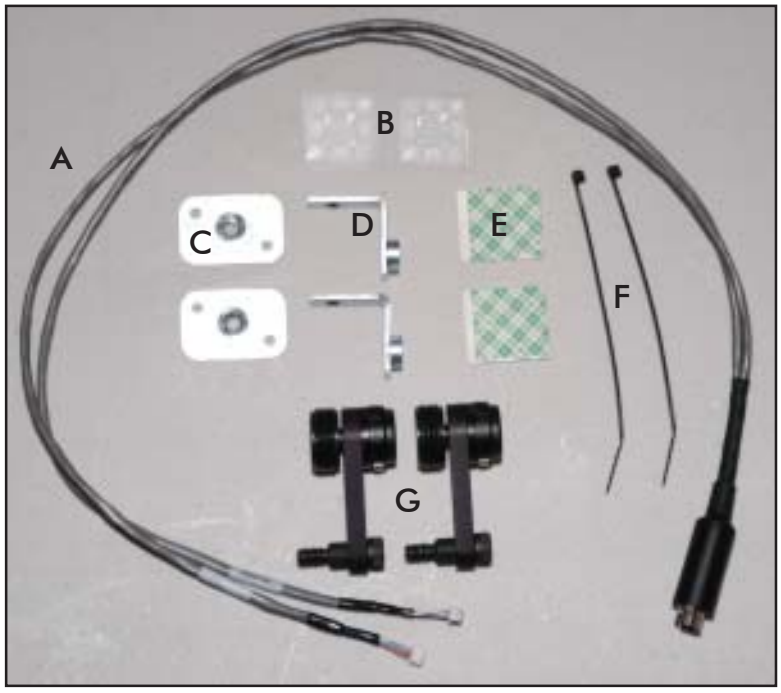
V. Lower the stylus into position by turning the stylus until the end-point is in the desired position.

VI. Tighten the wing-nut down onto the stylus arm until gently snug.

VII. Following the previous instructions for Cruising, hold the stylus and "trace" your stencil/pattern/Road Map. Using this method to stitch your quilting pattern, you may guide the sewing machine by holding the stylus, not the sewing machine. The stylus arm is rigid enough to ensure precision "tracing" of stencil, pantograph, and other quilt designs and templates/Road Maps.

Quilter's Cruise Control™
Optical Encoder Hardware

The hardware you've been given directly corresponds to your short-arm quilting frame. Below is a picture with the various parts we provide.



A: wiring harness
B: strain relief pads
C: encoder plates (B-Line and Pennywinkle only)
D: L-brackets (SuperQuilter and Grace only)
E: double-faced foam pads
F: wire ties
G: optical encoders, shoulder bolts, acrylic spacers

Quilter's Cruise Control

Serial No. _____

WARRANTY

12 Months Parts/12 Months Labor

LiTen Up, Inc. warrants this product (the Quilter's Cruise Control) to be free of defects in material and workmanship for a period of 12 months covering parts and labor from the date of original purchase.

To obtain repair or replacement within the terms of this warranty, please return the product with proof of warranty coverage (this card), description of defect, transportation prepaid, to:

LiTen Up, Inc.
Quilter's Cruise Control
PO Box 2913
Lancaster, CA 93539

www.quilterscruisecontrol.com
support@quilterscruisecontrol.com

This warranty does not apply to any product that has been damaged through alteration, mishandling, misuse or neglect. The extent of **LiTen Up, Inc.**'s liability under this warranty is limited to the repair or replacement provided above and in no event shall the company's liability exceed the purchase price paid by the purchaser for the product.

This Warranty gives you specific legal rights, and you may also have other rights, which vary from state to state.

Customer Satisfaction Guarantee. If, for any reason, you are dissatisfied with your Quilter's Cruise Control™, contact us at support@quilterscruisecontrol.com. Within 14 days from the date of purchase, you may return the order, in its entirety, and we will refund your purchase price, provided the product has not been altered, mishandled, or misused. We welcome your comments and suggestions, because we want you to enjoy every quilting experience you have.

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