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Dear Ansley owner,

Welcome to the FLOYD SEWING MACHINE family. Since 1948, Bill Floyd has been designing and improving industrial sewing machines. The Ansley is one of many specialty sewing machines that he has been instrumental in designing and manufacturing. Now, he is passing down the knowledge, passion and tradition to his son Ernie. Together they are co-owners of TinLizzie18, LLC. Ernie has been in the sewing industry since 1972. In 2005 their shared vision of an affordable long arm quilting machine for the home quilter became reality. Today the TinLizzie18 is in homes all over the world.

The Ansley comes with a one year complete warranty. We will always stand behind our product and any warranty issues will be fixed at no charge. Our warranty on parts is five years and covers the sewing machine head, motor, electronics and frame.

Customer satisfaction is our number one goal. If you are not happy then we are not happy. Our dealers are selectively chosen, using our criteria of customer service and professional integrity.

Enjoy your Ansley26!

Sincerely,

William Floyd
Ernie Floyd
Warranty

We believe that we have designed and are manufacturing the best longarm quilting machine available. As you unpack your machine be sure to keep the box and packing materials designed to protect the machine during shipping. Should it become necessary for you to return the machine for warranty work please call us for specific instructions for packing and shipping your machine.

• Your Ansley has a full labor warranty for one year from the day you receive your machine. We guarantee the machine parts for five years.
• The machine must be cleaned and oiled regularly according to the instructions in this manual. Failure to properly maintain the machine will void this warranty.
• Your Ansley must be plugged into a surge protected electrical outlet. We highly recommend using an Uninterrupted Power Supply (UPS) also known as a Battery Backup. This helps to ensure that you are getting a regulated 110 volts into your machine. See photo below of UPS Battery Backup.
• Should we mutually decide that your machine cannot be repaired using normal communications we will arrange for call tags to be sent to you for pick up of the machine.

How to Contact Us

Should you have a problem with your machine, first call the dealer that sold the machine to you. If for some reason your dealer is unable to resolve your concern, please call (888) 784-5818

This is a photo of the battery backup. Using this will provide you with the best protection.
Attaching your Thread Stand

*Ansley* comes with a four spool thread stand which attaches to the left side of the machine. This four spool thread stand has a telescoping thread guide which needs to be raised to its highest position when quilting.

On the left side of the machine (when looking from the needle) you will see two screws which hold the thread stand to the machine.

Once you have your thread stand attached to the side of the machine then you can attach the thread tree into the holder on the thread stand.

Simply place the threaded end of the tree into the hole provided and twist into place.
Attaching your Lamp

Ansley comes with a flexible lamp which helps to light your work area. This lamp is shipped with a light bulb and there is a plug that will need to be attached to the end of the cord so that you can plug the lamp into the receptacle located on the top of your power on the back right side of the machine. The lamp attaches to the machine on the right side in the space provided.

ATTACHING THE PLUG

1. Push on the little Silver clip holding the plug closed to open plug.
2. Feed the cord threw the lamp holder on the right side of the machine (when looking from the needle)
3. Ensure that the cord is laying flat and not crossed in the path provided
4. Close the plug
5. Press hard to ensure that the silver tab locks around the other side.

Your lamp is ready for use.

1. Remove the nut and one washer from the base of the lamp.
2. Feed the cord threw the lamp holder on the right side of the machine (when looking from the needle)
3. Replace the washer and the nut.
4. Tighten the nut so that the lamp stays in place.
5. Trim the cord so that it is long enough to reach the outlet on top of the power box. (This is the box where the power cord plugs in on the same side of the machine as the lamp.)

See ‘Attaching the plug’ below for the next steps.
Connecting your Ansley to your Carriage Assembly (Deck) and Controls on the Handles

TinLizzie18 promises the purchaser of this TinLizzie18 sewing machine to repair or replace any part, at TinLizzie18’s option except exclusions as noted, of this quilting machine which proves to be defective in workmanship or material under normal personal, family, or household use, to the extent here stated. Any cables that the Purchaser needs to connect must be connected with care. Careless connection or disconnection may result in damage to the cables and/or components that the cables are connected to. Such damage is not cover under warranty.

Your Carriage Assembly (Deck) comes with the cable already connected to the encoders on the bottom of the carriage assembly (deck) pieces. This cable is route to the power box of your Machine and plugged into the receptacle on the back of the power box.

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This is looking at the back of the machine.

As you can see the Handle bar cable connects to the connector for the 9 pin cable.

The Encoder Y cable goes into the connector for the 6 pin cable.

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Your controls on your handles have a cable that runs through the handle to connect the two controllers. You will need to use the supplied cable to connect your controllers to the Control connector on the back of the power box.

Your Cable connects to the Controller on the Left handle. You will note that this connector will only fit in one side.
What is the Tension Release Lever?

The tension release lever raises the hopping foot and releases the tension on the thread. You can watch the tension disc plates open as you lift the lever.

We recommend that you lift this lever while threading to ensure that the thread gets between the disc for proper tension.

Never start sewing with the lever up! This will cause there to be no tension on the thread and you will get loops on the bottom of your quilt.

It is also a good idea to lift this when you are moving the machine from one block or location on the quilt to another location or block to keep the thread from breaking.

How Do I Adjust the Height of the Hopping Foot for Thicker or Thinner Batting?

This is where you adjust the hopping foot for thicker or thinner batting. Simply loosen the screw and adjust the foot to the level that clears the fabric when moving the machine around. You need to have about 1 thin dimes worth of space between the bottom of the foot and the fabric or base of the machine.

You also have the ability to adjust the walking of the machine. The walking of the machine is how much movement is in the foot.
Adjusting the Walk of the Machine

The walk of the machine is how much the hopping foot moves up and down while quilting.

**STEP 1.** Remove the cover from the right side of your machine.

**STEP 2.** Adjust the walk by loosening the bolt so that you can move the arm up and down.

Note: (Machine is shipped with this arm in the lowest position.)

More Walk (Higher)

Less Walk (Lower)

**STEP 3.** Replace the cover.
Routine Cleaning and Oiling

Routine cleaning and oiling is very important to the longevity of your quilting machine. Brush out the fuzz from around the hook and foot. Change your needle regularly to avoid thread breakage, tension problems and needle breakage. A worn needle can mean skipped stitches, shredded thread and a weakening of the needle itself. These things can lead to stitch quality issues.

Lint has a tendency to build up in the bobbin case. A tiny amount of lint can cause poor stitches. Check the bobbin case each time you change the bobbin to keep it clean. We suggest using a soft bristle brush to wipe out the bobbin case and the bobbin area. Canned air only blows the lint around. By using a soft bristle brush you collect the dust on the brush. Occasionally, place a drop of machine oil on a cotton swab to wipe out the bobbin case.

Keep your table clean of dust and oil. Clean the bars and carriage deck regularly for smooth movement.

Oiling is extremely important to the longevity of your quilting machine. Failure to oil your machine regularly can void your warranty.

The one oiling spot marked with red arrow is marked with red paint on your machine. An oil bottle is included with your machine. The one oiling spot marked with a blue arrow contains a dip stick. Remove the dip stick by lifting it up with a finger nail or screw driver. Place drops of oil in this hole.

Recommended oiling: After every finished quilt place 3 to 4 drops of oil in the indicated spot. At this time make sure oil is present on dip stick. If not add 3-4 drops of oil in the hole where you removed the dip stick. Run machine to lubricate. For correct oil, when you are out of oil please purchase from your authorized TinLizzie18 dealer.
Bobbin Winder and Bobbins

A bobbin winder is included with your machine. The thread on a properly wound bobbin should be snug and have even layers of thread. A sloppy or mushy wound bobbin will result in poor stitch quality.

How do I wind a Bobbin?

1. Insert an empty bobbin on the bobbin winder spindle.
2. Place a cone of thread on the thread holder.
3. Bring the thread up through the guide over the cone of thread.
4. Insert the thread through the top guide hole then wrap the thread around the tension disk and through the bottom thread guide.
5. Wrap the thread around the bobbin clockwise three or four times
6. Push trip mechanism forward until it snaps into position
7. Bobbin winder will start winding the bobbin once you press the start/stop key. You can quilt while your bobbin is winding once it is full it will stop.
8. If you wind your bobbin only (When not quilting) ensure that you do not have thread in the needle to prevent jams. Also remove the bobbin and bobbin case to prevent damage.

The bobbin will fill until the trip mechanism is pushed out by the thread. It will then disengage the wheel. The bobbin should fill to just below the rim. Having the bobbin too full will cause tension problems.

Bobbin Fill Mechanism

This picture is provided for your reference should you need to make an adjustment to your bobbin fill mechanism.

Never adjust unless you are told to do so by our technicians.
Check the tension of the bobbin by holding the loaded bobbin case in one hand. With one hand under the bobbin case, hold the tail of thread and watch as the thread flows out of the bobbin case. A slight bounce should cause the bobbin case to slide down the thread. If the thread slides out of the case as you pick it up, it needs more tension. If it barely moves down the thread or doesn’t move at all, it needs less tension.

Use a small screwdriver to turn the largest set screw on the bobbin case to adjust tension. Make very, very small adjustments. Be very careful not to remove the screw as it is very small and difficult to find if lost. Remember, righty (clockwise) tighty, lefty (counter clockwise) loosey.

To place the bobbin into the machine:

1. Insert the bobbin into the bobbin case.
2. Holding the bobbin case pull the thread through the slot.
3. Draw the thread down and under the spring, making sure the thread is in the highest position of the bobbin case.
4. Place the bobbin case in the machine. Always listen for the pop as it engages in the machine.

We suggest using a soft bristle brush to wipe out the bobbin case and the bobbin area. Canned air only blows the lint around. By using the soft bristle brush you collect the dust on the brush.

Each day before you start quilting, unthread your machine past the take up lever and remove the bobbin case, place a small drop of oil in the bobbin hook area before you begin quilting. This will clean out the fuzz and lint. Place a drop of oil in the bobbin hook area. Turn your machine on to run at the slowest setting.
The Control Unit

The control unit is shown here. To activate the Lizzie Stitch Press the Lizzie Stitch Button and ensure that the light under the button is on. Now to start press the start/stop button this can be found on either controller. As the machine is moved movement is detected and the speed of the machine will adjust to keep the stitch length constant. The dial on the left side is for the stitch length adjustment. To activate the manual stitch, press the manual stitch button and ensure that the light under the button is lit. Now press the start/stop button on either controller to start. This keeps the machine speed constant. The dial on the right controller sets the machine speed. YOU ONLY USE ONE MODE OR THE OTHER. The needle position sets your machine to stop with the needle up or down. To stop with your needle up have the switch pointed up, and to stop with your needle down have the switch pointed down. This switch is also how you take a single stitch. Toggle the switch down to put the needle down and up to bring it back up for the single stitch. Taking this single stitch is also the method used to bring up the bobbin thread. All you need to do is hold the top thread while you take a single stitch then pulls the top thread to bring up the bobbin thread.
Identifying the parts for threading your machine

Please note: The takeup lever guard has been removed for a clear view for pictures only. Never run the machine without the guard in place, extreme head injury may occur. This guard is not a handle. Do not place your hand in this area, your fingers will get pinched.

1. Upper Thread Guide  
   (note some machines do not have this)  
2. Three hole Thread Guide  
3. Tension Disk  
4. Check Spring  
5. Silver Angle Bracket  
6. Thread Guide  
7. Take up Lever  
8. Thread Guide  
9. Thread Guide  
10. Thread Eyelet Above the Needle  
11. Needle
How Do I Thread the Machine?

1. Place a cone of thread on the thread holder (Figure 1)

2. Pull thread through eyelet above the cone of thread. Make sure the eyelet is directly above the thread cone. (Figure 1)

3. Thread the upper thread guide. (Figure 2)

4. Weave thread as shown on three hole thread guide. (Figure 3)
5. Take thread between the two tension disks from back to front all the way around. (Note gently floss the thread around the tension disk to ensure that you get the thread between the disk and not on either side.) Bring the thread up and over the check spring. Be sure the thread is going between the disks and go far enough to catch the check spring. The check spring should come down as you pull the thread. Pull thread tightly to ensure the thread is in the tension disk. (Figure 4)

6. Thread runs under silver angle bracket. (Figure 4)

7. Bring the thread up through the thread guide just above the check spring. (Figure 4)

8. Take thread through the take up lever from back to front. (Figure 5)

9. Bring the thread down through the two thread guides on the left side.

10. Bring the thread through the thread eyelet directly above the needle (Figure 5)

11. Thread the needle front to back. (Figure 5)

Tip: Use a dental floss threader to thread the guide directly above the needle. The threader will also thread your needle.

Figure 4

Figure 5
How Do I Change the Needle?

A 134RSAN needle (size 18) will be installed on your Ansley from the factory. When it is time to replace the needle you can easily install one. Be sure the power switch is off on the machine. Remove the bobbin case.

To remove the needle use the smaller screwdriver included with your machine. Loosen the screw just above the thread guide on the needle bar; the needle should fall out as you loosen the screw. (DO NOT REMOVE THIS SCREW ALL THE WAY)

Look closely at the needle. Your home sewing machine needle shank (top of the needle) has a flat side. The top of the long arm machine needle is round. On the point end of the needle there is a scarf, or notch, in one side. The scarf must face the back of your machine. The long groove at the eye of the needle faces you as you insert the needle.

Why does the scarf go to the back of the machine?

When the needle goes down through the fabric into the bobbin case, the hook comes around behind the needle to pick up the thread. The scarf has to be there to provide a way for the hook to get between the needle and the thread in order to pick up the thread.

Place the new needle up in the slot, making sure the needle is up in the needle bar as far up as it will go. Make sure the scarf is facing the back of your machine. Tighten the screw on the needle bar while holding the needle up.

Before you turn your machine on go to the back of the machine and turn the hand wheel a complete turn making sure the needle goes down in the center of the throat plate and the hook in the bobbin area rotates with the needle smoothly. Put the needle down as far as possible. In the bobbin area, you should be able to see you the eye of the needle. When the hook rotates it picks up the thread at the back of the needle then the top thread pulls the bobbin thread up to create a stitch. The scarf must face the back of your machine.
How Do I Make Adjustments to Make the Perfect Stitch?

Understanding how your long arm machine makes a stitch will help you make the proper adjustments to make the perfect stitch. The technique all long arm machines use to make a stitch is basically opposite of the home sewing machine. The home sewing machine is designed to press together two layers of fabric and sew while the fabric is held in place by the presser foot. Long arm machines are designed to press and sew multiple layers together while the machine head is moving. The difference is that there is practically no needle deflection on a standard sewing machine and a large amount of needle deflection on the long arm. The higher the tension, the more the needle will deflect. Another cause for the needle to deflect on a standard machine is the type of fabric being sewn. A tightly woven fabric tends to force the needle in different directions as it penetrates the fabric. This type of deflection depends greatly on the type of needle and type of point you use, such as a ball point or sharp point.

Needle deflection, what is needle deflection? What causes needle deflection? How is needle deflection related to the stitches on my quilt?

On a long arm quilting machine a stitch is mechanically created the same as a home sewing machine except the quilter is the feeddog moving the machine head over the fabric. The hopping foot presses the fabric together tighter and quicker than a home sewing machine presser foot because the fabric must be able to slide between the foot and the needle plate as the machine is sewing. This means that the machine is moving while the needle is in the fabric. The worst thing for a needle is to be in the fabric while the machine is moving which bends the needle, creating needle deflection.

Good stitches will interlock in the batting between the quilt top and backing. In real life, this goal is rarely achieved. For this reason, you need to be aware that you will have “pokies” if you use different colors of thread on top and in the bobbin. Pokies are where you can see tiny dots of the contrasting thread where the bobbin catches the top thread. If there is slightly more tension on the top than on the bottom, then you will see the pokies on the top side of the quilt. If the greater tension is on the bobbin, then you will see the pokies on the back of the quilt. If the pokies are objectionable to you, use the same color thread on both top and bottom.
Tension, tension, tension...

This probably causes more problems than anything else. You need correct tension on the top and bottom threads but you also must have correct tension on the quilt held between the bars. You should be able to gently rock the belly bar where the backing fabric is attached. This allows enough movement of your quilt layers for the needle to penetrate and make good stitches.

Before you start making adjustments to your machine ask yourself, “What changed?” If your machine was stitching great and all of a sudden it has loopies on the back or puckers, “What changed?” Did you just change the bobbin? Did you just lift the take up bar? Did you lower the take up bar after finishing your last quilt? Did you recently change the needle? Did you just roll the quilt?

If the take up bar with the quilted portion of your quilt is too high, it will result in poor stitch quality. You need a fingertip space between the quilt and the machine bed. Higher will result in poor stitch quality. Lower and the quilt will create a drag on your machine’s movement.

Look at your bobbin, a sloppy wound bobbin will not create a good stitch. Make sure that the threads on the bobbin are snug and evenly wound. Check to see if there is a piece of lint in the bobbin case.

Tension Trouble shooting checklist
- Is the side tension lever down?
- Have I oiled my machine regularly?
- Is the quilt too tight on the frame?
- Is the thread coming off the cone freely?
- Has your thread jumped out of the tension discs?
- Check your threading. Has anything been missed or has the thread flipped itself around something, increasing your tension?
- Is the hopping foot too high or too low?
- Is your take up bar too high? Did you lower the take up bar after your last quilt?
- Do you need to change your needle?
- Is your needle in properly?

Top Thread Breaking
- Check to see that your thread is coming off the spool freely. The thread guide is centered over the spool and has not developed any burrs or catches.
- Check to see if the thread has looped itself around the spool pin.
- Check to see if the needle is in correctly, with the scarf facing the back of the machine.
- Have you recently changed the needle? Is it as high as it will go in the needle bar?

The Stitch Regulator does not keep up with me? Just like driving your car you need to make controlled starts and stops, practice being consistent in your movements.
Eyelashes
Eyelashes on the back of the quilt can be caused by too little top tension. Turn the thread tension disk clockwise ¼ turn. Make small adjustments. Repeat until stitch quality is good. Remember the upper and lower thread play tug of war with each other.

Loose Top Stitch
Is the tension lever handle down? It lowers the hopping foot and applies the tension disk.
Is the bobbin thread inserted in the slot of the bobbin case?
Adjust the tension disk small turns clock wise. Repeat until stitch quality if good.

Quilt Top Puckerers
Is your backing fabric stretched too tight? While the backing fabric needs to lie flat and without wrinkles, stretching it too tight can make the quilt top pucker. After stitching and releasing the backing fabric the top will pucker.

The top tension is too tight. Adjust the tension disc small turns counter clockwise. Repeat until stitch quality is good.

Stitches are Skipped
Skipped stitches leave needle holes without thread while large and small stitches in regulated mode means the encoders are not picking-up the signal of your movements because of lint or thread stopping or slowing the reading.

First, check to see that your machine is threaded correctly. Look at the check spring, does the thread lay in the check spring? When properly threaded the check spring will move up and down as the machine is stitching and the thread is flowing freely.

Check the needle. Be sure it is all the way up into the shaft and the scarf is toward the back. If it has been used for some time, replace the needle. A blunt needle will make a popping sound as it penetrates the quilt sandwich.

Machine Drags Making it Difficult to Move
Check to make sure the quilt on the take up bar is not dragging on the bed of the machine. A finger tip distance between the take up bar and the bed of the machine is all that is necessary. Elevating the take up bar too high can cause loopies on the back. Look for lint or thread that might be snagging as you move the machine.

Difficult to Control the Movement of the Machine
Check for lint or other debris on the track and bars. Sometimes the smallest pieces of thread create the biggest headaches.
Check Spring Replacement/Tension Knob

**Figure 1:** Tension Assembly with broken Spring (old tension knob)

**Figure 2:** Tension Assembly with good spring

**Figure 3:** Screw on inside of machine loosen only DO NOT REMOVE

**Figure 4:** Remove assembly from machine. Be careful of release pin (see figure 6)

**Figure 5:** Machine with tension assembly removed

**Figure 6:** Tension assembly out of machine. DO NOT LOOSE PIN

**Figure 7:** Loosen screw only DO NOT REMOVE

**Figure 8:** Remove tension assembly from barrel

**Figure 9:** Tension assembly, Barrel

**Figure 10:** Remove spring

**Figure 11:** Spring Removal

**Figure 12:** Spring Removed
Figure 13: New Spring, This is what was broken

Figure 14: Insert New Spring

Figure 15: Twist while inserting new spring

Figure 16: New spring in place

Figure 17: Insert the tension assembly back in barrel

Figure 18: Insure that you are all the way in

Figure 19: Give the tension assembly a twist until you feel resistance on the check spring

Figure 20: Tighten screw. Make sure pin is still there

Figure 21: Place the assembly back into your machine

Figure 22: Once in ensure that your check spring is at 11:00 (refer to fig 26 for correct placement)

Figure 23: Press in and notice the tension disk opens

Figure 24: Release and the disk will close; this is the proper place for your tension assembly
Figure 25: Tighten screw on your machine

Figure 26: Tension assembly back in place with new check spring at 11:00

Figure 27: For fine adjustment of check spring insert screwdriver turn clockwise for more tension

Timing between needle and rotating hook

Remove the two needle plate screws from your machine.

You will need to remove the three Face Plate screws

The protecting flange of the position bracket A should be engaged in the notch B of the bobbin case holder. D is set screw to adjust hook timing. (Photo on the right is actual machine as shown in Drawing) Drawing and photo show correct timing.
Turn the hand wheel to locate the needle at its lowest position. Note: correct needle position is when you can see a small portion of the eye of the needle. This picture shows correct location.

Loosen Needle bar connecting screw A. This will allow you to raise and lower needle bar for correct location. Note: Check all photos before making any adjustments.

Adjusting rotating hook point timing with needle. Turn the hand wheel counter clockwise to locate needle to its lowest position. At lowest position turn hand wheel to raise needle 2.5 mm (1/8”). Hook point should be just above eye of needle.

This picture shows needle bar and hook point at the proper location. After needle bar rise. Note: if hook point is not in this location reference drawing 31 loosen screw D there are three screws. At this point the rotating hook can be moved freely on its shaft. To locate proper timing.

When adjusting the rotating hook point timing also note that clearance between notch bottom of needle D and hook point C must be maintained. Hook can not rub against needle.

Also see drawing 31 for better view.