



TROUBLE SHOOTING GUIDE

Before calling for service, check the following items. If the problem still persists, contact Singer at www.singer.com

Problem	Cause	Correction	Reference
	1 .The machine is not threaded correctly.	1 .Rethread the machine.	Page 18
	2. The thread tension is too tight.	2. Reduce the thread tension (lower number).	Page 21
	3.The thread is too thick for the needle.	3. Select a larger needle.	Page 13
breaks	4.The needle is not inserted correctly.	4. Remove and reinsert the needle (flat side towards the back).	Page 13
	S.The thread is wound around the spool holder pin.	5. Remove the reel and wind thread onto reel.	Page 18
	6. The needle is damaged.	6. Replace the needle.	Page 13
Lower thread	1 .The bobbin case is not inserted correctly.	1 .Remove and reinsert the bobbin case and pull on the thread. The thread should pull easily.	Page 17
breaks	2. The bobbin case is threaded wrong.	2. Check both bobbin and bobbin case.	Page 17
	S.The lower thread tension is too tight	3. Loosen lower thread tension as described.	Page 21
	1 .The needle is not inserted correctly.	1 .Remove and reinsert needle(flat side towards the back).	Page 13
	2.The needle is damaged.	2. Insert a new needle.	Page 13
Skipped	S.The wrong size needle has been used.	3. Choose a needle to suit the thread.	Page 13
stitches	4.The foot is not attached correctly.	4. Check and attach correctly.	Page 73
	S.The machine is not threaded correctly.	5. Rethread the machine.	Page 18
	1 .The needle is damaged.	1 .Insert a new needle.	Page 13
	2.The needle is not correctly inserted.	2. Insert the needle correctly (flat side towards the back).	Page 13
	3. Wrong needle size for the fabric.	3. Choose a needle to suit the thread and fabric.	Page 13
Needle breaks	4. The wrong foot is attached.	4. Select the correct foot.	Page 75
	S.The needle clamp screw is loose.	5. Use the screwdriver to firmly tighten the screw.	Page 11
	6. The presser foot that is used is not appropriate for the type of stitch that you wish to sew.	6.Attach the presser foot that is appropriate for the type of stitch that you wish to sew.	Page 73
	7.The upper thread tension is too tight.	7. Loosen the upper thread tension.	Page 21
	1 .The machine is not correctly threaded.	1 .Check the threading.	Page 18
	2. The bobbin case is not correctly threaded.	2.Thread the bobbin case as illustrated.	Page 17
	3. Needle/fabric/thread combination is wrong.	S.The needle, size must suit the fabric and thread.	Page 13
	4.Thread tension is wrong.	4. Correct the thread tension.	Page 21
Seam	1 The needle is too thick for the fabric.	1. Select a finer needle.	Page 13
gather or	2.The stitch length is adjusted wrong.	2. Readjust the stitch length.	Page 27
pucker	S.The thread tension is too tight.	3. Loosen the thread tension.	Page 21



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Problem	Cause	Correction	Reference
	1 .The needle thread tension is too tight.	1 .Loosen the thread tension.	Page 21
Seam	2.The needle thread is not threaded correctly.	2.Rethread the machine.	Page 18
puckering	3. The needle is too heavy for the fabric being sewn.	3. Choose a needle to suit the thread and fabric.	Page 13
	4. Shorten stitch length is too long for the fabric.	4. Make stitch dense.	Page 27
	1 .The correct presser foot is not used.	1 .Select the correct foot.	Page 73
Patterns are	2. The needle thread tension is too tight.	2. Loosen the thread tension .	Page 21
distorted	3.The stitch length is not suitable for the fabric being sewn.	3. Make stitch adjustment.	Page 27
	1 .Thread is caught in the hook.	Remove the upper thread and bobbin	Page 69
The machine jams	2. The feed dogs are packed with lint.	case. Turn the handwheel backwards and forwards by hand and remove the thread remnants.	
	1 .Lint or oil have collected on the hook or needle bar.	1 .Clean the hook and feed dog as described.	Page 69
	2. The needle is damaged.	2. Replace the needle.	Page 13
The machine is noisy	3. Slight humming sound coming from internal motor.	3. Normal	--
	4.Thread is caught in the hook.	Remove the upper thread and bobbin	Page 69
	5. The feed dogs are packed with lint.	case. Turn the handwheel backwards and forwards by hand and remove the thread remnants.	
	1 .Poor quality thread.	1 .Select a better quality thread.	Page 13
Uneven stitches,	2.The bobbin case is threaded wrong.	2. Remove the bobbin case, the thread and reinsert correctly.	Page 13
uneven feed	3. Fabric has been pulled.	3. Do not pull on the fabric while sewing, let it be taken up by the machine.	--
	1 .The machine is not turned on.	1 .Turn on the machine.	Page 9
	2.The Start/stop button was not pressed.	2. Press the Start/stop button.	Page 24
	3. The presser foot lever is raised.	3. Lower the presser foot lever.	Page 23
The sewing machine doesnt operate	4.The Start/stop button was pressed, even through the foot controller is connected.	4. Do not use Start/stop button when the foot controller is connected. To use Start/stop button, disconnect the foot controller.	Page 24
	5.A thread is caught in the hook race.	5. Remove the upper thread and bobbin case. Turn the handwheel backwards and forwards by hand and remove the thread remnants.	Page 70
	6. The machine is not plugged in.	6. Connect the power line plug to the electric outlet.	Page 9