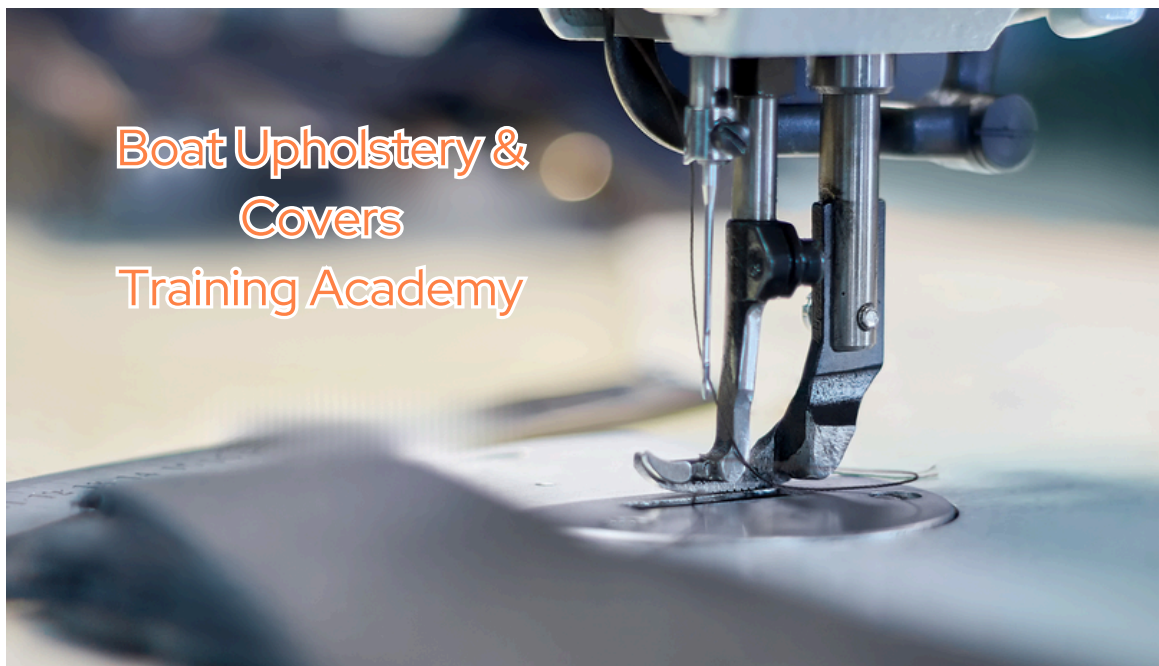


Machine Problem Solver



Boat Upholstery &
Covers
Training Academy

Cause	Key Cause	Solutions
Needle Breaks	Incorrect needle size, improper threading, or fabric pulling.	1. Match needle size to fabric. 2. Ensure proper threading. 3. Avoid pulling fabric.
Skipped Stitches	Needle is dull or bent, Wrong needle size or machine timing out.	1. Replace with a new needle. 2. Use correct needle type. 3. Check timings on machine
Thread Breaks	Incorrect threading. Needle eye too small, or tension too tight. Damaged needle	1. Use a needle with a larger eye. 2. Adjust tension settings. 3. Check how machine is threaded. 4. Replace the needle
Fabric Puckering	Stitch length size too large, or excessive tension. Blunt needle	1. Choose a smaller stitch length. 2. Adjust machine tension. 3. Change your needle
Needle Not Picking Up Bobbin Thread	Needle is bent or not inserted properly. Could be too small	1. Re-insert or replace the needle. 2. Check needle position & go up a size
Uneven Stitches	Needle is dull, or machine is improperly threaded. Incorrect tension	1. Change to a sharp needle. 2. Re-thread the machine. 3. Adjust tension
Needle Hitting Throat Plate	Needle is misaligned or bent.	1. Realign or replace the needle. 2. Check throat plate alignment.
Frayed Stitches	Needle is too small, Tension too tight,	1. Replace the needle with a larger one. 2. Check the tension and adjust. 3. Check the

	Damaged thread, burr on throat plate	thread 4. check for burrs on the throat plate.
Irregular Stitches	Wrong needle size, Incorrect threading, Upper tension too loose, Operator pulling fabric, Unevenly wound bobbin	1. Use the correct needle size. 2. Re-thread the machine. 3. Adjust tension. 4. Don't pull the fabric when sewing, let the machine do the work. 5. Use an evenly wound bobbin
Fabric Doesn't Feed Properly	Not enough pressure from the foot, Feed dogs not gripping enough or out of line, needle plate out of line	1. Adjust the foot pressure. 2. Check the feed dogs are raising enough to grip the material. 3. Check the needle plate screws and alignment
Bobbin Thread Breaks	Bobbin case incorrectly inserted, Bobbin doesn't turn in case, Bobbin tension too tight, Wrong size bobbin in case	1. Remove bobbin and re-insert with thread going clockwise. 2. Check the bobbin turns smoothly in the case. 3. Adjust the tension. 4. Check you have the correct bobbin size for the case

By following this guide, you can troubleshoot the most common issues with industrial sewing machine needles and stitches and ensure a smoother, more efficient sewing experience.

Check our Website for helpful videos and info www.boatcoversacademy.com
