TROUBLESHOOTING
If the following problems occur, please check the suggestions below:

NEEDLES BREAKING:
If the needle breaks it may be caused by one of the following:
• Avoid pulling materials when stitching.
• Do not attempt to sew heavy materials with too small of a needle.
• The needle may be hitting the needle plate.
• There may be incorrect clearance between the needle and the hook point.

NEEDLE THREAD BREAKS:
If the needle thread breaks it may be caused by one of the following:
• Improperly threaded machine.
• Needle thread tension being too tight.
• The thread being too coarse for the size of needle being used.
• The needle being incorrectly installed.
• The needle is improperly threaded.
• The take-up arm is bent or obstructed.
• Check to see if the needle is bent or has burrs.
• Check to see if the needle has a dull point.
• Bobbin thread too tightly or unevenly wound.
• Bobbin inserted wrong into bobbin case.

BOBBIN THREAD BREAKS:
If the bobbin thread breaks it may be caused by one of the following:
• Improperly threaded bobbin.
• Bobbin thread tension being too tight.

SKIPPING STITCHES:
If the machine skips stitches it may be caused by one of the following:
• Check to be sure needle is fully seated in the needle bar and is securely fastened in place.
• Check to be sure needle is not blunt or bent.
• Check to be sure needle size and thread size are compatible.
• Check to be sure bobbin case area is clear of debris and moves freely.
• Check to be sure material is not jumping which can cause missed stitches.
• Make sure you are holding thread ends to begin stitching.

POOR LOOPECING OF STITCHES:
• Stitch is too loose on top, tighten bobbin tension.
• Bobbin incorrectly placed in bobbin case.
• Bobbin not threaded.
• Bobbin case not clean and free from dirt.