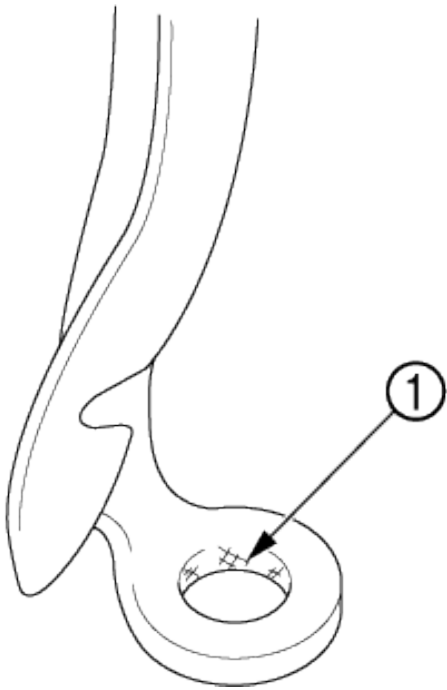




Trouble Shooting Sewing Machine



Why does the needle keep breaking?



(1) Scratches or Burrs

Replace the presser foot.

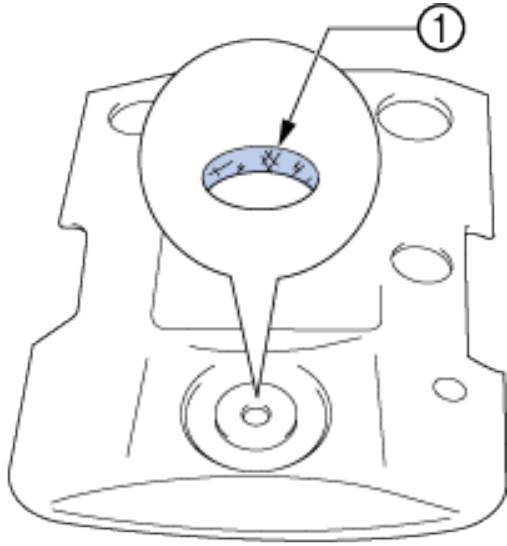
- The bobbin or bobbin case are not correctly installed.
- Remove and reinstall bobbin and bobbin case.

The upper thread is not threaded correctly. The upper thread is catching somewhere.

- Pull the upper thread by hand from below the presser foot, and check that the thread moves smoothly.
- If the thread does not move, it is not threaded correctly.

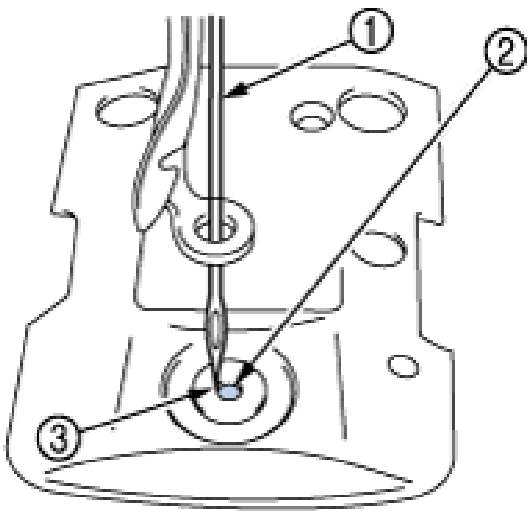
The upper thread tension is set too high. It does not run.

- Decrease the upper thread tension and make sure tension disc rotates when pulling on thread.
- The area around the hole in the needle plate is damaged.



(1) Scratches or Burrs

- Replace the needle plate



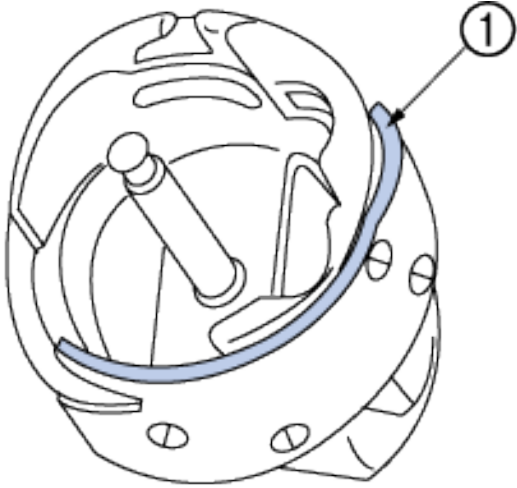
The needle hits/ touches the needle plate.

- The presser foot is set too high and not correctly positioned. The needle hits/ touches the presser foot.
- Sliding surface on hook race is not smooth. There are scratches or burrs on it

(1) Needle

(2) Hole in needle plate

(3) Needle hits hole



(1) Hook race area

- The hook is not correctly installed.
- The hook stopper is not correctly installed, the hook is making a complete rotation.
- Use the correct bobbin.
- The needle and the hook are not correctly passing each other.
- Hook timing may be OFF
- Spool cap is set incorrectly.
- Bobbin thread is incorrectly wound

REFERENCES:

- https://support.brother.com/g/b/faqend.aspx?c=th&lang=en&prod=hf_vr_eas&faqid=faqh00000316_001