

Singer T&S Bobbin Case Adjustment & Inspection

In this section, we will take apart the bobbin case, inspect for broken parts, and re-assemble.

When completed, it should be fairly close to being adjusted properly, and in good working order.

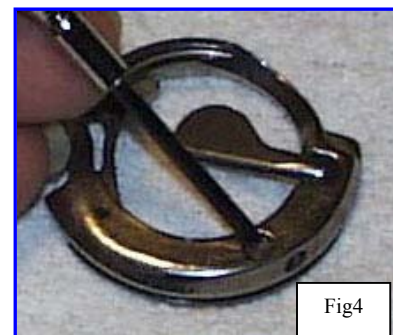
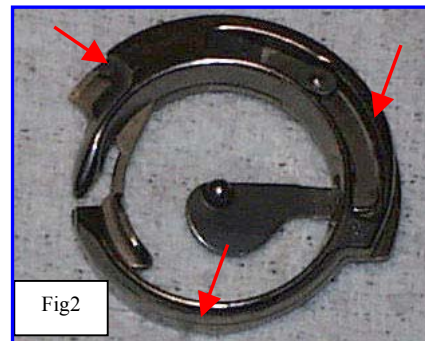
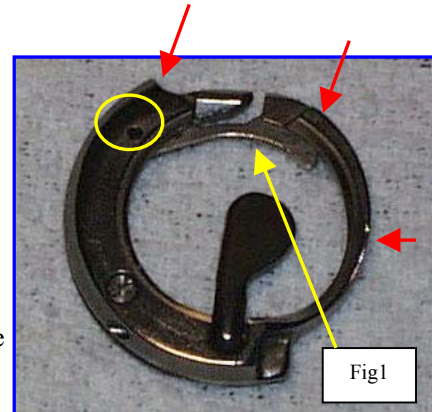
Other parts on this bobbin case are replaceable, however, due to the availability of parts, we will not cover replacing the bobbin case rail (as I wish to call it for now). But I have found it broken in many cases, and I will point it out.

Tools and equipment required:

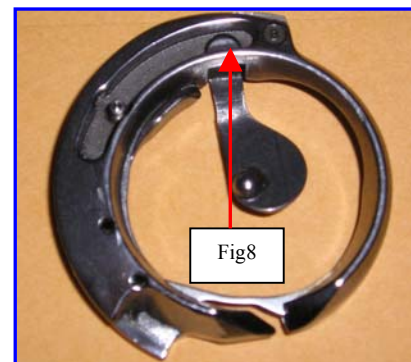
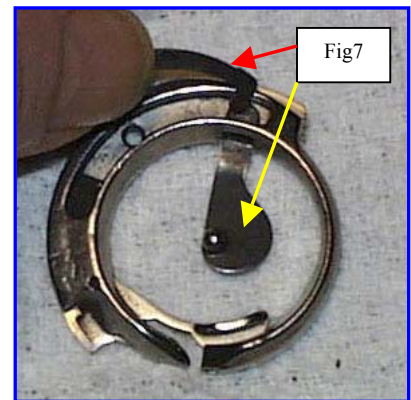
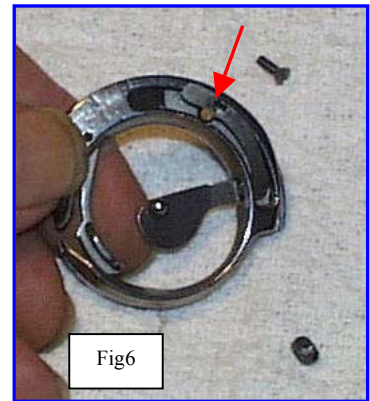
1. Tension Screwdriver
2. Pre-wound bobbin, with a very good quality thread

Tear down procedures:

1. Lay the case down on a clean cloth, and inspect the rail guard. See Fig1 yellow arrow. If this is broken, you will either need a new bobbin case, or find a sewing machine shop that salvages these little parts. It is replaceable by punching out the little roll pin to the left (yellow circle), and inserting a new one. This part should also move freely in the case, but if it doesn't, don't worry about it too much right now. It'll continue to function as it should.
2. Inspect the bobbin case for damage, or broken parts, as indicated by the red arrows in Fig1, Fig2, and Fig3. Any damaged, or broken part of the case will cause problems. Look for cracks in the metal, split race railing where it rides on the hook, or chips/gouges in the area where the hook enters the case (see blue arrow)
3. Remove the screw as shown in Fig4. Turn it counterclockwise.



4. Once the screw is loosened enough, the little oval nut will fall out. Fig5. Lay the nut and screw to the side.
5. Turn the case over to reveal the bottom side, and you'll notice the tension bar. Fig6.
6. Remove the tension bar, indicated by red arrow.
7. Clean and re-inspect the case for any damage.
8. Re-assemble case by either laying it down on a flat surface, or holding in the hand. Just ensure that the bobbin holder arm is down, as if to hold the bobbin in place, yellow arrow, Fig7.
9. Insert the tension bar (Fig7, red arrow), so it goes over the holding arm, and not as shown in Fig8, red arrow.



10. Fig9 shows the tension bar properly placed.
11. Insert the oval nut into place, and line up with the screw hole. Fig10
12. Grasp the case in a comfortable fashion, somewhat as shown in Fig11, and insert the screw (reference Fig4), and tighten to the point that it starts to become snug.
13. Insert the pre-wound bobbin, pull off some extra thread, about 4 to 5 inches, and let the bobbin case dangle in the air. Fig12.
14. Holding the thread in one hand, gently give the thread a tug, and watch to see if the case drops some on the thread. It should move a little downwards, dropping some, and then stopping. Then give another tug on the thread, and see if it drops again some, about the same distance. This will be a good starting point for proper bobbin tension. Final adjustments can be made by test sewing now. Either tighten or loosen the screw as needed to achieve a proper stitch.



Note:

Top tension settings for:

600 series = around 3 to 5, as a rule of thumb, usually 3 on the dial

700 series = around 5 as a rule of thumb, usually 5 on the dial

Hope you find this helpful, and always feel free to drop me a line at: tf43@yahoo.com
If I'm still around, I'll do what I can to assist.

