

ESE AND ESE2 REPAIR PROCEDURE

1. ____ Power-up machine:
 2. ____ Make stitch selections and test LCD module.
 3. ____ Press thread cutting button. Make sure scissors activate.
 4. ____ Inspect center needle. Make sure needle clamp is OK
 5. ____ Unplug machine.
 6. ____ Remove all covers except rear.
 7. ____ Remove needle plate and bobbin case. Inspect both.
 8. ____ Inspect condition of outer hook. Clean and buff if burred. Check backlash and up and down play in hook shaft.
 9. ____ Check for left and right play in upper and lower shafts. If play, adjust black collars.
 10. ____ Remove thread delivery unit. Inspect tension rollers and motor. Replace if worn.
 11. ____ Inspect check spring and sensor. Clean and adjust as needed and inspect plastic housing for thread marks (grooves).
Check sensor in test mode #11
 12. ____ Lubricate needle bar area, upper and lower shaft bushings and all other moving parts, including feed block.
 13. ____ Check for wear on feed lift cam to insure feed drop lever will move left and right.
 14. ____ Inspect conditions of thread cutting blades.
 15. ____ Inspect motor drive belt and bobbin winder tire.
 16. ____ Check rear cover (under bobbin winder thread guide cover) for thread grooves.
 17. ____ Reinstall front panel. In test mode # 5, check and adjust needle clearance and timing.
 18. ____ Reinstall bobbin case and inspect bobbin case bracket.
 19. ____ Inspect thread cutter lever that lies across top of bobbin case. (Should not press too hard on bobbin case)
 20. ____ Reinstall needle plate – check feed dog position test mode #6.
 21. ____ Check needle position in Test Mode #4.
 22. ____ Reset LCD pressure points (1-5)
 23. ____ Check fabric thickness (0 mm) test mode 7.
 24. ____ Check test mode 21 is set at -10% ESE2 only.
 25. ____ Wind bobbin and inspect bobbin winder and stopper.
 26. ____ Inspect needle threader. Adjust if needed.
 27. ____ Reinstall covers – Sew off the following:
 - ____ Fine adjustment of stitch / adjust feed motor if needed.
 - ____ Buttonhole
 - ____ Straight stitch
 - ____ Zig zag
 - ____ 2 or 3 reverse stitches
 - ____ Basting stitch
 - ____ Decorative stitch
 - ____ Character stitch A,B,C
- Embroidery Unit
- ____ Remove covers
 - ____ Clean all gears (remove thread)
 - ____ Lubricate shafts
 - ____ Inspect belts – adjust if needed

Sew off design with an outline