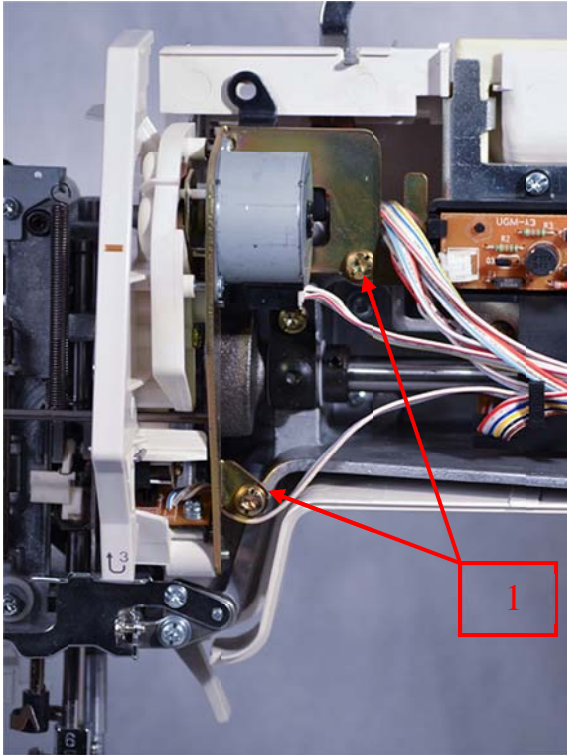
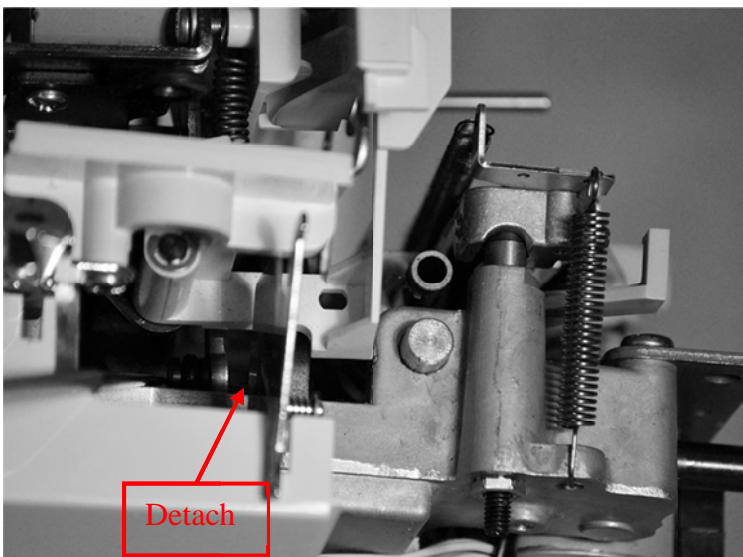


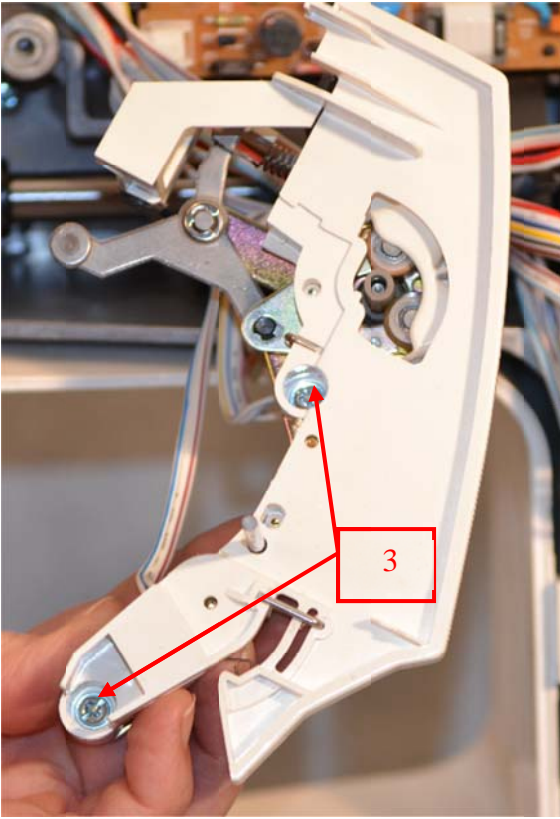
ESE, ESE2, ESL, ESP ROLLER AND TENSION MOTOR REPLACEMENT



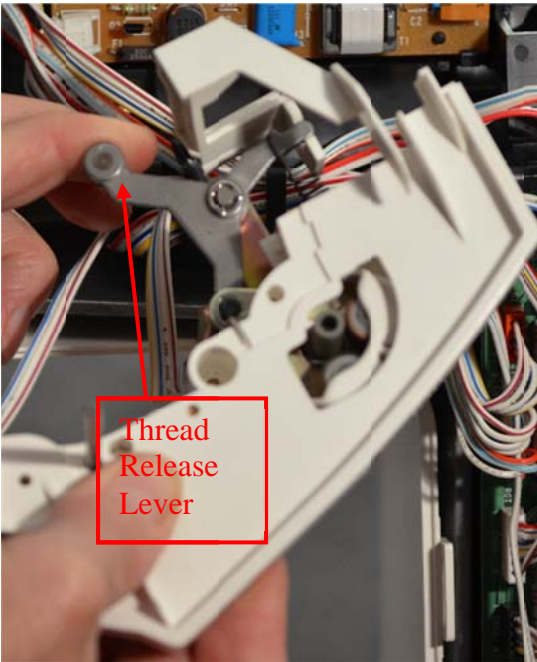
1. Remove ' 2 ' #20 Torx screws with Presser Foot Lever in the down position.



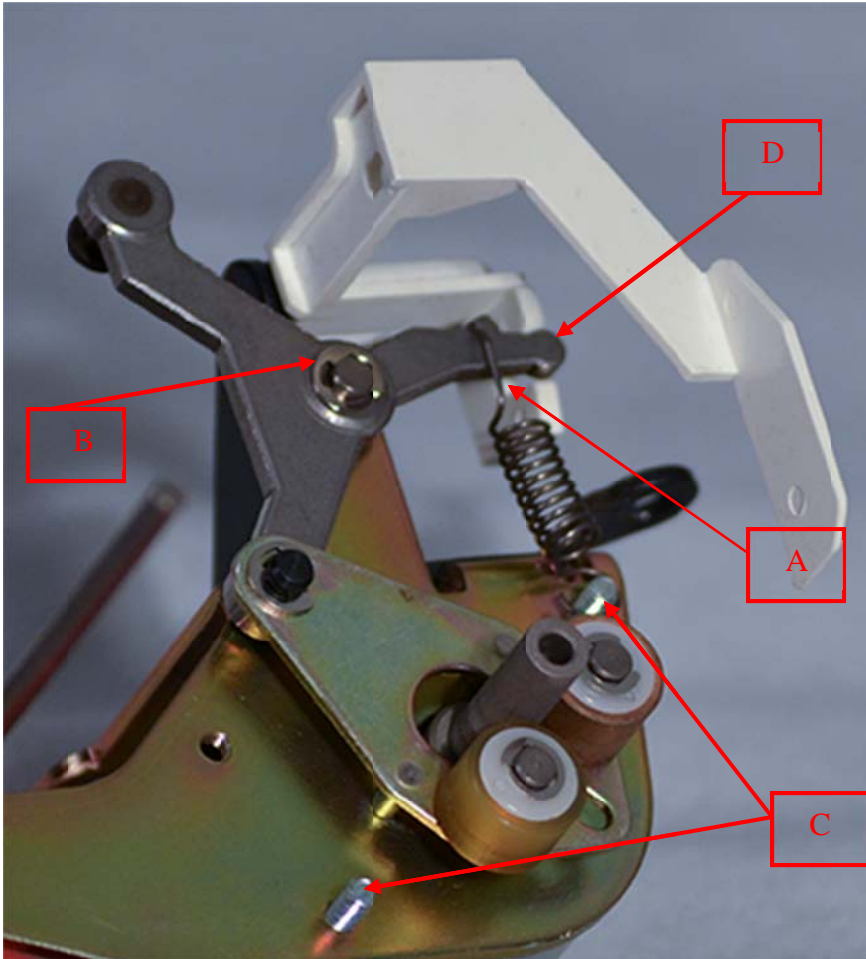
2. Detach the Shepard Hook from the Presser Foot Lever, in order to remove Roller Assembly from the machine.



3. Remove ' 2 ' Phillip screws to detach Thread Guide Cover.



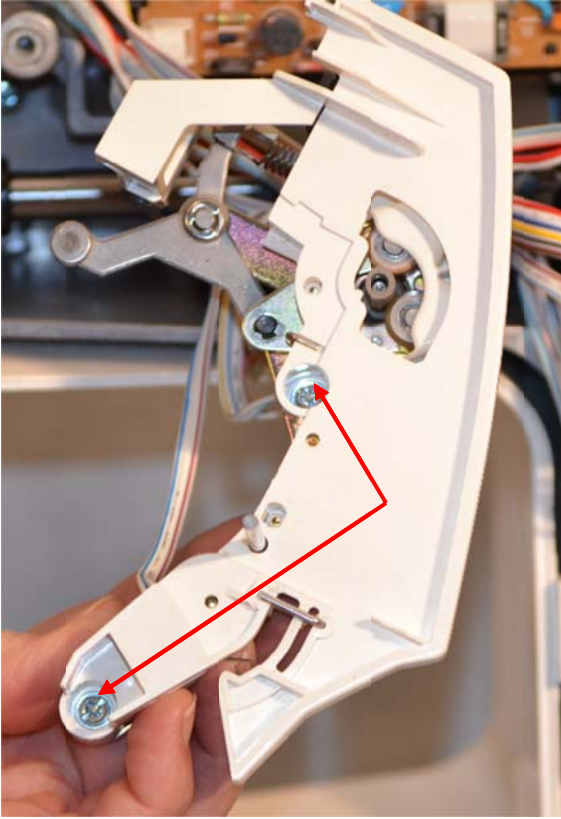
4. Pull down Thread Release Lever, to enable you to remove Thread Guide Cover.



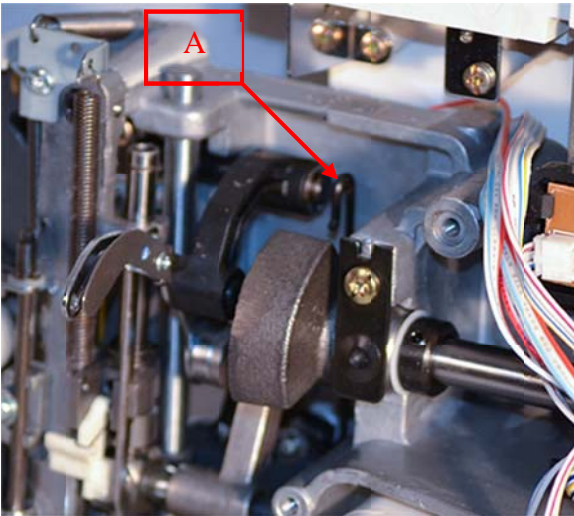
5. Replacement of Rollers and Motor

- a. To replace Rollers, first detach Spring ' A ' from release lever
- b. Detach "c" clip ' B '
- c. Remove screws ' C ' for Tension Motor and Shaft replacement (should be replaced if Shaft appears shiny)
- d. Reattach in reverse order making sure the tab ' D ' is positioned in Thread Cover

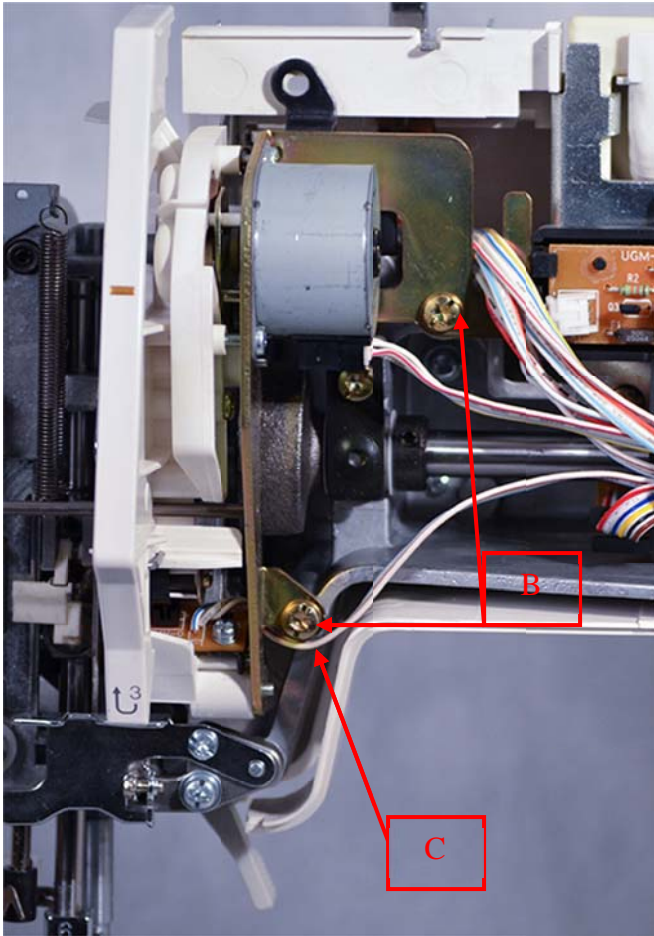
REINSTALL



6. Install ' 2 ' Phillip screws



7. Reattach Shepards Hook " A " to Thread Release Lever, insure that Presser Foot is down



8. Attach ' 2 ' # 20 Torx screws " B " being careful that the Sensor Wire is routed ' C ' properly.