

## TROUBLESHOOTING TENSION ISSUES



### TOP THREAD LIES FLAT ON THE FABRIC

- Upper tension dial too tight
- Lint in upper discs
- Machine not threaded correctly
- Lint in bobbin tension spring
- Poorly wound bobbin
- Thread not in bobbin tension spring
- Bobbin tension not set correctly



### BOTTOM THREAD LIES FLAT

- Upper thread tension is too loose
- Lint in bobbin tension spring
- Poorly wound bobbin
- Machine not threaded correctly
- Bobbin tension not set correctly



### LOOPS ON BOTTOM OF QUILT

- Thread is not flossed in top tension disks
- Top thread tension set too loose
- Machine not threaded correctly
- Burr on hook



### FABRIC PUCKERING

- Top tension too tight
- Bottom tension too tight
- Bobbin not correct size for bobbin case
- Poorly wound bobbin
- Bobbin too full