

SINGER
251-12 AND 251-13

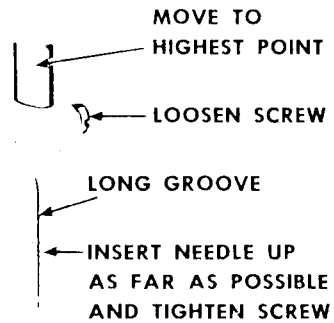
Operator's Guide

SINGER*

251-12 and 251-13 machines

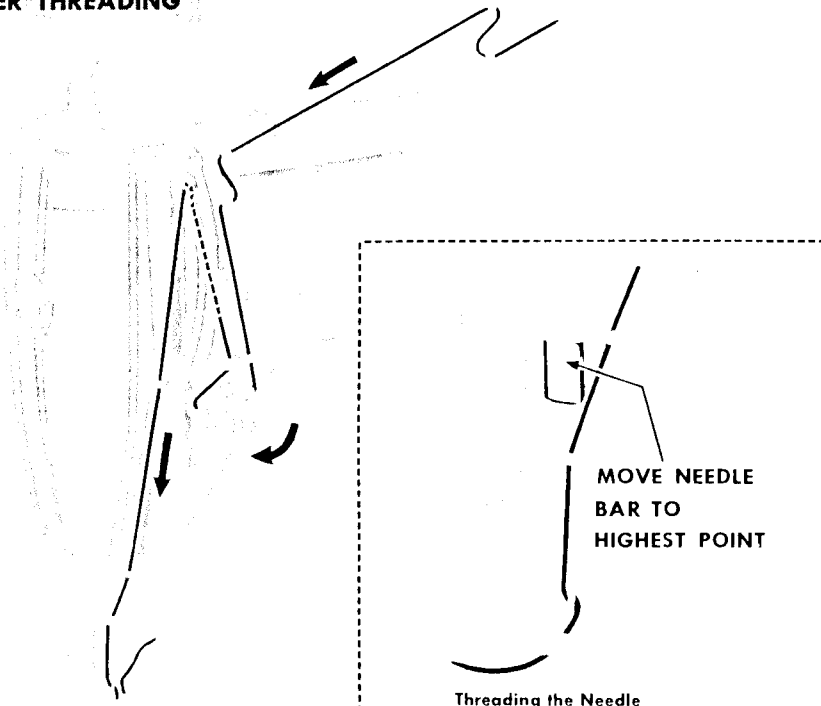
NEEDLES

Use **SINGER** Needles
Catalog 2270 (16 x 257)
with 251-12 and 251-13 Machines
or
Catalog 3066 (16 x 261)
with 251-13 Machine adjusted for
 $\frac{7}{16}$ " clearance under presser foot.
—in sizes determined by weight of
thread and type materials to be
sewn.



Setting the Needle

UPPER THREADING



BOBBIN REMOVAL

1. OPEN LATCH
2. HOLD LATCH AND PULL CASE FROM HOOK



Removing Bobbin Case from Sewing Hook

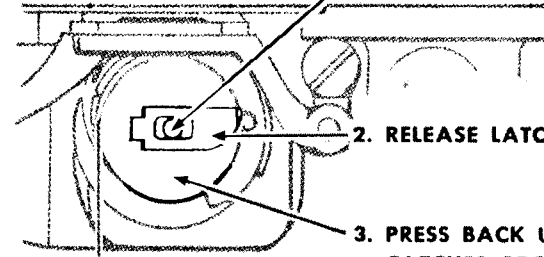


3. RELEASE LATCH
4. BOBBIN DROPS OUT

Removing Bobbin

BOBBIN CASE REPLACEMENT

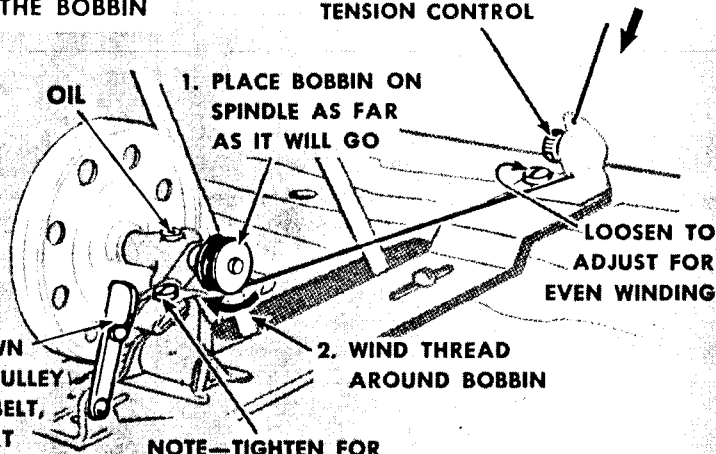
1. HOLDING LATCH, REPLACE BOBBIN CASE ON STUD
2. RELEASE LATCH
3. PRESS BACK UNTIL LATCH CATCHES GROOVE IN STUD



WINDING THE BOBBIN

TENSION CONTROL

1. PLACE BOBBIN ON SPINDLE AS FAR AS IT WILL GO
 2. WIND THREAD AROUND BOBBIN
 3. PRESS DOWN TO PUSH PULLEY AGAINST BELT, THEN START MACHINE
- NOTE—TIGHTEN FOR MORE THREAD ON BOBBIN**
- OIL**
- LOOSEN TO ADJUST FOR EVEN WINDING**



THREAD TENSIONS

Bobbin Thread.....

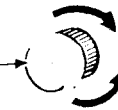
- MORE TENSION
- LESS TENSION



Tension on threads should be as light as possible, while still sufficient to set stitch correctly in material.

Needle Thread.....

- MORE TENSION
- LESS TENSION
- LOOSEN LOCK NUT

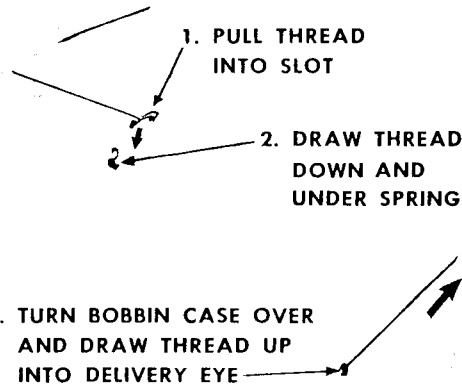
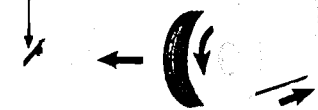


Regulate needle thread tension only when presser foot is down. Securely tighten lock nut when correct tension is obtained.

THREADING BOBBIN CASE

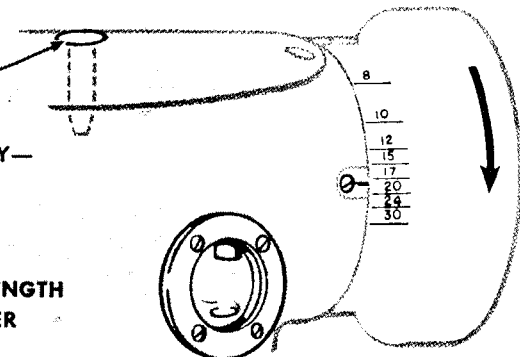
SLOT NEAR TOP

1. PULL THREAD INTO SLOT
2. DRAW THREAD DOWN AND UNDER SPRING
3. TURN BOBBIN CASE OVER AND DRAW THREAD UP INTO DELIVERY EYE



STITCH LENGTH REGULATION

1. STOP MACHINE
2. DEPRESS PLUNGER
3. TURN PULLEY TOWARD YOU SLOWLY—
4. UNTIL PLUNGER DROPS INTO NOTCH
5. THEN TURN PULLEY TO DESIRED STITCH LENGTH AND RELEASE PLUNGER



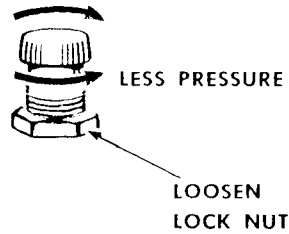
Never depress the plunger while the machine is running. Make certain that plunger is disengaged before starting machine.

PRESSER FOOT PRESSURE

The pressure on the material should be as **light** as possible, while still sufficient to insure correct feeding.

When correct pressure of presser foot on material is obtained, securely tighten lock nut.

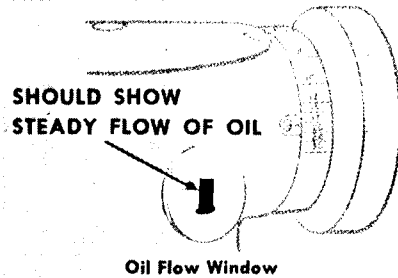
MORE PRESSURE



LUBRICATION

Use "TYPE A" or "TYPE C" OIL. Use "TYPE C" OIL when an oil is desired which will produce minimum stain on fabrics even after long period of storage.

1. TIP MACHINE BACK



2. FILL TO HIGH MARK
USE "TYPE A" OR "TYPE C" OIL

— HIGH —
— LOW — ADD OIL —

NEVER ALLOW OIL TO FALL BELOW
LOW MARK

Oil Reservoir

Should oil flow become erratic, **STOP machine** and **do not run machine again** until the cause has been corrected.

Clean out any lint or other waste around the hook and between the feed rows on the underside of the throat plate.



Sewing Equipment
For Industry

THE SINGER MANUFACTURING CO.