LUBRICATION

FOR THE AUTOMATIC LUBRICATION
USE SINGER “TYPE C” OIL ONLY

Check oil flow in window when machine is running.

Check oil flow to hook by holding a small piece of paper under the hook while machine is running. After 15 seconds, the paper should show an oil pattern of approx 1/32 inch (0.8mm).

SPEED

The maximum speeds recommended for Machines of Class 457U are-5000 RPM (4500 RPM for 457U140), however, for the first 150 hours machines should be run at least 500 RPM below maximum recommended speeds.
NEEDLES

Use Singer needles
Catalog 1906
(chromium finished)
Machine 457U140 only
Catalog 8752
(chromium finished)
—In sizes determined by size of thread and type of material being sewn.

SETTING THE NEEDLE

UPPER THREAD

1. Before threading, any remains of thread must be removed from the rotary take-up.
   
   CAUTION: Be careful to avoid injury from thread cutter 1.

2. Thread only with the needle bar in highest position.
BOBBIN REMOVAL AND REPLACEMENT

REMOVAL
1. Open latch
2. Hold latch and pull bobbin case from hook
3. Release latch
4. Bobbin drops out

REPLACEMENT
5. Holding latch, replace bobbin case on stud
6. Release latch
7. Press back until latch catches groove in stud

BOBBIN WINDER

Wind thread around bobbin
1. Place bobbin on spindle as far as it will go
2. Press lever against bobbin
**THREADING BOBBIN CASE**

1. Pull thread into slot
2. Draw thread down and under spring
3. Lead thread into slot in bobbin case
4. Draw thread up into delivery eye

Use slot A when sewing Light-weight material.
Use slot B when sewing medium-weight material.

---

**THREAD TENSIONS**

**BOBBIN THREAD**

- More Tension
- Less Tension

**NEEDLE THREAD**

- More tension
- Less tension

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

Regulate needle thread tension only when presser foot is down.
STITCH LENGTH REGULATION
457U105, 457U125, 457U135 MACHINES

REVERSE FEEDING
Turn regulating screw to desired stitch length

FORWARD FEEDING
Turn regulating screw to desired stitch length

CHANGING TO REVERSE FEED
Push lever down for reverse feeding and release for forward feeding.

STITCH LENGTH REGULATION
457U140 MACHINE

TILT MACHINE TO REAR
Loosen lock nut

Shift connecting rod:
To left—longer
To right—shorter

Tighten lock nut

RETURN MACHINE TO SEWING POSITION
ZIG-ZAG STITCH SETTING
457U105 MACHINE

Set hand lever to desired zig-zag stitch within 0-8 bight range

NEEDLE POSITIONING:
Set hand lever to desired needle positions
Left: Center: Right:

ZIG-ZAG STITCH SETTING
457U125, 457U135, 457U140 MACHINES

Locking screw for bight control lever

457U125 MACHINE
Set hand lever to desired zig-zag stitch within 0-5 bight range

457U135, 457U140 MACHINES
Set hand lever to desired zig-zag stitch within 0-8 bight range
PRESSER FOOT PRESSURE

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

CLEANING

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