NO. 264 FORK LIFT PLATFORM

No. 264 Operating Fork Lift Platform, first produced in 1957, is powered by a vibrator motor, similar in operating principle to the motor used in the Lumber Mill, and described in detail in Section ACC-464.

The driving motor is connected to the lift truck through a series of gears, as illustrated below. As the truck reaches the proper position on the front of the truck platform, it grips and lifts a piece of timber from a flat car, and carries it back to the main platform.

Service Notes

The drive line used in this mechanism is a special de-waxed 12 lb test braided nylon line in 4-foot lengths, No. 345-80. The required length of the line is given in the illustration below. To install drive line, tie the proper length of line to the tension spring, wind it 1½ times around the drive pulley, and thread it through the eyelet attached to the armature. Stretch the spring until it measures approximately 3/4 of an inch in length and crimp the eyelet to hold the line securely in place

If it becomes necessary to use a new eyelet do not attempt to rivet it in place because the eyelet must be perfectly tight and requires special riveting tools. Instead, solder it in place using acid core solder.

To reduce or increase spring tension, adjust the armature bracket with a pair of pliers, leaving a gap of .075 to .085 between armature and coil. When properly adjusted the motor should operate at 9 volts and begin to buzz at 14 volts.

Sluggish operation of truck may be caused by any of the following:

1. Excessive friction between drive arm and base of unloader-Bend drive arm up slightly by prying up with a screwdriver at the stud side of the arm.

2. Cam slide rubbing against bottom of truck platform—Lower the bent part of the drive arm with a pair of pliers.

3. Improper tension of buffer spring.—Run truck to the end of truck platform. Loosen string, holding buffer spring, stretch spring to approximately 1 7/16 inches and retighten.

4. If the truck does not reach the end of travel at track side of the platform—Shorten the motor link by bending to dotted line position as illustrated below.

Made sure there are no burrs along slot edges by polishing with emery cloth. Lubricate flat surfaces with "Molycote" or graphite powder.

Schematic Diagram of No. 264 Fork Lift Platform