

# LEDKO EDUCATOR 25" ROLL LAMINATOR

## REPAIR PROCEDURES

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### 3. Remove right or left plastic housing

- a. **Disconnect the power cord.**
- b. Gently remove the heat control knob on the right housing. There is a small hole in the knob that will have it
- c. Remove the 11 screws from the plastic housing using a phillips head screw driver.
- d. Remove the plastic housing.

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### 21. Access the rolls, drive motor, fan motor, capacitor and related wiring.

- a. Remove the left and right plastic housings as described in 3 above.
- b. On the **right** side of the machine:
  - (1.) Remove the stop collars from the ends of the top laminating and pull rollers. (1/8" allen wrench)
  - (2.) Loosen the socket head cap screw that runs through the orange rubber roll pressure spring so the bottom shoulder of the socket head capscrew is barely touching the spring washer. (5/32" allen wrench)
  - (3.) Remove the rubber roll spring holder (part # LC25 032.4). (5/32" allen wrench)
  - (4.) Remove the rubber roll pressure bar, spring holder, pressure spring and screw by gently sliding them off the ends of their respective shafts.
  - (5.) Remove the safety plate (part # LC25 034.4) covering the roll change openings with a phillips head screwdriver.
- c. On the **left** side of the machine:
  - (1.) Remove the chain at the connecting link.
  - (2.) Remove the sprockets (1/8" allen wrench)
  - (3.) Remove the rubber roll gear retaining clip rings using clip ring pliers.
  - (4.) Remove the rubber roll gears (part # LC25 PRG131).
  - (5.) Loosen the socket head cap screw that runs through the orange rubber roll pressure spring so the bottom shoulder of the socket head capscrew is barely touching the spring washer. (5/32" allen wrench)
  - (6.) Remove the rubber roll spring holder (part # LC25 032.4). Use the 5/32" allen wrench to remove the two socket head cap screws and acorn nuts.
  - (7.) Remove the rubber roll pressure bar, spring holder, pressure spring and screw by gently sliding them off the ends of their respective shafts.
  - (8.) Remove the safety plate (part # LC25 034.4) covering the roll change openings with a phillips head screwdriver.
- d. Remove the top anti-wrap shield (part # LC25 012.4) by unscrewing the two phillips head screws on each side.
- e. Remove the top motor cover (part # LC25 092.4) by unscrewing the two phillips head screws on each side.
- f. Remove rear rubber rolls by moving the roll to the roll change opening and pulling through the left side.
- g. **Reassemble in reverse order of disassembly noting the following:**
  - (1.) The 19 tooth sprocket is installed on the front laminating roll and the 18 tooth sprocket is installed on the rear pull roll.
  - (2.) Reinstall the spring holder assembly by tightening the sockethead cap screws, then back off one complete turn ( the flat washers between the cap screws and the spring holder should be just barely loose). This allows the rubber rolls to "float" under the prescribed spring pressure and to accommodate substrates up to 1/8" thick. The acorn nuts can now be tightened.
  - (3.) Adjust the rubber roll spring pressure:
    - (a.) Turn the socket head cap screw running through the spring clockwise until the bottom shoulder of the cap screw is just barely touching the flat washer at the top of the spring.
    - (b.) Using a 5/32" allen wrench, turn the cap screws 5 1/2 complete clockwise turns on the right side and 7 1/2 complete clockwise turns on the left side. This will return the rubber roll pressure spring adjustments to factory specifications.