

# Theta Digital

## Data Basic Drawer Gear Replacement Guide

- 1) Remove the AC cable and all other cables from the Data Basic.
- 2) Remove the top cover.
- 3) Remove the gray ribbon cable with the red end on it from the drive mechanism board.
- 4) Remove the 3 screws from the bottom of the chassis, that secure the drive mechanism to the chassis.
- 5) Flip the drive mechanism upside down.
- 6) Note that there are 2 headers that the motor can be electrically connected to on the bottom board. One is marked TRAY and the other is marked  $\overline{\text{TRAY}}$ . Note which one is being used.
- 7) Disconnect the cable from the motor to the board.
- 8) Remove the 3 screws that secure the board to the drive mechanism.
- 9) Gently open the drawer, all of the way.
- 10) Gently flip the board towards the front of the drawer so that the 2 ribbon cabled remain connected and unstressed.
- 11) Remove the belt from the drawer gear to the motor. Clean it with acetone, and NOT alcohol.
- 12) Remove the old tan colored wheel by pulling it straight upwards. Discard this gear.
- 13) The new (white) gear requires 2 flat washers (included) to be installed.
- 14) Place the larger flat washer on the metal shaft first, then the gear. It may be necessary to apply some white grease or light oil to the shaft.
- 15) Place the small washer over the shaft and press it until it snaps into place in the cutout of the shaft.
- 16) Reassemble the drive mechanism, noting which connector (TRAY or  $\overline{\text{TRAY}}$ ) to plug the motor cable into.
- 17) Gently close the drawer.
- 18) Reassemble the Data basic.
- 19) Test thoroughly.

