

Technical Bulletin

Please Distribute to all Sales and Service Personnel

Mettler-Toledo, Inc.
Scales & Systems

Number: MTFW-10-99
Date: 08-30-99
Model: 705
Subject: Photoeyes, Vacuum Pumps and Motor Mounts

A small number of 705 Autolabelers were shipped with the infeed (PE #1) and scale transfer (PE #2) photoeye inputs reversed. The result of this condition is that small packages may jamb up on the infeed conveyor and two packs may end up on the scale at the same time. Also, on units with Day-Glo printers, the label placement may be incorrect.

To verify this condition, block the infeed photoeye (PE #1) without blocking the transfer photoeye (PE #2). If the infeed conveyor does not start, block the transfer photoeye (PE #2) without blocking the infeed photoeye (PE #1). If the infeed runs, the photoeye connections are reversed at the J7 connector of the 705 control board. Switch the wires at pins 1,2 &3 with those at pins 4,5 &6 (See wiring diagram on the inside of the control box cover).

We have also found that in one shipment of vacuum pumps a small percentage of the regulators were set incorrectly. This would result in the 317 printers dropping or incorrectly applying the labels due to low vacuum. If you are experiencing this condition check the vacuum level from the pump. The vacuum should be at least 22 inches. If it is low, adjust the vacuum regulator located on the side of the vacuum pump head.

There have been a few instances where the adhesive used to assemble the conveyor motor bracket assembly has failed. This assembly has been redesigned to eliminate the possibility of this condition occurring. To replace a failed bracket order P/N A82803400A. The pulley must be removed from the motor to install this bracket. The pulley should extend ¼" beyond the end of the motor shaft when reinstalled.

These conditions apply to units built before S/N 3085472-3HA.