Registration Transport

As paper enters the Registration Roll, the Registration In Sensor senses the LE of the paper and informs the control logic that paper is present. The control logic compares the arrival time of the paper to the relative position of the developed image of the IBT Belt and signals the Registration Motor to adjust the speed of the paper to ensure proper registration. The Registration Motor is a servomotor that drives the Registration Drive Roll and matches the paper speed to the Xerographic process speed, at 264 mm/s.
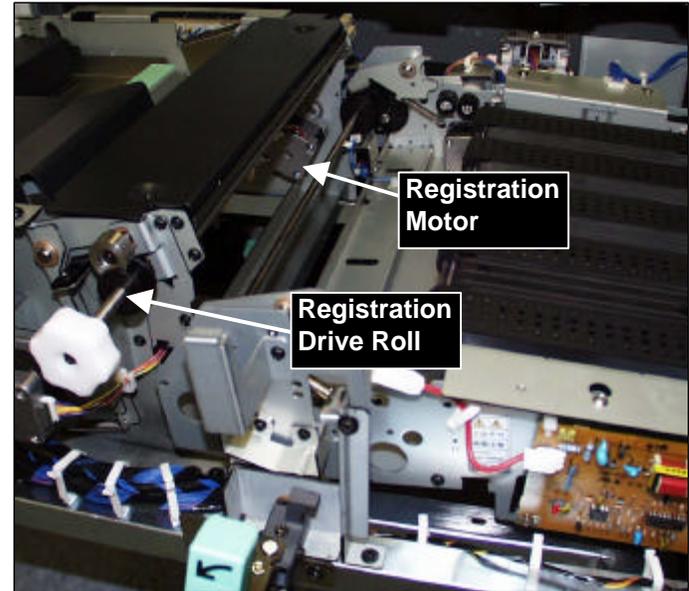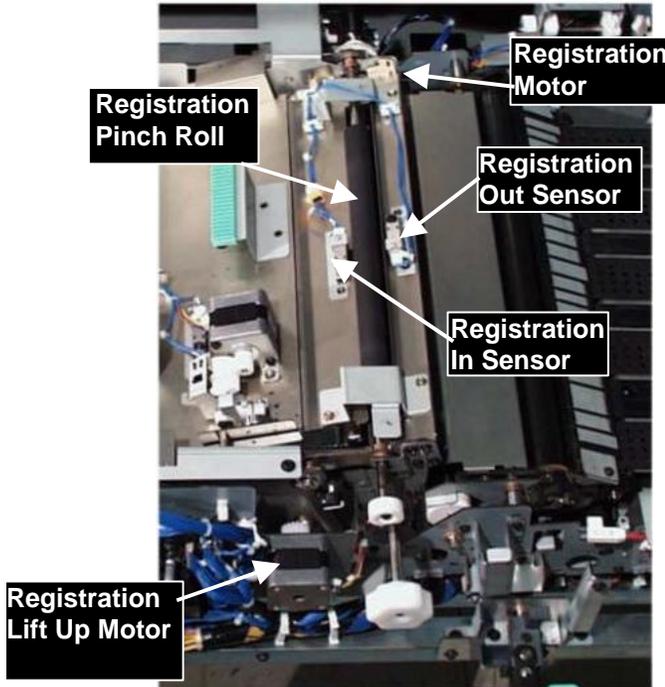
Registration Transport (continued)

The Registration Lift Up Motor lowers and raises the Registration Pinch (Idler) Roll against the Registration Drive Roll to hold the paper in place during center registration.   The Registration Lift Up Sensor monitors the position of the Registration Pinch (Idler) Roll and inform the control logic if the roll is up or down. The Hyper Regi Pwb, located at the rear of the Electrical Module provides the control and communications functions for registration control.

Registration Lift Up Sensor