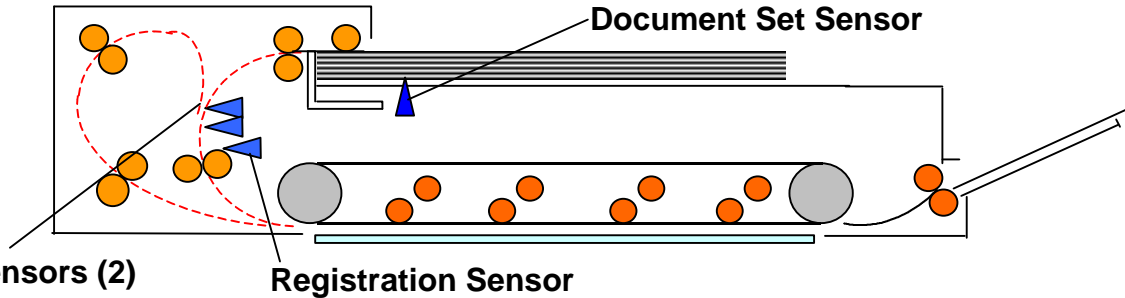


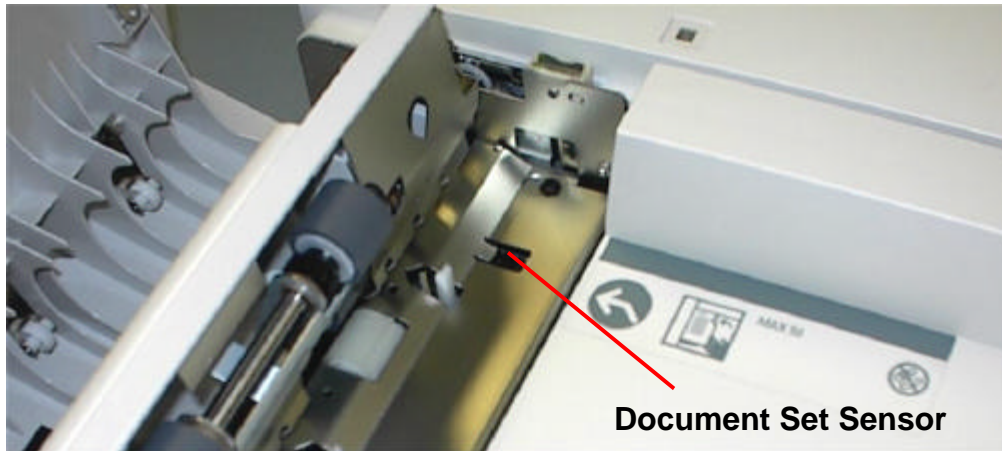
DADF Sensors - Document Handling Module

DADF Sensors

The DADF uses six sensors for detecting document transport and document size. A description of these sensors follows:



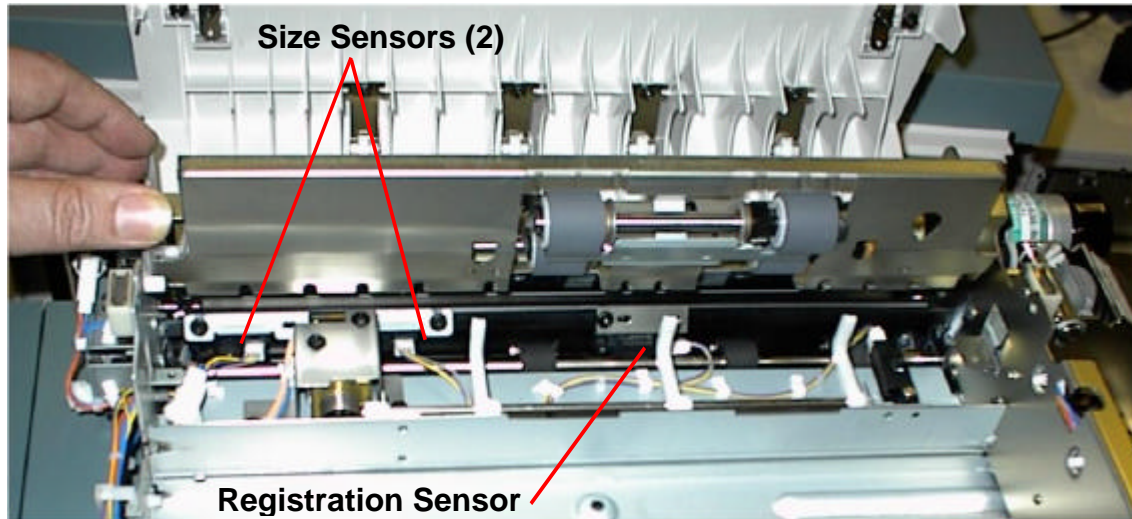
- Document Set Sensor - When a document is loaded into the Input Tray, it pushes a lever causing a flag to block this sensor. This signal is sent to the DADF Control PWB.



DADF Sensors - Document Handling Module

DADF Sensors (continued)

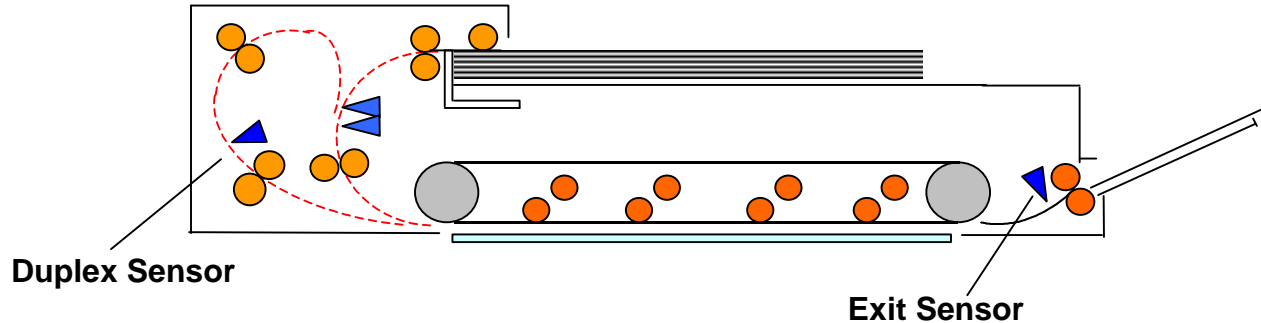
- SIZE Sensors (2) - These are reflective Optical Sensors that sense the document length of the leading edge. See DADF Document Size Sensing for more information on this function.
- Registration Sensor - This is a reflective Optical Sensor that is before the Registration Roll. It is used to sense misfeeds from the Input Tray and to start the time sequence for deenergizing the Feed Motor and energizing the Belt Motor. This sensor also is used to determine the document's transport run length. This is calculated by multiplying the length of time that the sensor is blocked by the transport speed of the DADF.



DADF Sensors - Document Handling Module

DADF Sensors (continued)

- Duplex Sensor - This is a reflective Optical Sensor in the inverter paper path the senses paper jams.
- Exit Sensor - This is a reflective Optical Sensor that is used to verify documents exit to the Output Tray, indicate paper jams, signal the DADF Control PWB to deenergize the Exit Motor and to energize the Set Gate Solenoid to raise the Set Gate.



See photos on next page.

DADF Sensors - Document Handling Module

DADF Sensors (continued)



Exit Sensor



Duplex Sensor