Manual Document Positioning

These events are performed whenever the user places a document on the platen manually.

1. The user opens the DADF and places a document original on the platen.
2. When the user lowers the DADF and presses start print the Exposure Lamp is lit and the CCD array detects the Fast-Scan (Y or Front-Back) dimension of the original.
3. The Exposure Lamp is shut off and the document original size is calculated. If the size is unrecognizable, the user is prompted to enter its size manually.
4. The user presses the Start key on the User Interface.
5. The FRC (Full Rate Carriage) moves to the White Reference Position and performs additional readings calculations necessary for White Reference Correction.
6. For magnifications between 97.2% and 400%, the FRC doesn't move; it is already at the appropriate Start Position. However, if the magnification is between 25% and 97.1%, the FRC moves leftward to a different Start Position. This permits the carriages more distance in which to accelerate.
7. The Lamp is lit and the FRC scans at a rate determined by the magnification for a distance determined by the document originals Slow-Scan dimension. While scanning, the document original is examined for color content.
8. The Lamp is shut off and the FRC returns to the White Reference Position.
9. If another scan is required, then either step 6 through 9 are repeated. Additional scans may be delayed by image processing PWBs until they are ready to receive scan data.

Next Page

Manual Document Positioning (continued)

10. The next steps depends on how long the job has taken to run.
    - If the time interval since the last AGC/AOC/Shading readings is less than a threshold value stored in the NVM, then the FRC moves rightward to the Home Position.
    - If the time interval since the last AGC/AOC/Shading reading exceeds the threshold, then the Xenon Lamp is lit for 2 seconds, and the Post-initialization Operations and Carriage Motions are repeated. At the end of these operations, the FRC goes to its Home Position.

RETURN TO PREVIOUS MENU