Fuser Belt Tracking System
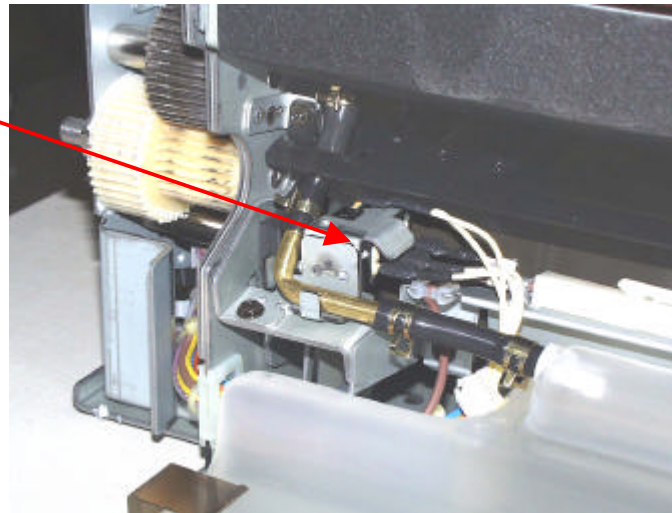
The Fuser Belt Tracking System monitors the position of the Fuser Belt. The Fuser Belt Position Sensor monitors the position of the belt and informs the control logic to switch on a reversible Belt Walk Motor to steer the belt back to the center position. The Fuser Belt Position Sensor contains four separate positions. Two positions that detect the inboard/outboard belt position and two positions that detect the inboard/outboard belt limits. When the belt causes the inboard or outboard belt positions to actuate, the control logic switches on the Belt Walk Motor and steers the Steering Roll up or down to bring the Fuser Belt back to the center track. If the belt steers too far outside the control range, the in/out belt limit positions in the Fuser Belt Position Sensor signals a hard fault, and causes a machine to shut down to prevents the belt from being damage.
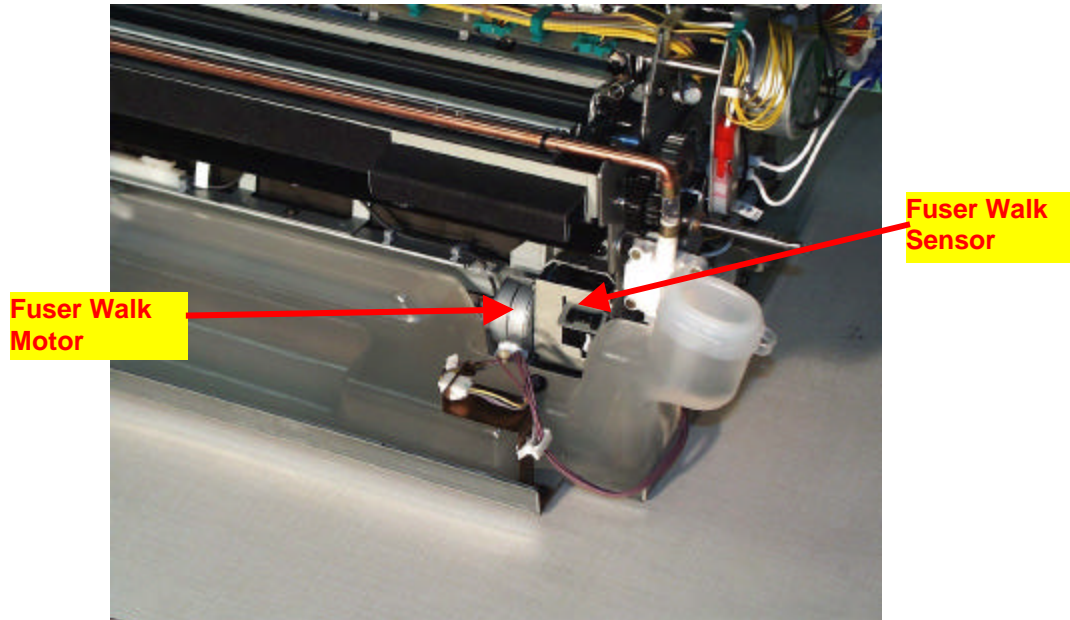
Fuser Belt Position Sensor

Fuser Belt Tracking System (continued)

The Fuser Walk Motor is a reversible motor that drives a mechanism the moves the Fuser Steering Roll. The walk motor pivots the Steering Roll up or down and steers the belt back to the center track. The Fuser Walk Sensor monitors the last position that the belt was steered to, inboard and outboard.

Fuser Belt Walk Motor