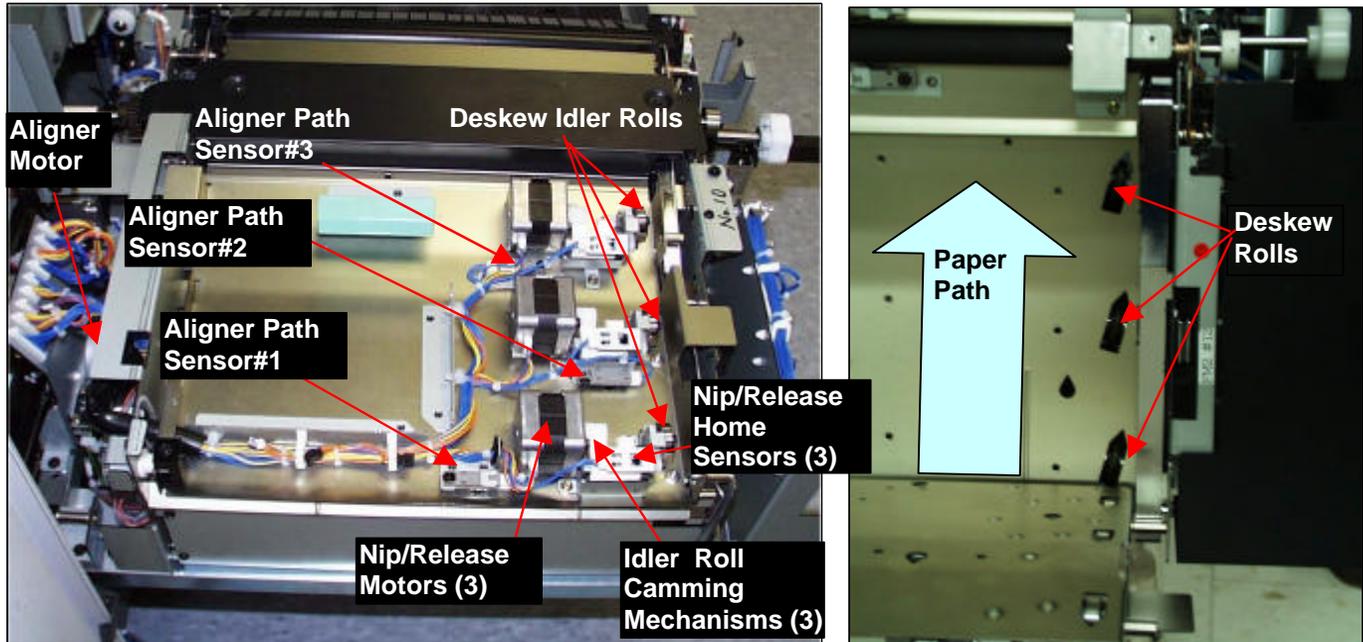


# Paper Transportation – IOT Module Transports

## Alignment Transport

The Alignment Transport has three Deskew Rolls, which register the paper against the outboard side edge of the transport while it moves the paper horizontally into the registration roll. The Aligner Motor provides mechanical drive to the three Deskew Rolls. Due to the variation in paper thickness, each Deskew Idler Roll has a motor driven camming mechanism to apply and release nip pressure on the paper. As the LE of the paper enters the next transport the idler roll nip pressure is released to allow the sheet to be moved to the correct registration position.

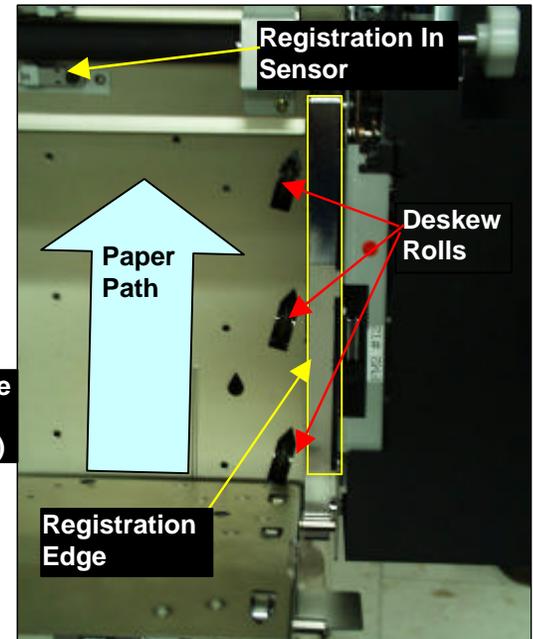
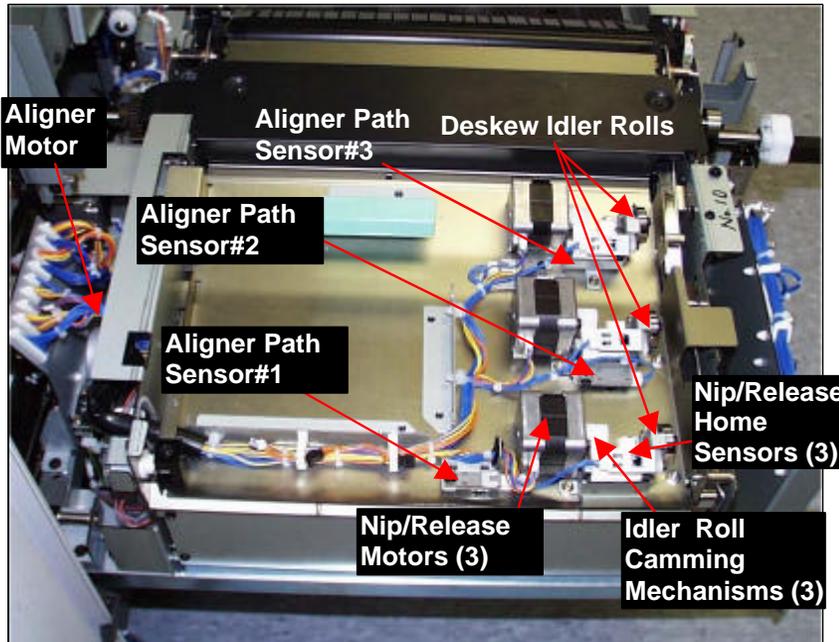


Alignment Transport

# Paper Transportation – IOT Module Transports

## Alignment Transport (continued)

As the lead edge of the paper enters the Alignment Transport it is sensed by the Aligner Path Sensor #1. This signals the control logic to release the last set of Nip Release Rollers in the J-Transport. The Nip/Release Motors set the Deskew Idler Roll nip pressure for the correct paper weight and the out board edge of the paper is moved to the Registration Edge by the Deskew Rolls. As the lead edge of the paper enters the Registration Roll, the Registration In Sensor signals the control logic to release the nip pressure on the Deskew Idler Rolls.



Alignment Transport