

Paper Transportation – IOT Module Transports

Inverter and Duplex Inverter Transport Components

The following table describes the function of the components in the Inverter Assembly and Inverter Duplex Transport.

Component	Description
*Fuser Exit Sensor	Supplies Inverter timing information. Supplies Inverter Gate Solenoid switching information. LE signals releases Fuser Exit Nip Release Solenoid. In invert Mode, LE signal triggers Inverter In Motor. TE signal activates Inverter Nip Release Solenoid. Used for Web cleaner advance count.
Exit Entrance Sensor	In Non-Invert Mode, LE signal releases Fuser Exit Nip Release Solenoid. In Invert Mode LE signal releases Inverter Roll #1 Pinch Release Solenoid. Supplies Inverter timing information. If paper is entering from the Inverter the LE actuate the Inverter Roll #1Pinch Release Solenoid to release drive.
Inverter Gate Solenoid	Lifts and lowers the Inverter Gate to divert paper to the Exit Transport or Inverter/Duplex Inverter Transports
Inverter In Motor	Provides drive to the Inverter In Rolls to move paper into the Inverter Transport.

* These components are part of the Fuser but effect Inverter operation.

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Inverter and Duplex Inverter Transport Components (continued)

Inverter Motor	Provides drive to Inverter Rolls #1 and #2 in both directions.
Inverter Roll #1	Provide drive to paper in both directions. A pinch released solenoid opens the rolls as paper is entering the next transport.
Inverter Roll #2	Provide drive to paper in both directions
Inverter Nip Release Solenoid	Activates Inverter Roll #1paper release mechanism.
Inverter End Sensor	Detects paper and jams within the Inverter paper path. In Invert Mode, LE signal reverses Inverter Motor. In Duplex Mode, LE activates Inverter Duplex Motor..
Inverter Duplex Motor	Reversible Motor provides drive to the Duplex Inverter Rolls #1 and the Duplex Inverter Rolls #2 in both directions. The Duplex Inverter Rolls move paper into the Inverter Chute and the Duplex Transports in the bottom of the IOT Module.
Inverter Duplex Path Sensor	Detects paper and jams within the Inverter paper path
Inverter Duplex End Sensor	Detects paper and jams within the Inverter Duplex Path. TE of paper signals Duplex Inverter Motor to reverse direction.

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Inverter and Duplex Inverter Transport Components (continued)

Inverter Duplex Roll #1	Provide drive to paper in both directions
Inverter Duplex Roll #2	Provide drive to paper in both directions
Inverter Duplex End Sensor	Detects paper and jams within the Inv. Dup. paper path. ON signals reverses direction of the Inverter Duplex Motor. Off signal Stops Inverter Dup. Motor
Inverter Duplex Path Sensor	Detects paper jams for paper leaving Inverter and Inverter Duplex Transport before entering the H-Transport