Liquid Lens Module Installation

The liquid lens module is an electronically controllable variable focus system.

1. Disconnect the DataMan reader from power.

2. Remove the front cover.

3. Place fingers as shown over the illumination LEDs and hold the reader tightly to prevent dislodging its internal components during the liquid lens installation procedure.

Set to 105 mm

Place fingers as shown over the illumination LEDs and hold the reader tightly to prevent dislodging its internal components during the liquid lens installation procedure.
Liquid Lens Module Installation

4 Grip the ring firmly and pull until it separates.

Retain the focus ring for future use.

Do not turn the lens with the focus ring removed.

5 Remove the supplied sleeves from the enclosed bag and insert them into the designated locations on the reader.

4 Insert the pins of the liquid lens module through the sleeves and into the DataMan reader.

6 Replace the front cover.

7 Tighten screws in order shown. Maximum torque for the cover screws is 9 N-cm (0.8 pound-inch).

Use the Focus Settings pane in the Setup Tool to configure the liquid lens for your production environment, which typically supports a reading range between 40mm - 250mm. Individual liquid lens modules may support a larger range. Contact your Cognex sales representative for details.

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