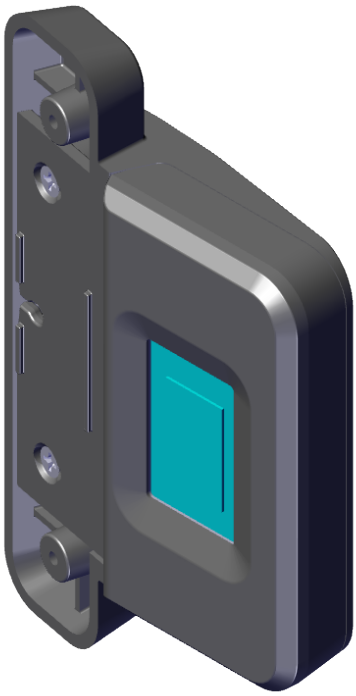
Kit Instructions

Capacitive Biometric Reader



5968-K154
Issue A

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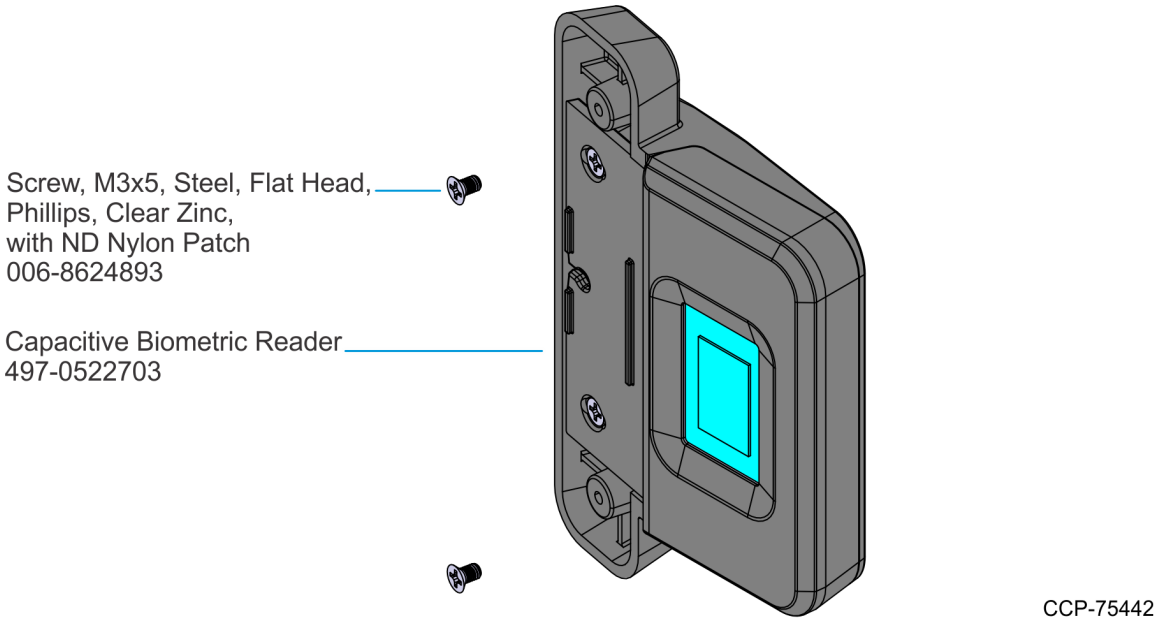
Revision Record

Issue	Date	Remarks
A	Jan 2019	First Issue

Capacitive Biometric Reader

This kit provides a Capacitive Biometric Reader for the 15" or 18.5" 5968 RealPOS X-Series Display.

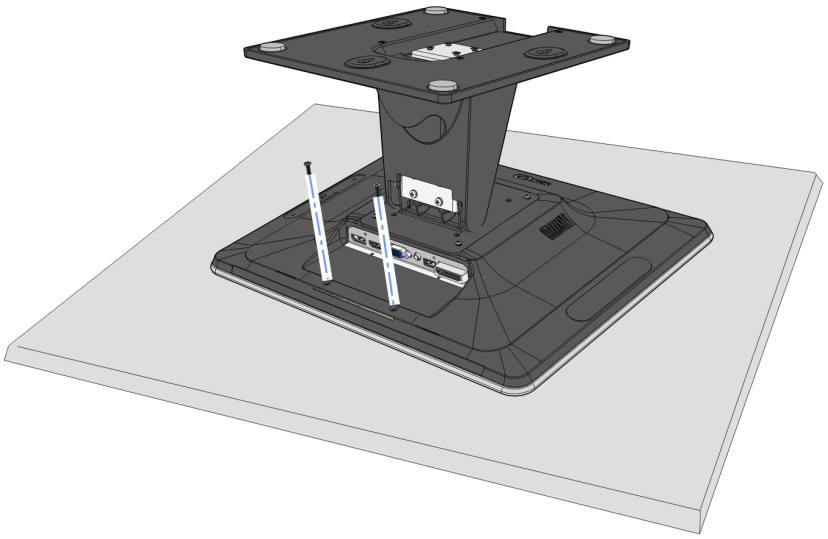
Kit Contents



Installation Procedure

1. Remove the screws (2) that secure the Stand and Rear Cover to the display.

Caution: Always use a soft material (cloth, foam) to protect the display screen when placing the terminal face down.



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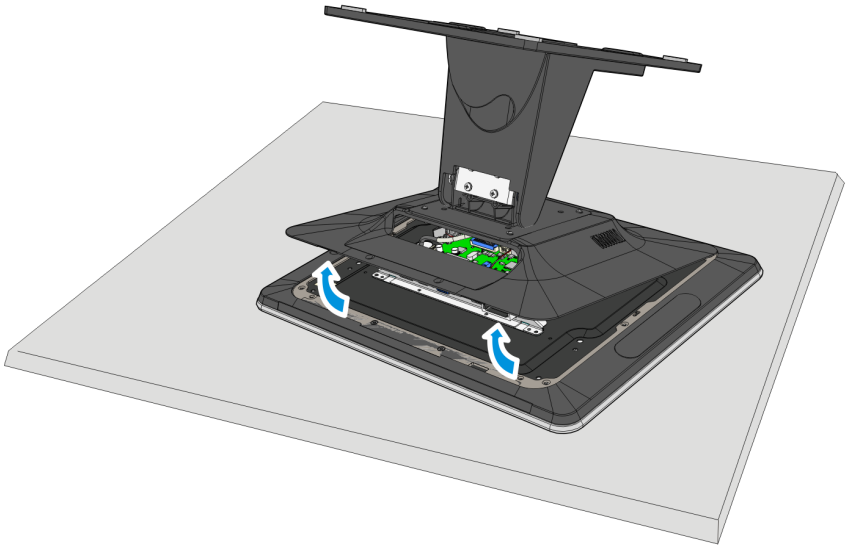
2. Pivot the Stand and Rear Cover assembly as shown to remove it.



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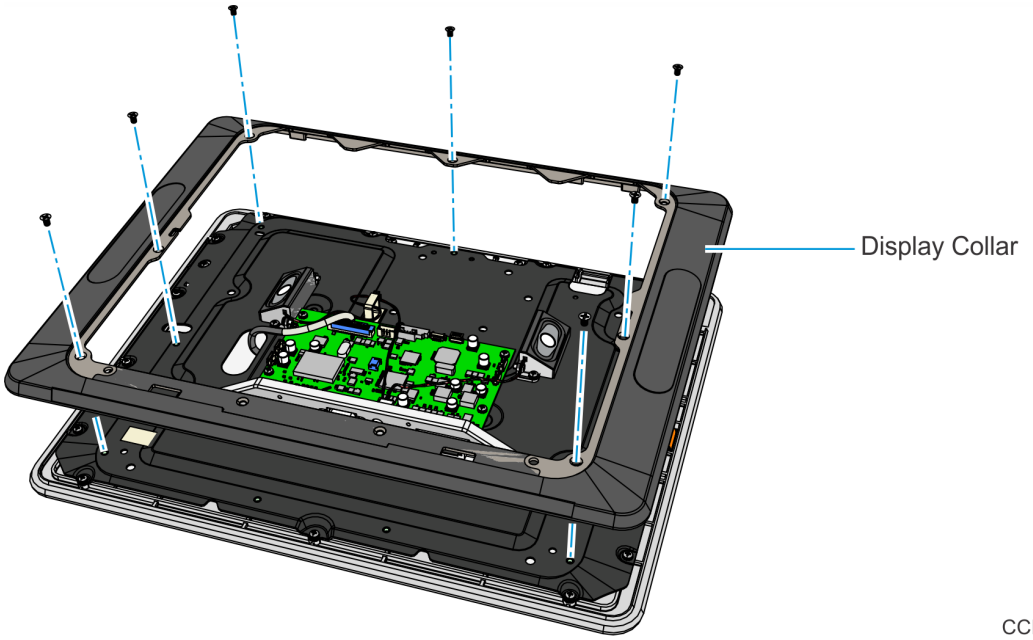
3. Remove the Display Collar (7 screws).



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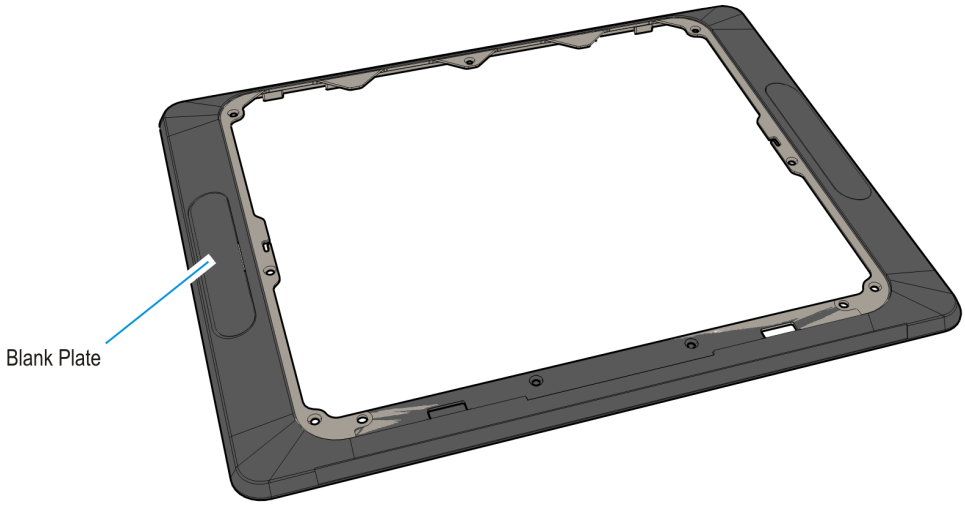
4. Remove the Blank Plate from Port A of the Display Collar. The plate is connected to the Display Collar with a strong adhesive. Use care when removing it to avoid damage to the Display Collar.



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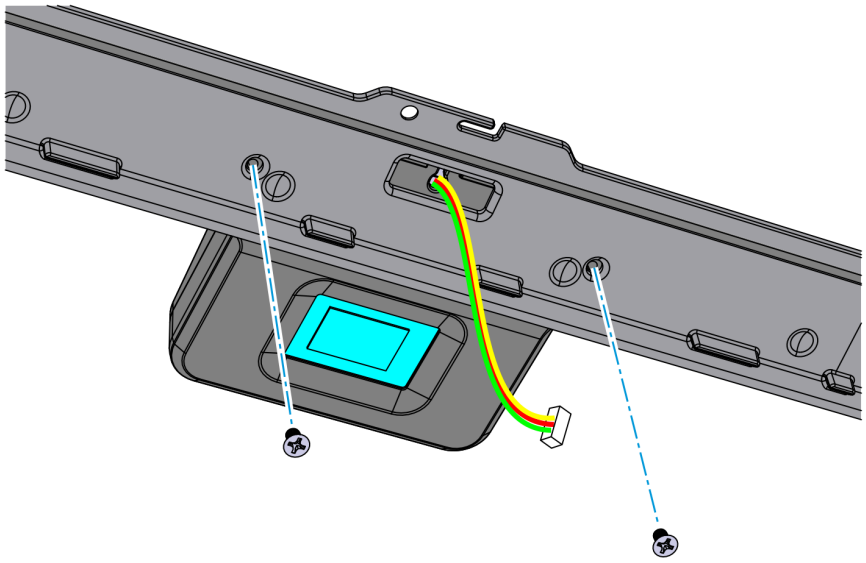
5. Mount the Capacitive Biometric Reader on the Display Collar.
   a. Route the Capacitive Biometric Reader Cable through the cable access of the Display Collar.
   b. Install the Capacitive Biometric Reader on the Display Collar (2 screws included in the kit).

Note: Do not overtighten the screws.



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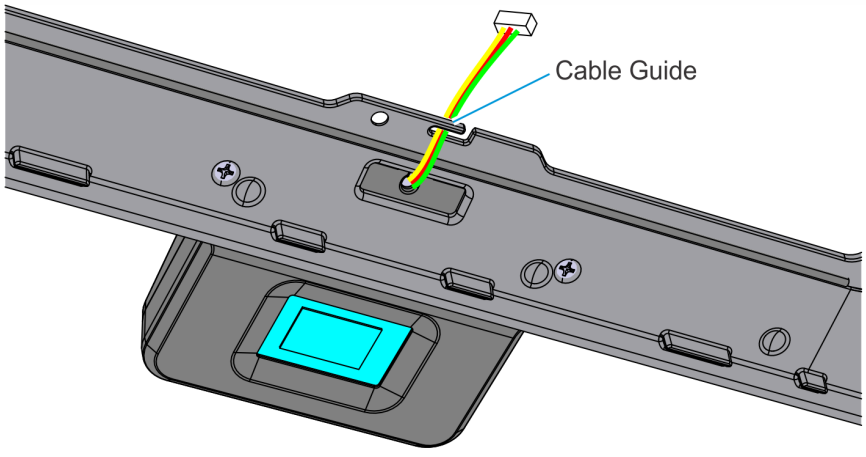
6. Route the Capacitive Biometric Reader Cable through the Cable Guide on the Display Collar.



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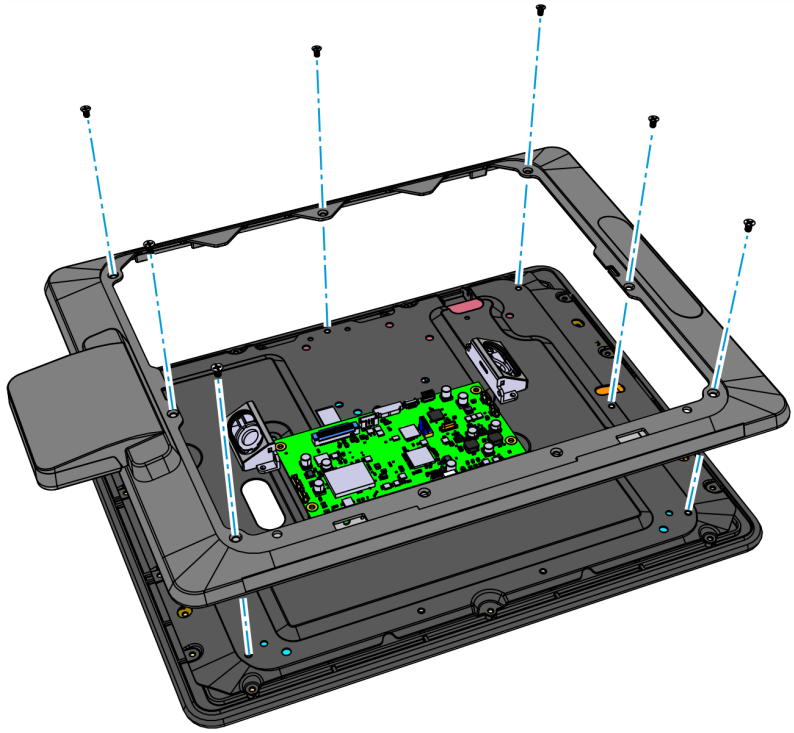
7. Install the Display Collar on the terminal (7 screws).



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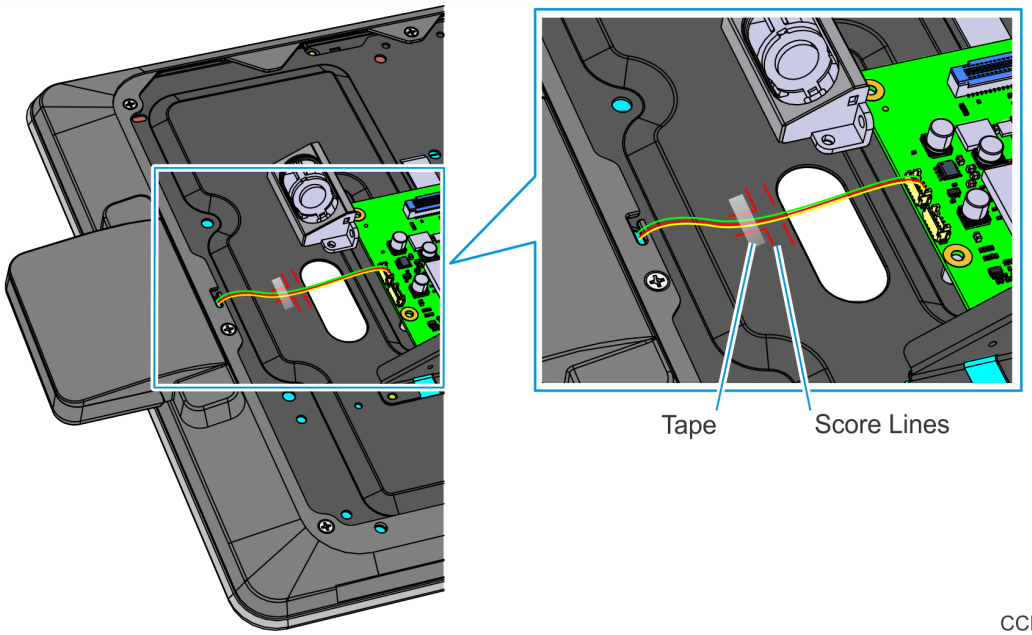
8. Connect the Capacitive Biometric Reader Cable to the Motherboard.
9. Tape the Capacitive Biometric Reader Cable to the Display Sled between the score lines as shown below. This locates the cable so it does not get pinched when the Rear Cover is installed.



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10. Reinstall the Rear Cover and Stand.

Cleaning and Using the Biometrics Reader

Sensor Cleaning Procedures

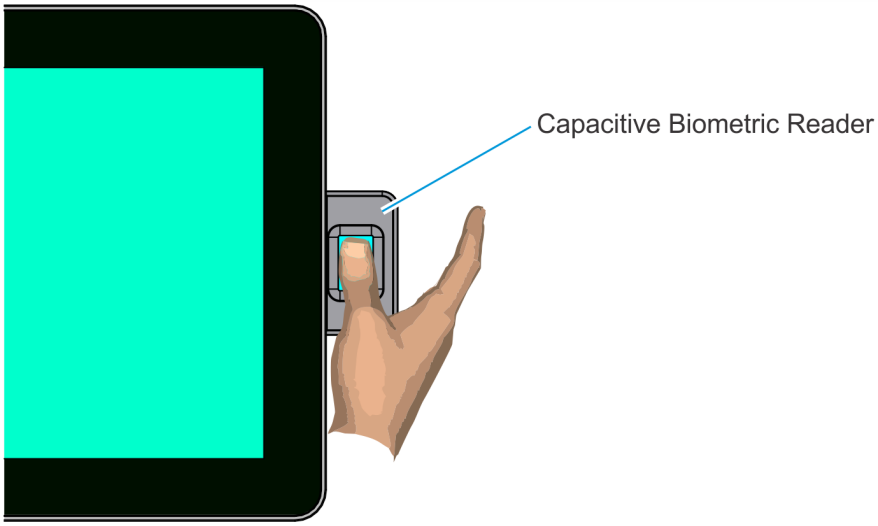
Daily Cleaning

Before each authentication, it is recommended that the user first clean the sensor. Place adhesive tape onto the sensor and then pull it off. This assures that residue from previous usage is removed.

⚠ **Caution:** Do not use abrasive materials to clean the sensor, including paper products. Only adhesive tape should be used.

Using the Biometrics Reader

Place thumb/finger flat and straight on the sensor. If this is not possible, try to place thumb/finger on the sensor in the same angle every time.



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Under normal usage conditions dirt, residue, oils, and other materials can collect on users' fingers. This can possibly cause poor collection of fingerprint data, which can cause performance degradation. For the best results, it is recommended that the user keeps their fingers relatively clean and free of residues that may alter the sensor performance.

Scotch tape can be used to clean fingers. Adhere the tape to the finger and then pull it off.

Software Drivers

The RealPOS Capacitive Biometrics Reader is a TouchChip TCET Silicon Module utilizing sensor TCETD1FG022. Please visit the Crossmatch website for drivers and application developer tools.

https://www.crossmatch.com/company/support/request/