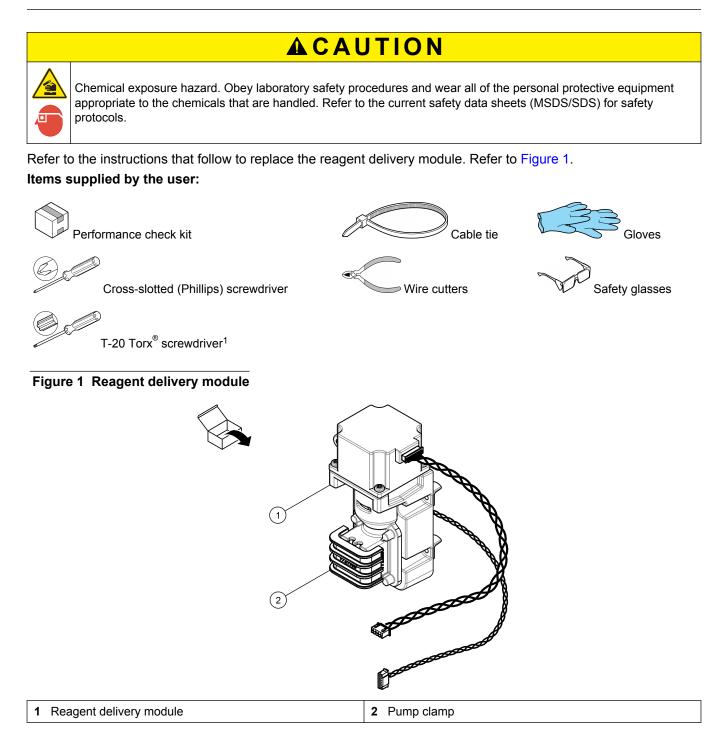
#### Instructions For Use—CM130 reagent delivery module replacement (9747400)



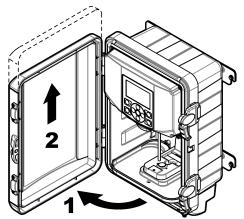
<sup>&</sup>lt;sup>1</sup> Torx is a trademark of Camcar Corporation, which is a division of Textron Industries.

#### Remove the door (optional)

# NOTICE

To keep the enclosure environmental rating, make sure to reinstall the door when this procedure is complete.

- 1. Open the door.
- 2. Lift the door to remove it from the hinges.



#### **Remove power**

# **A** DANGER

Multiple hazards. Only qualified personnel must conduct the tasks described in this section of the document.

# **A**DANGER

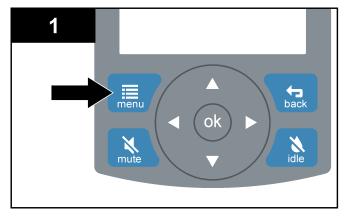


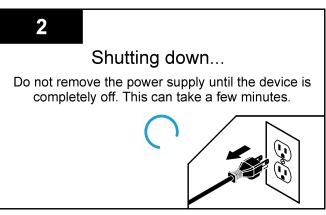
Electrocution hazard. Remove power from the instrument before this procedure is started.

- 1. Remove power from the analyzer as follows:
  - a. Push menu.
  - b. Select Power>shut down.
- 2. Wait for the analyzer to shut down. When the display is off, disconnect the power cord from the electrical outlet.

*Note:* For user safety, the analyzer will automatically go back to idle mode if the power cord is not disconnected in 5 minutes or less after the display goes off.

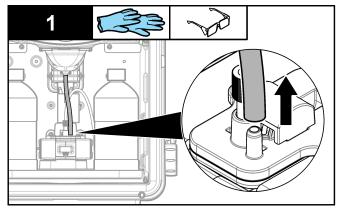
**Note:** When power is removed from the analyzer for more than 10 minutes, the hardware alarm is heard at the remote indicator for approximately 5 minutes.

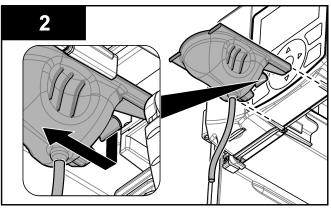




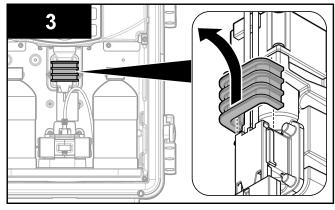
## Remove the reagent delivery module

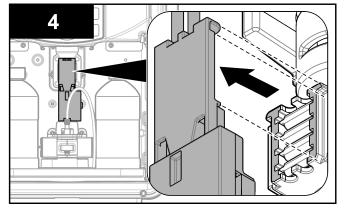
- 1. Disconnect the funnel tube from the colorimeter.
- 2. Remove the funnel. Pull down the tab that is on the back of the funnel to remove the funnel.



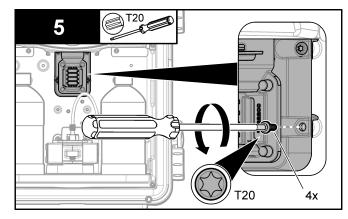


- 3. Remove the pump clamp from the reagent delivery board.
- 4. Remove the reagent delivery board from the reagent delivery module.



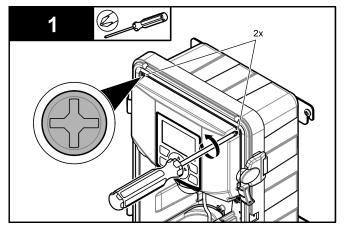


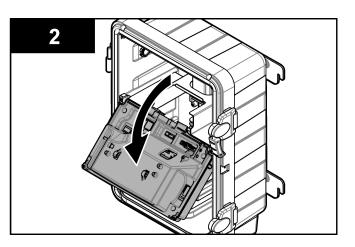
5. Use a T-20 Torx screwdriver to remove the four screws that attach the reagent delivery module to the back of the analyzer. Do not let the screws fall. Keep the screws for installation.



### Lower the front panel

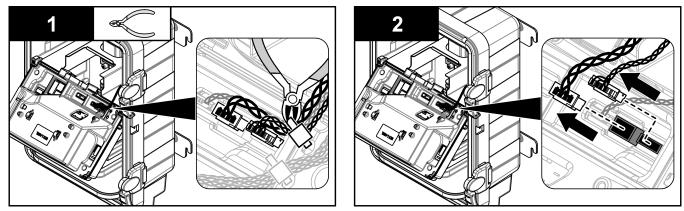
- 1. Loosen the two captive screws on the top corners of the front panel. Do not remove the screws.
- 2. Lower the front panel.



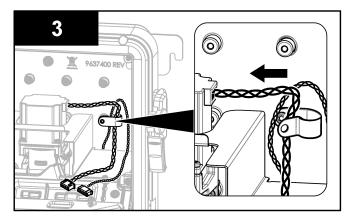


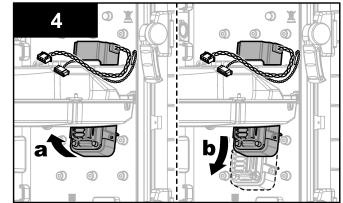
## Disconnect the reagent delivery module

- 1. Use wire cutters to cut and remove the top cable tie on the front panel.
- 2. Disconnect the two cables from the two connectors on the right side of the front panel.



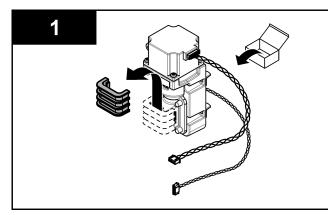
- **3.** Remove all of the cables from the top cable clamp at the back of the analyzer. Lift the cable clamp to remove the cables.
- 4. Remove the reagent delivery module from the analyzer as follows:
  - a. Pull the bottom of the reagent delivery module forward.
  - b. Lower the reagent delivery module to remove it fully from the analyzer.

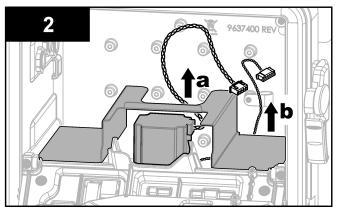




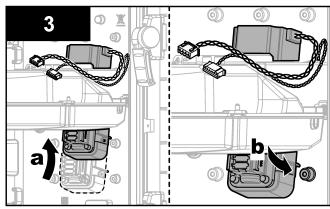
## Connect the new reagent delivery module

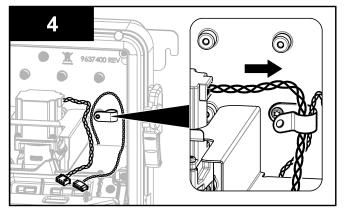
- 1. Remove the pump clamp from the new reagent delivery module.
- 2. Put the cables of the reagent delivery module through the bulkhead panel as follows:
  - **a.** Put the top cable of the reagent delivery module through the opening for the reagent delivery module that is in the bulkhead panel.
  - **b.** Put the bottom cable of the reagent delivery module through the space between the bulkhead panel and the back of the analyzer.





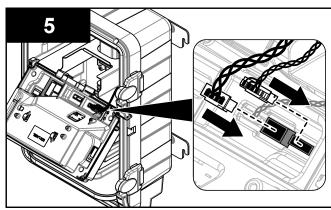
- 3. Hang the reagent delivery module on the back of the analyzer as follows:
  - a. Put the top of the reagent delivery module through the opening for the reagent delivery module.
  - **b.** Hang the reagent delivery module on the round, mounting protrusions on the back of the analyzer.
- 4. Put the two cables of the reagent delivery module and the other loose cables back into the top cable clamp on the back of the analyzer.

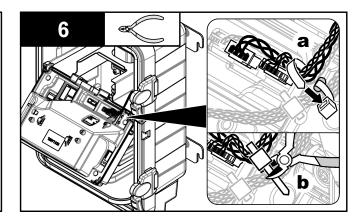




- 5. Connect the two cables of the reagent delivery module to the two connectors on the right side of the front panel.
- 6. Attach the loose cables to the front panel as follows:
  - **a.** Put a cable tie through the cutout in the front panel. Put the loose cables that connect to the front panel in the cable tie.
  - **b.** Tighten the cable tie. Cut the cable tie to remove the unwanted length.

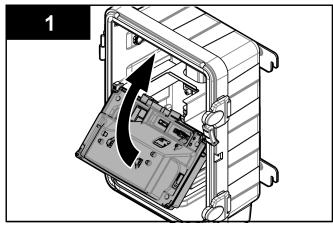
Note: The cable tie keeps the cables connected.

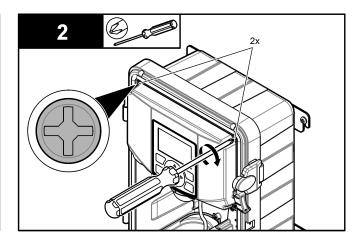




## **Close the front panel**

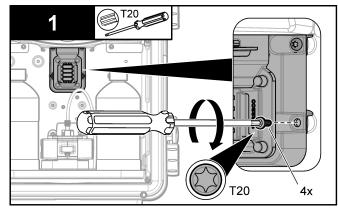
- 1. Lift the front panel.
- 2. Tighten the screws to keep the front panel up.



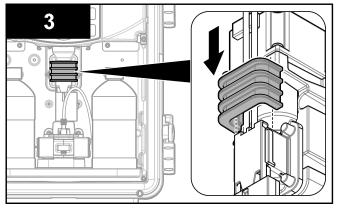


#### Install the new reagent delivery module

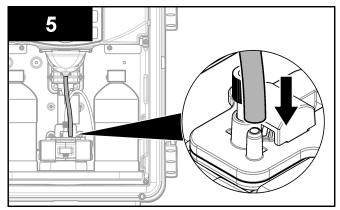
- 1. Use a T-20 Torx screwdriver to install the four screws that attach the reagent delivery module to the back of the analyzer.
- 2. Install the reagent delivery board on the reagent delivery module.

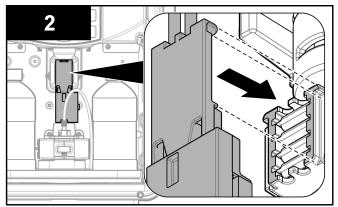


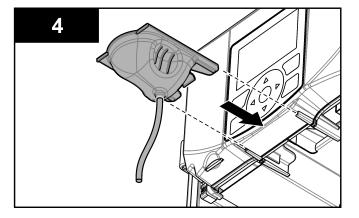
- 3. Install the pump clamp on the reagent delivery board.
- 4. Install the funnel.



5. Connect the funnel tube to the colorimeter.

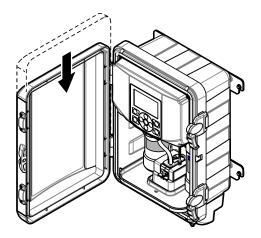






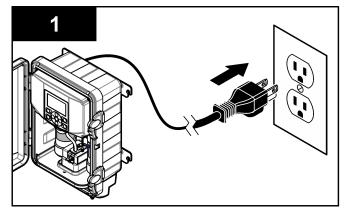
#### Install the door

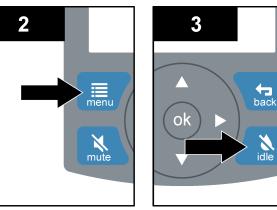
Install the door on the hinges.



#### Start the analyzer

- 1. Connect the power cord to the electrical outlet.
- 2. Do a performance test as follows:
  - **a.** Wait for the home screen to show on the display (approximately 2 minutes). The home screen has the word "Idle".
  - b. Push menu. Select Maintenance>Performance test.
  - c. Complete the steps that show on the display.
- 3. Push idle and select continue to set the analyzer to measurement mode. Close the door.





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