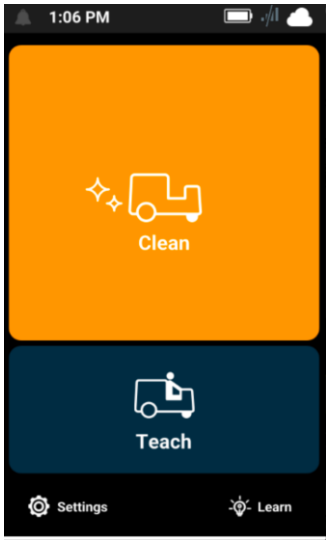
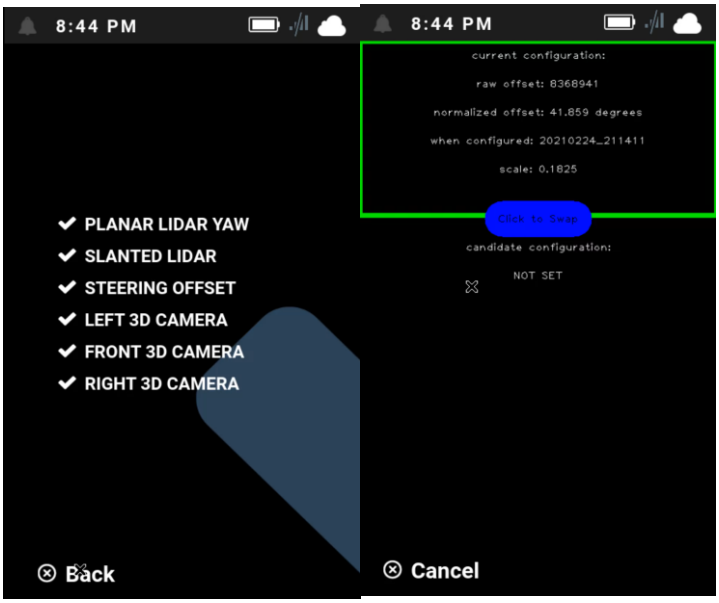
IMPORTANT: This is a REQUIRED procedure, to be performed after any steering component change.

This calibration verifies that the steering is properly aligned. (Settings→Service→Service Pin→Calibration→Steering offset→Click to swap)

1. Go to the Home Screen > Teach Route. If you are still in the Factory Settings menu, you will need to key the machine off and back on.



2. Train a 5-minute route with minimal stopping. Be sure to teach a route that goes straight and has left turns, right turns, and u-turns.
3. Go back to the **Service** menu.
4. Select **Calibration** > **Steering Offset**.



Calibration > Steering Offset option

The machine displays two configurations: current and candidate.

- The top configuration is the current configuration, which is what the machine is using at the moment.
- The bottom configuration is the candidate configuration, which is associated with the new route that was just trained above.

NOTE: If the candidate configuration is not displayed on the screen, train a new route that is at least 5 minutes.

IMPORTANT: Take a photo of the canidate configuration BEOFRE you click 'swap' so you can confirm they were swapped.

5. Press the middle of the screen to swap the candidate and current configuration. Moving the new configuration to the top ensures that the latest (candidate) calibration is being used.
6. Key the unit off wait for the BCM fan to stop running and turn it back on.
7. Go back to the **Service** menu.
8. Select **Calibration** > **Steering Offset**.
9. Verify that the new “current configuration” is the one that was just created. If the configuration is different, take a picture and note this in the case.
10. Run the saved route. When running the route, perform the following substeps:
    a. Walk to the front of the machine to make sure it slows down upon approach before stopping.
    b. Walk up to the machine from each side and make sure the machine stops
    c. Place a stationary obstacle in the machine's route to make sure it goes around the obstacle
    d. Observe the machine to verify the following:
        - Steering is controlled as expected
        - The robot drives straight does not drift to one side or snake back and forth
        - The robot navigates around obstacles as expected
        - The robot does not have any unexpected path blocked assists
        - There are no steering related faults
        - The turn signals are working properly
    e. Pause and start the machine using the Start/Pause button.
    f. Take a picture of the “Route Complete” or “Route History” screen