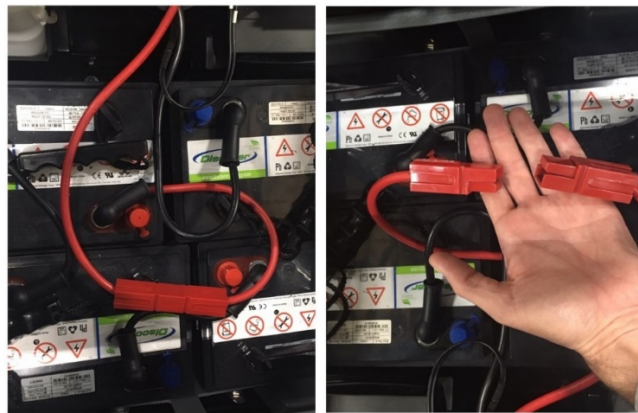


Replacing the Lower (Planar) LIDAR

The Lower LIDAR is one of five sensors responsible for autonomous navigation. Once replaced, it must be calibrated.

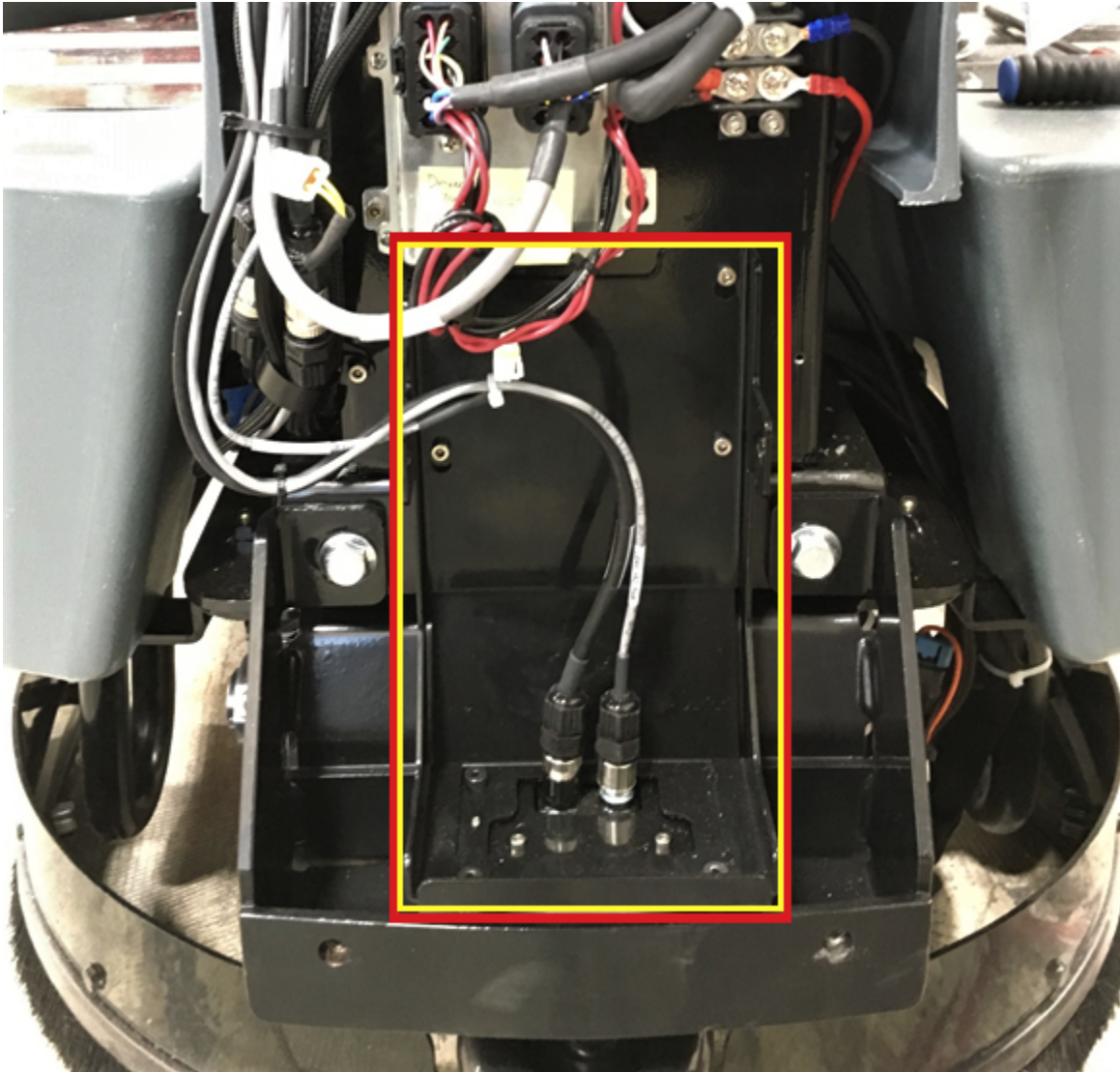
Turn off the unit and disconnect the red battery coupling



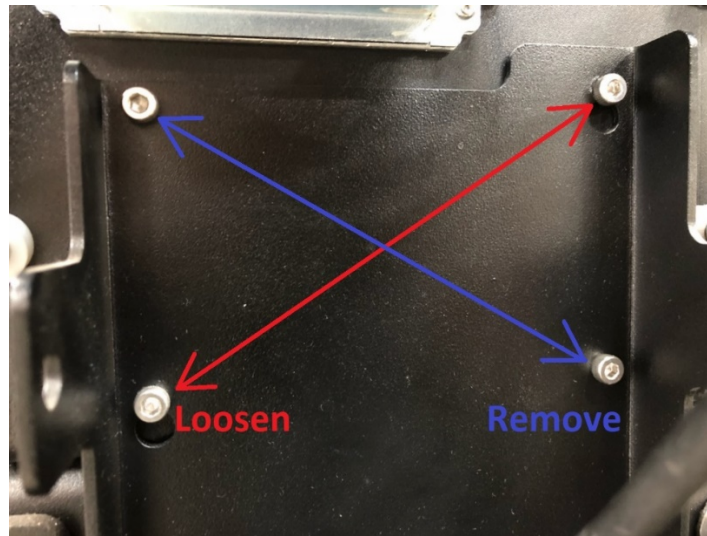
Remove the twelve screws indicated below, then remove the front cover and place it to the side.



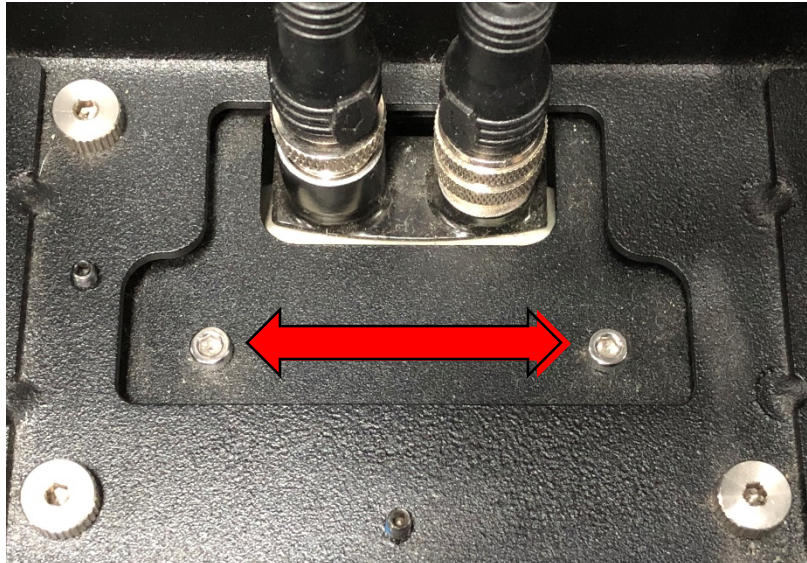
Unscrewing the two silver ends, disconnect the two connectors that engage the LIDAR.



Loosen/Remove the screws indicated in the photo below. The entire bracket/LIDAR assembly may now be lifted up and out.



Remove the two screws to free the LIDAR sensor



NOTE: If you are unable to fasten the screw all the way when replacing the LIDAR, that means that the two holes for the screws might not have been tapped deep enough. You can add a washer to help fill the void.

Use care when handling the LIDAR sensor. It must not be scratched or damaged when reinstalling it onto the bracket or the scrubber unit. Avoid handling it by the lens.

If available, use a couple drops of blue Loctite thread lock on the screws that directly secure the LIDAR sensor.

Please ensure to return the old Lower (Planar) LIDAR and Calibration Kit back to Brain using the provided return shipping label. Thank you!