

Replacing the Drive Wheel

You will need the following tools:

1. Jack
2. Multiple wooden blocks
3. Ratcheting box end wrench



4. #2 Philips screwdriver
5. 5mm hex key (allen wrench)
6. 13mm socket wrench

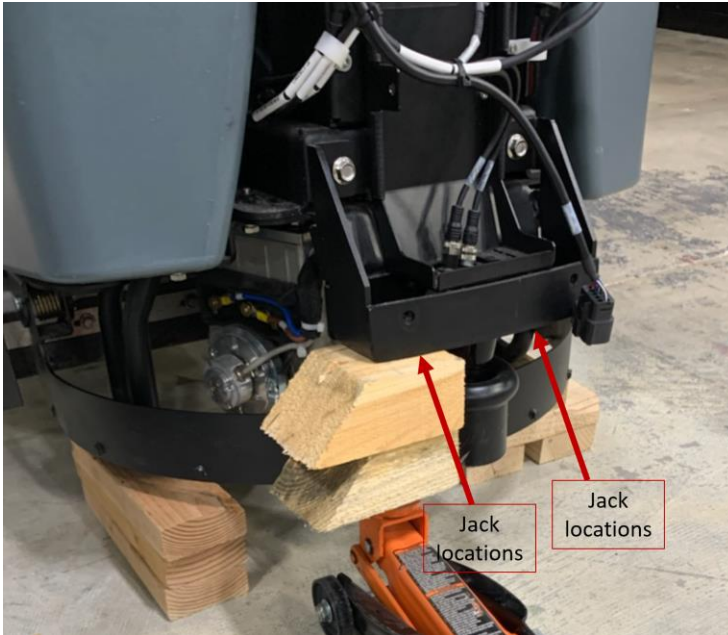
You may need these tools

1. Wire Strippers
2. Wire Crimpers
3. 16-14 Gauge waterproof butt splice
4. Electrical tape

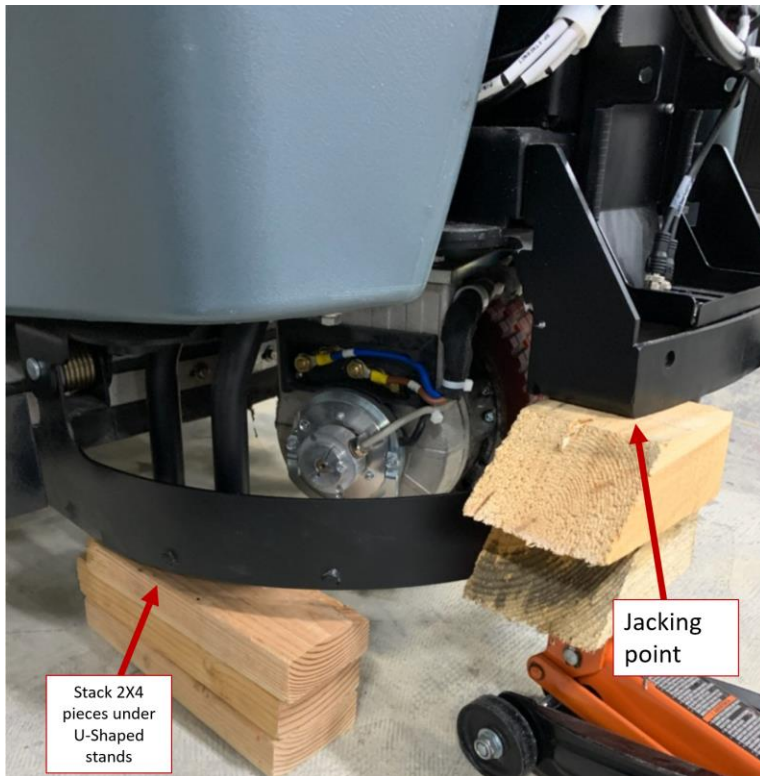
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Replacment Procedure

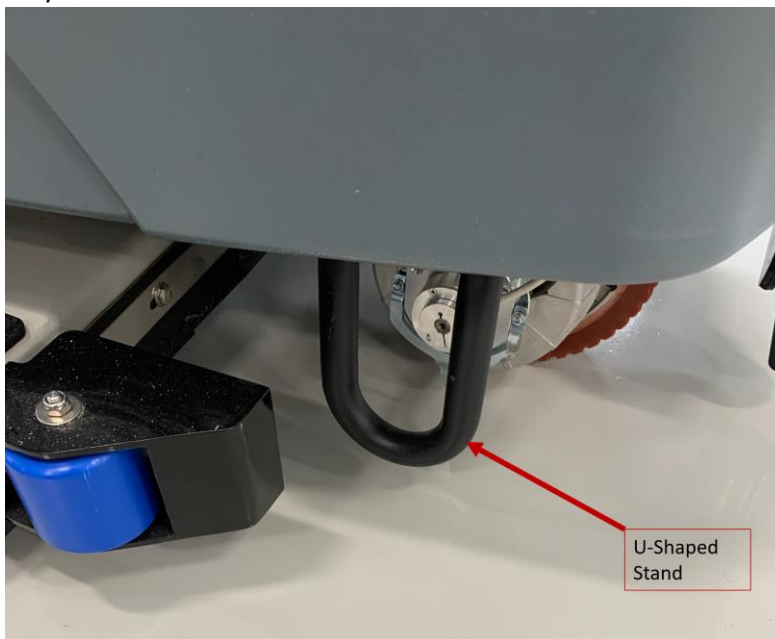
1. Move the scrubber to an area where you have unimpeded access to front and rear.
2. Chock the rear wheels, (when you lift the front off the ground the machine will try to roll backwards)
3. Disconnect the batteries using the quick disconnect.
4. Jack machine up using the metal bracket beside the lidar. See picture



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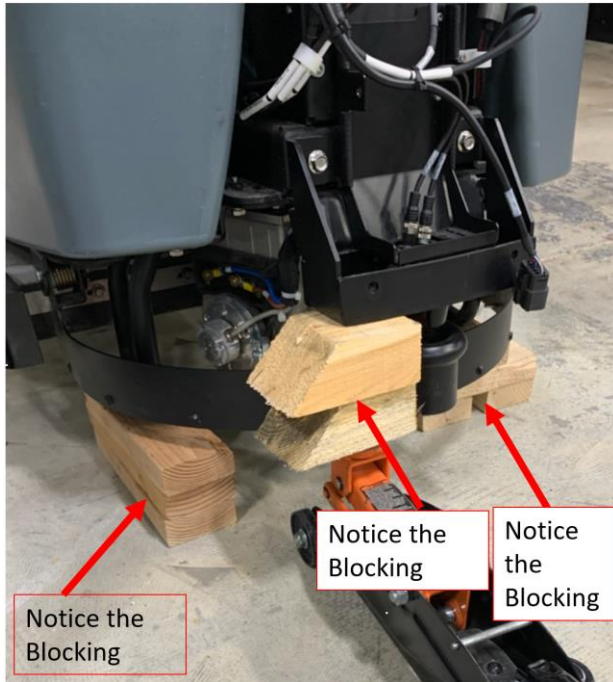


5. Use blocks under the U Shaped stands. Here the skirt has been removed for easier viewing. You may also wish to remove the skirt.

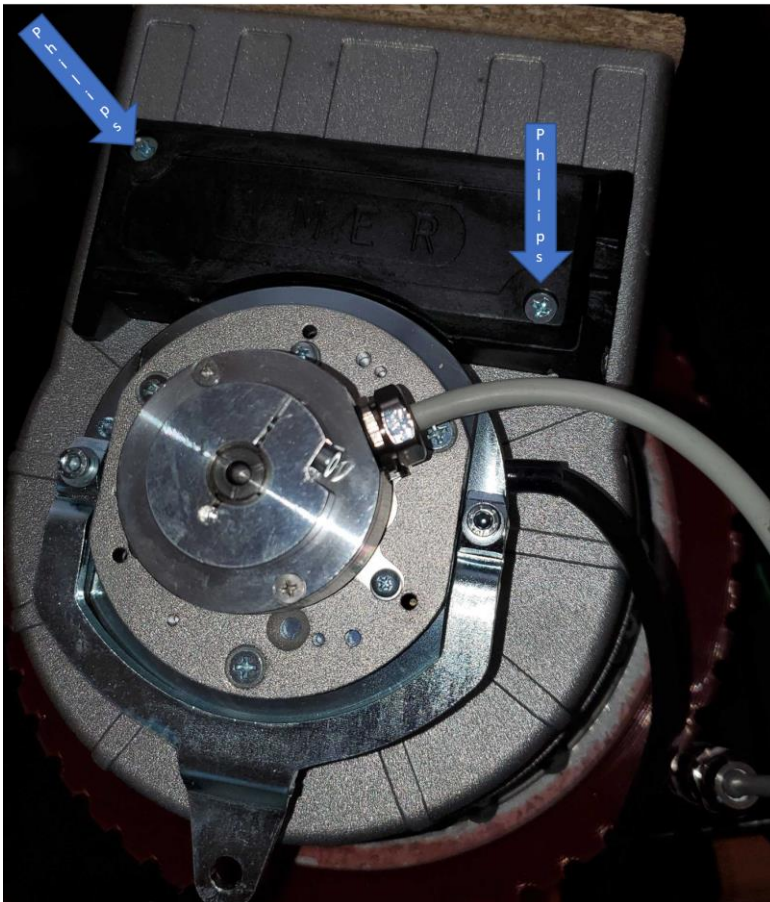


6. You may have to add more blocks to your jack to get the machine high enough. But remember to always add blocks under the U Shaped Stands
7. Once you have the machine up high enough to remove the wheel then make sure you have enough blocks under the U stands to hold the machine up without resting on the skirt frame.

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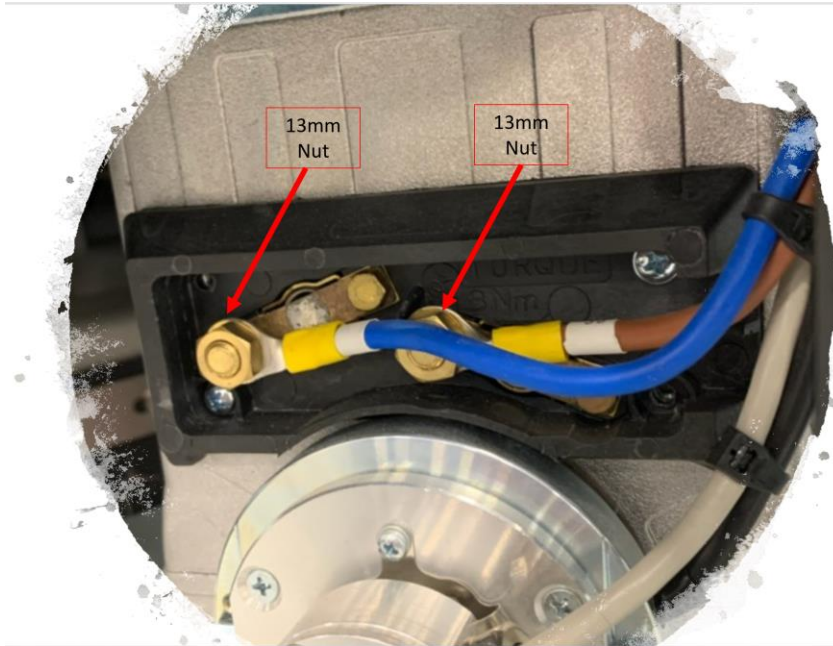


8. Using the #2 Philips screwdriver remove the two Philips screws on the black cover.



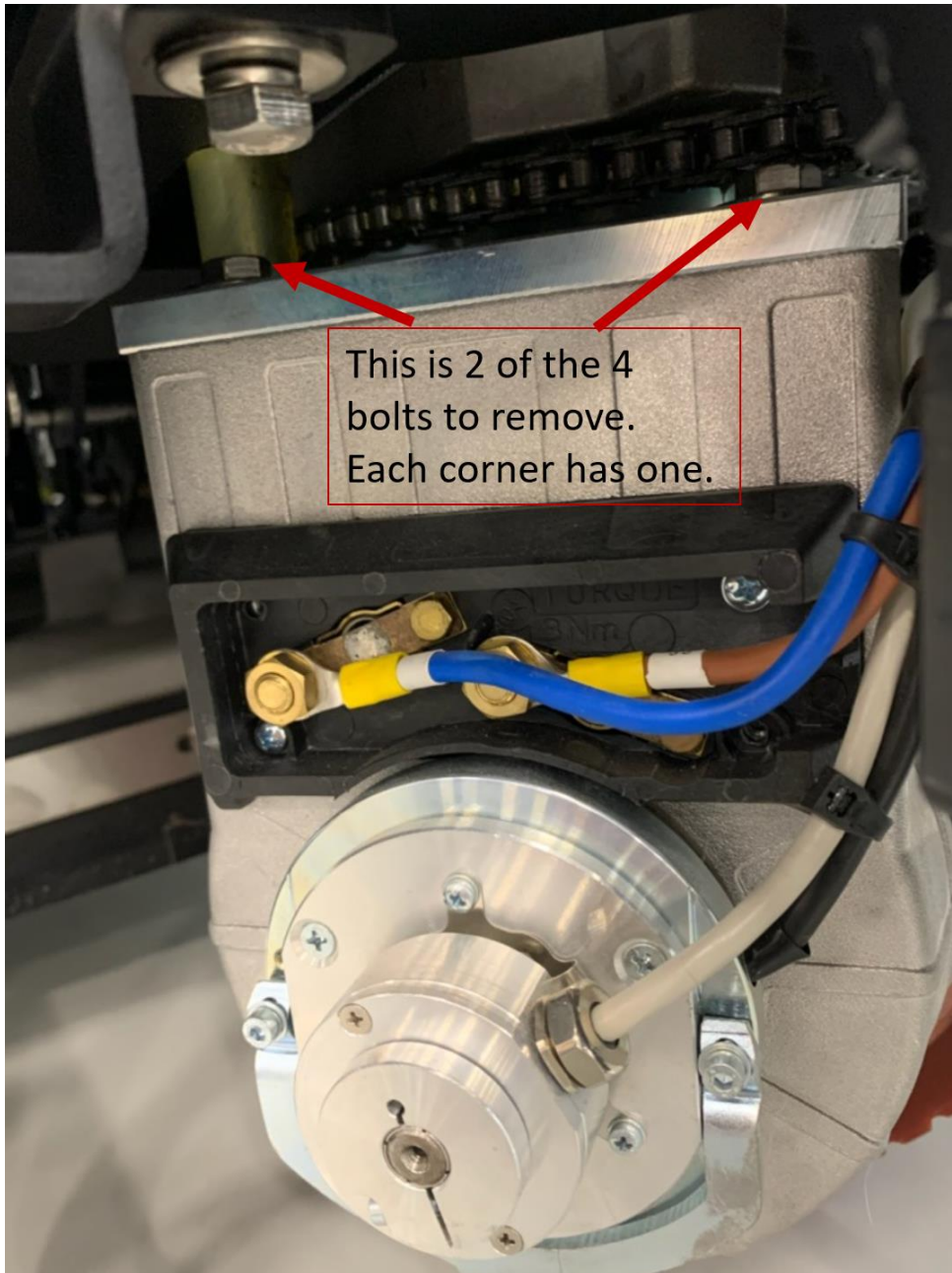
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9. Using a 13mm socket, remove these two nuts holding the power cables for the drive wheel. Remember which goes where.



10. Locate the 4 bolts on top of the drive wheel. Remove those with a ratcheting box wrench. Picture below shows the location of one. There is 1 bolt on each corner. (I don't remember the size)

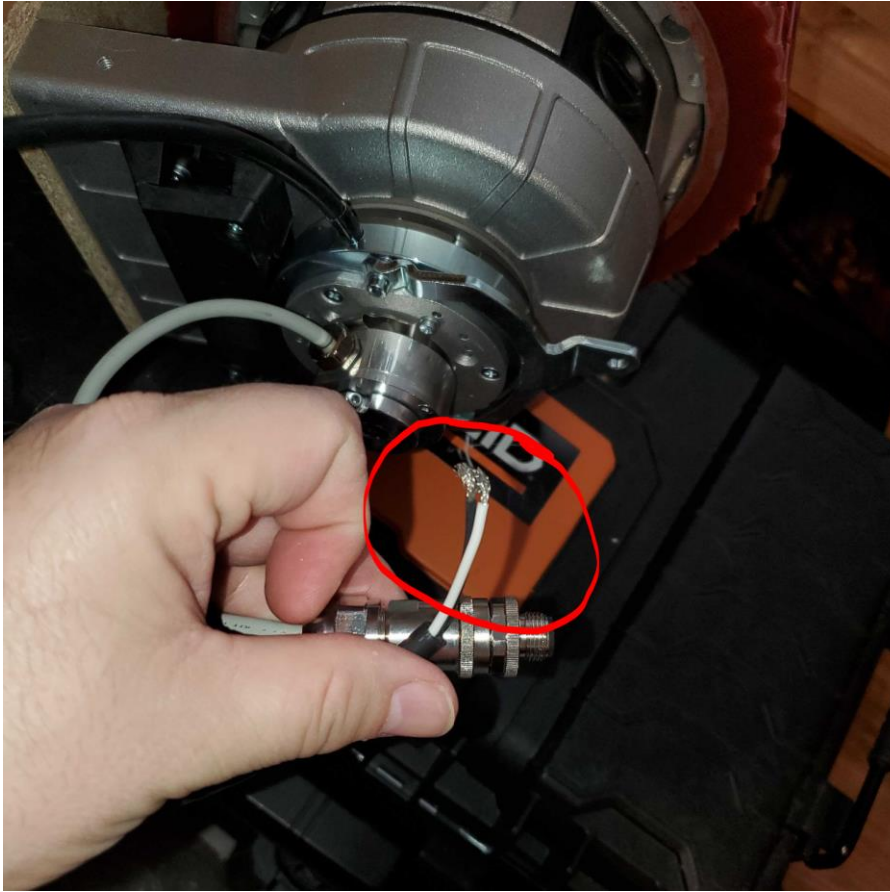
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- 11. Cut the overbraid fabric off of the wires
- 12. Remove the old drive wheel
- 13. Reverse steps to put drive wheel back on.

- 14. Cabling to the new brake may or may not have the plug. If you can replace the plug then do so. Otherwise use a butt splice.

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15. Lower scrubber very carefully.
16. Teach and run 2 five minute routes.

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Drive wheel breakdown

