

## Steering U Joint Replacement

### Parts required for this service:

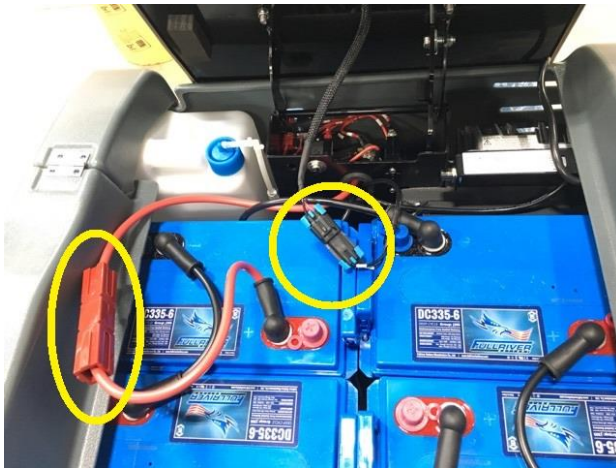
2.5 mm hex

5 mm hex

Replacement U-joint

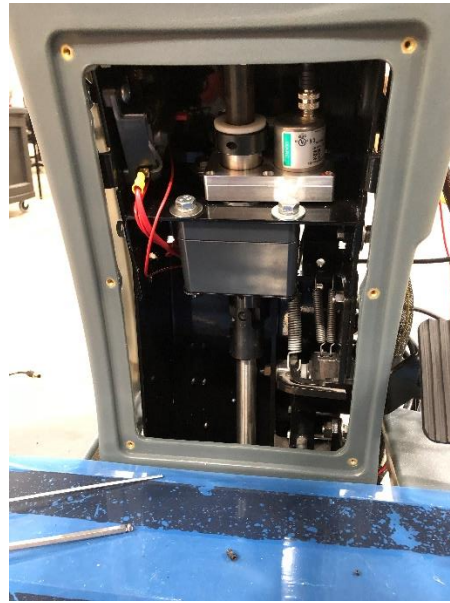
3 mm hex (optional)

Turn the key to power off the scrubber. Raise the seat and disconnect the red battery coupling and the seat sensor connection.

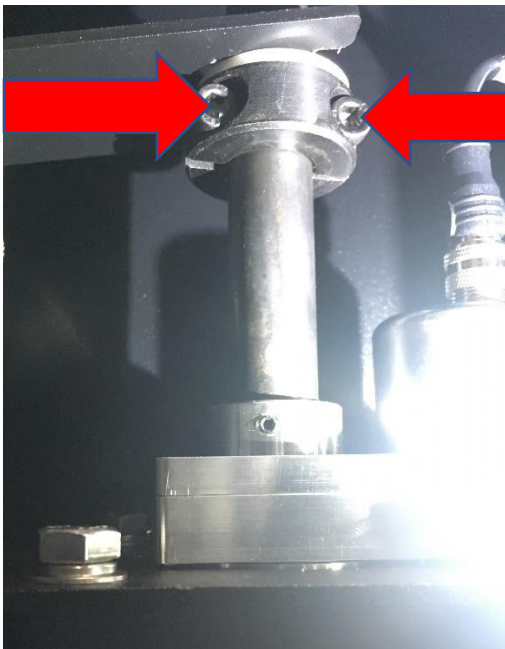


Make sure the front wheel is oriented straight ahead. This will be our point of reference.

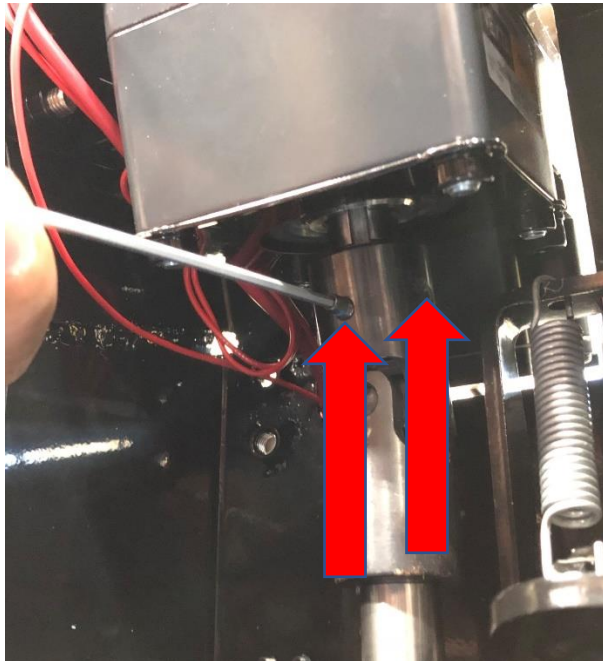
Remove the access panel to access the Steering Column



Loosen the collar (2 hex screws) and slide it down



Remove the two set screws indicated below, then pull the steering wheel straight up.

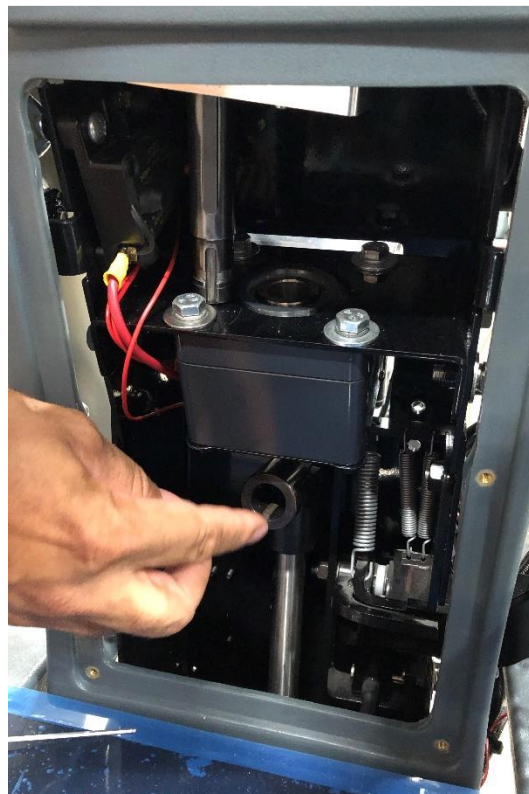
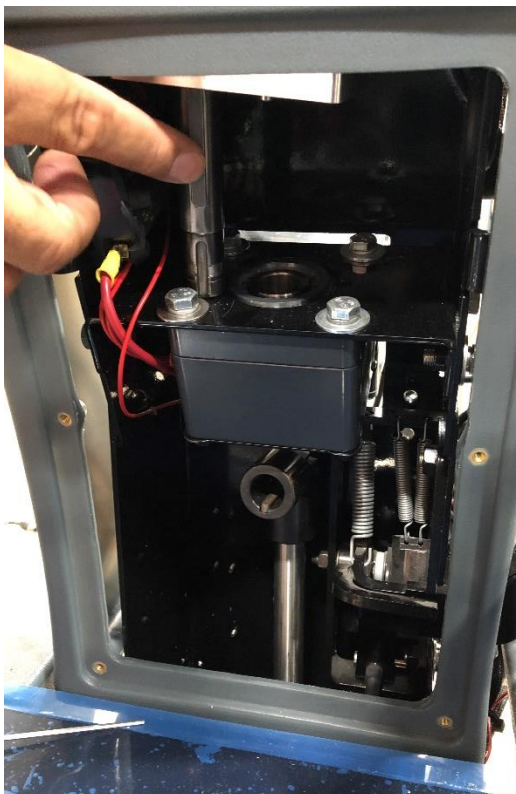


Remove the set screws from the bottom of the U joint so the component can be removed from the shaft.

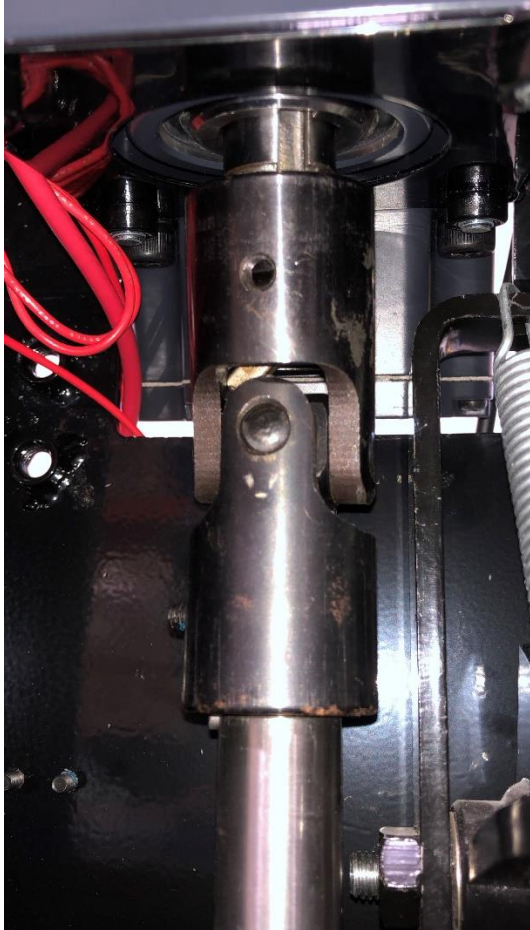


The replacement U joint can be installed either way, as long as the keys match up.

The shaft, U joint and keys should be configured to resemble the images below. See end of document for a high res image.



Push the steering wheel down to move the shaft into place. It should move through the drive motor and lock into the U joint below. Make sure the keys all line up and the wheel is pushed all the way down before re-securing the four set screws. Raise the collar back up and tighten the hex screws.



Verify that the wheel is straight and the logo on the steering wheel lines up properly. If the wheel is straight and the steering wheel logo is misaligned, the steering wheel may be removed and repositioned.



To do this, use a 3 mm hex to remove the three screws that reside on the underside of the steering wheel.

**DO NOT** remove the phillips screws



Use a 7/8 socket wrench to remove the nylon nut and washer that secures the steering wheel. Wiggle the steering wheel back and forth and pull up to remove. Once freed, realign and reassemble.



Reconnect the red battery coupling. Turn the key to power on the unit to ensure proper start up and system operation.

A steering calibration must be completed after a U-Joint replacement.

