

**SERVICE BULLETIN NO. 0105**

**DATE:** November 16<sup>th</sup> 2023

**SUBJECT:** Battery Scrubber Common Faults and Resolutions

<b>Models Affected:</b>	<b>Serial Numbers Affected:</b>
All Battery Floor Scrubbers	All Serial Numbers

**Electrical**

- No Power to Hour Meter or Machine:
  - All Machines are delivered with the battery disconnected. Check that all wires in the battery compartment are connected.
  - Check fuses and circuit breakers.
  - Check function of other electronics on machine
- Error Codes:
  - The Error Code List is accessible on the operators manual and Support Page
    - A15 - Electromagnetic brake is engaged; release lever behind drive wheels
    - A20 -Accelerator problem; insure drive engagement trigger or foot pedal is in neutral position and restart machine
- Operation Function:
  - Drive Motor
    - Most common problem is the engagement of the electronic brake. This device is used to keep the machine stable on uneven surfaces. Each machine has a mechanical release that allows the machine to roll unimpeded. The yellow tab located behind the wheel on the transaxles releases the brake on the DX26/32 and RX20.
  - Brush Motor
    - Be sure all wires are connected and no signs of burning, melting or fraying.
    - Check that the 24V relay is functioning properly
    - Lastly review the toggle switch and the key switch
  - Vacuum Motor
    - Check that suction hoses are tightly connected and that shut off ball is not engaged
    - Be sure all wires are connected and no signs of burning, melting or fraying.
    - Next check that the 24V relay is functioning properly
    - Lastly review the micro-switch, toggle switch and the key switch

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### Water/ Solution Dispensing

- No Water Dispensing:
  - All machines have flow control valves that range from full open to full close. Ensure valve is open.
  - Check to see if the control valve, water filter, fittings or hoses are clogged with debris.
  - Check if the water shut off solenoid is receiving voltage and opening properly when directed. You should be able to hear an audible click when the solenoid valve opens.
- Inconsistent Water distribution:
  - Check hoses for debris clogging the outlet
- Too many bubbles:
  - Use antifoaming chemical
- Problems Draining Recovery Tank:
  - Clean recovery tank and drain hose to clear debris.
- Bad Smell
  - Regular rinsing and cleaning of recovery tank is required to prevent foul smells from enveloping the machine.
  - Sometimes a chemical detergent is required remove lingering smell.