Problem: Drive will not rotate.

- **Upper line on cab console’s LCD?**
  - **NO**
    - Make sure cab console is on.
    - Check 1A and 10A fuses.
    - Replace cab console.
  - **YES**
    - Use diagnostic kit part #27857 to check power from cab console.
    - Power from cab console o.k.?
      - **NO**
        - Replace power/com cable.
      - **YES**
        - Use diagnostic kit part #27859 to check continuity through power/com cable (FOLLOW INSTRUCTIONS TO PREVENT DAMAGE).

- **Lower line on cab console’s LCD?**
  - **NO**
    - Use diagnostic kit part #27857 to check output from relay inside external controller. Replace external controller if test fails.
    - Check tractor hydraulics.
    - Check 1A and 10A fuses.
    - Power from cab console o.k.?
      - **NO**
        - Replace external controller chip (Veris Service)
        - If new chip doesn’t fix problem, replace external controller (Veris Service)
      - **YES**
        - Power solenoid directly? (FOLLOW TROUBLESHOOTING INSTRUCTIONS OR SERIOUS INJURY MAY OCCUR).
          - **NO**
            - Check for excessive torque.
          - **YES**
            - Drive rotates when solenoid powered directly?
              - **NO**
                - Check solenoid coil, cable, and connections.
              - **YES**
                - Use diagnostic kit part #27857 to check output from relay inside external controller. Replace external controller if test fails.

- **YES**
  - Drive rotates during calibration?
    - **NO**
      - Disconnect Hall effect sensor and replace with diagnostic kit part #27858 (speed simulator). Depress speed cutoff switch Replace sensor if speed appears on LCD.
    - **YES**
      - Connect Hall effect module to external controller. Replace speed sensor harness if speed appears on LCD.
      - If speed doesn’t appear on LCD, disconnect speed sensor harness from Hall effect module and replace with speed simulator. Remove speed jumper wire located between Hall effect module and external controller. Replace speed sensor harness if speed appears on LCD.
      - If speed never appears on the LCD with the simulator, replace chip in external controller and repeat speed simulator test (Veris Service).
      - If replacing the chip does not fix problem, replace external controller and repeat speed simulator test (Veris Service).